Georgia Power

Grumman Road Private Industrial Landfill

Port Wentworth, Georgia

PERMIT #: 025-061D(LI)

Chatham County

2026 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Atlantic Coast Consulting, Inc.

PROFESSIONAL CERTIFICATION

This *2026 Annual Groundwater Monitoring and Corrective Action Report*, Grumman Road Private Industrial Landfill has been prepared in compliance with the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 and 391-3-4-.14 by a qualified groundwater scientist or engineer with Atlantic Coast Consulting, 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.

ATLANTIC COAST CONSULTING, INC.



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SUMMARY

This summary of the *2026 Annual Groundwater Monitoring and Corrective Action Report* provides the groundwater monitoring and corrective action program status from July 2025 through June 2026 for Georgia Power Company (Georgia Power) Grumman Road Private Industrial Landfill (GRL). This summary was prepared by Atlantic Coast Consulting, Inc. (ACC) on behalf of Georgia Power.

GRL (the Site) is located on Gulfstream Road, in Chatham County, Georgia, approximately 0.8 miles east of Savannah/Hilton Head International Airport and 1.3 miles west of the city of Port Wentworth. GRL received coal combustion residuals (CCR) from Georgia Power – Plant Kraft and operated under Georgia Environmental Protection Division (GA EPD) solid waste handling permit number 025-061D(LI). GRL is comprised of four cells or parcels: Parcel A [originally operated under permit number 025-034D(LI)], B1, B2, and B3.



Grumman Road Private Industrial Landfill

Groundwater at the Site is monitored using a comprehensive monitoring system of wells installed to meet state monitoring requirements. Routine sampling and reporting began after background groundwater conditions were established in accordance with the Solid Waste Permit requirements specified in the Design and Operation (D&O) Plan. The monitoring program has been modified to include Appendix III and IV parameters to meet the requirements of the GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a) and 40 Code of Federal Regulations (CFR) § 257.95. Background groundwater conditions for Appendix III and IV parameters were established between September 2016 and July 2018.

Based on Site groundwater conditions, Georgia Power submitted a notification for the implementation of assessment monitoring under GA EPD Rule 391-3-4-.10(6)(a) on November 13, 2019. An Assessment of Corrective Measures (ACM) was initiated on July 9, 2020, based on the requirements of GA EPD Rule 391-3-4-.10(6)(a) which incorporates the United States Environmental Protection Agency (USEPA) CCR Rule (40 CFR Part 257, Subpart D) by reference. Georgia Power submitted an ACM report on December 4, 2020, pursuant to GA EPD Rule 391-3-4-.10(6)(a) (Anchor QEA 2020). The 2020 ACM supersedes previous documents submitted for the Site under the existing GA EPD Permit No. 025-061D(LI) [Southern Company Services (SCS) 2013; ACC 2017, 2019].

During the 2026 annual reporting period, ACC completed groundwater sampling events in July 2025 and January 2026. Groundwater samples were submitted to GEL Laboratories, LLC (GEL) for analysis of Appendix III[1] and Appendix IV[2] parameters. Per the CCR Rule, groundwater results for July 2025 and January 2026 were evaluated in accordance with the certified statistical methods. That evaluation identified statistically significant values of Appendix III parameters above background and statistically significant levels (SSLs) of Appendix IV parameters above groundwater protection standards (GWPS), as summarized below.

Appendix III Parameter	**July 2025**	**January 2026**
Boron	None	GWC-16
Calcium	GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, GWC-22	GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, GWC-22
Chloride	GWC-17, GWC-22	GWC-17, GWC-22
Fluoride	None	GWC-17
pH	GWC-15	GWC-12, GWC-15
Sulfate	GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, GWC-22	GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, GWC-22
Total Dissolved Solids	None	GWC-16
Appendix IV Parameter[3]	**July 2025**	**January 2026**
Arsenic	GWC-15, GWC-16, GWC-20	GWC-15, GWC-16, GWC-20
Cobalt	GWB-6R	GWB-6R
Molybdenum	GWB-4R, GWC-16, GWC-20	GWB-4R, GWC-16, GWC-20

Based on review of the statistical results completed for the groundwater monitoring and corrective action program from July 2025 through June 2026, the Site will continue assessment monitoring and groundwater remedy selection. Georgia Power will continue routine groundwater monitoring and reporting at the Site, and reports will be posted to the website and provided to GA EPD. 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 15, 2025. A *GWC-16 and GWC-20 Pilot Study Work Plan* (Anchor QEA 2026), which details the pilot study activities, was approved by GA EPD on April 21, 2026.

[1] Appendix III: Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS).
[2] Appendix IV: Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, radium 226+228, selenium, and thallium.
[3] An SSL parameter is determined by comparing the confidence intervals developed to either the parameter's maximum contaminant level (MCL), if available; the USEPA Rule Specified Level, if no MCL is available, or the calculated background interwell prediction limit.

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1.0 INTRODUCTION

In accordance with the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10(6)(a)-(c) and 391-3-4-.14, Atlantic Coast Consulting, Inc. (ACC) has prepared this *2026 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted July 2025 through June 2026 at Georgia Power Company's Grumman Road Private Industrial Landfill (GRL). To specify groundwater monitoring requirements, GA EPD Rule 391-3-4-.10(6)(a) incorporates by reference the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) § 257 Subpart D.

To comply with GA EPD's Rule 391-3-4-.10, a permit application package for GRL was submitted to GA EPD in November 2018 and is currently under review. To meet the requirements of GA EPD Rule 391-3-4-.10(6), Appendix III and IV parameters listed in 40 CFR § 257 were incorporated into the routine groundwater monitoring program through a minor modification in August 2017. Semiannual reporting is completed pursuant to GA EPD Rule 391-3-4-.10(6)(c). This report documents groundwater activities conducted from July 2025 through June 2026.

Georgia Power submitted an Assessment of Corrective Measures (ACM) report in December 2020 pursuant to GA EPD Rule 391-3-4-.10(6)(a) (Anchor QEA 2020). The 2020 ACM supersedes previous documents submitted for the Site under the existing GA EPD Permit No. 025-061D(LI) [SCS 2013; ACC 2017, 2019]. The ACM was prepared to evaluate potential groundwater corrective measures for the occurrence of arsenic and molybdenum in groundwater at statistically significant levels (SSLs) at GRL. 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 15, 2025 (Anchor QEA 2025). A *GWC-16 and GWC-20 Pilot Study Work Plan* (Anchor QEA 2026), detailing pilot study activities, was submitted to GA EPD on February 27, 2026.

1.1 Site Description and Background

GRL is located on Gulfstream Road, in Chatham County, Georgia, approximately 0.8 miles east of Savannah/Hilton Head International Airport and 1.3 miles west of the city of Port Wentworth. GRL occupies approximately 33 acres. GRL received CCR from Georgia Power – Plant Kraft and operated under GA EPD solid waste handling permit number 025-061D(LI). GRL is comprised of four cells or parcels: Parcel A [originally operated under permit number 025-034D(LI)], B1, B2, and B3. Closure of parcels B1, B2, and B3 was completed after CCR disposal ceased. Capping of the last remaining uncapped portion of Parcel A has been completed and was documented to GA EPD in a submittal dated November 27, 2019. Isolated areas of CCR removal near site utility structures were completed in late 2023 and certification of this removal was submitted to GA EPD in February 2024.

GRL is adjacent to two other permitted solid-waste disposal facilities. The closed Clifton Rental Company, Inc., Landfill (Clifton Landfill; Permit No. 025-030D(L)) is located east of the Site, and hydraulically upgradient and cross gradient of the Site. The active Savannah Regional Industrial Landfill [SRIL; Permit No. 025-072D(L)], operated by Republic Services, Inc., is located south of

the Site and hydraulically downgradient of both Clifton Landfill and GRL. Figure 1, Site Location Map, depicts the location of GRL relative to the surrounding area. Figure 2, Well Location Map, depicts the general configuration of GRL and the location of the monitoring wells.

1.2 Regional Geology and Hydrogeologic Setting

GRL is underlain by Atlantic Coastal Plain Physiographic Province strata consisting of unconsolidated to consolidated layers of sand, silt, and clay and semi-consolidated to dense layers of limestone and dolomite (Clarke et al, 2010). These sediments constitute three major aquifer systems, which are, from shallow to deep, the surficial aquifer system, the Brunswick aquifer system, and the Floridan aquifer system. In the Atlantic Coastal Plain, the surficial aquifer system consists of Miocene and younger interlayered sand, silt, clay, and thin limestone beds (Clarke et al, 2010). The surficial aquifer system is unconfined and generally at a depth less than 80 feet below ground surface.

The surficial aquifer is underlain by a confining unit that separates it from the Brunswick aquifer. The confining unit consists of silty clay and dense thin, phosphatic Miocene limestone. The Oligocene to Miocene Brunswick aquifer consists of two water-bearing zones. The upper Brunswick and lower Brunswick aquifers are separated by a low permeability, sandy phosphatic clay confining unit. The Brunswick aquifer is separated from the Upper Floridan aquifer with the Upper Confining unit and a non-water bearing limestone (NWBL) layer. The Floridan aquifer is confined by the overlying clay and NWBL layers.

1.3 Site Geology and Hydrogeologic Setting

The sediments immediately underlying the Site are part of the regional surficial aquifer system described previously and consist of variable interbedded sands, silts, and clay comprising a near-surface aquifer system (SCS, 1998). Though complex with subtle distinctions, approximately 50 feet of the near-surface aquifer system (soil) can be divided into four units as described below:

- Upper Sands and Topsoil
- Unit 1 Uppermost Aquifer: Silty Fine Sand
- Unit 2 Low Permeability Zone: Interbedded Sand, Silt, and Clay
- Unit 3 Lower Sand Aquifer: Silty and/or Clayey Fine to Medium Sand

Unit 1 comprises the water-bearing soil unit monitored at the Site and has a thickness ranging from approximately 22 to 28 feet across GRL. Although Units 1 through 3 are classified as the surficial aquifer system, layers of lower permeability may be present in the surficial aquifer system (Clarke, Hacke, and Peck 1990; SCS 1998). Generally, groundwater in the near-surface aquifer system flows from north to south at GRL but is influenced by topography. Groundwater elevations observed across the Site and adjacent landfills suggest that hydraulic communication exists between Units 1, 2, and 3. Unit 2 has a lower permeability than Units 1 and 3 and locally may act as an impediment to downward migration, potentially creating perched water within Unit 1 or impeding migration within the near-surface aquifer system. Unit 2 does not appear to be continuous across the Site such that it creates distinct groundwater flow systems. The geologic

and hydrogeologic conditions at GRL were described in detail in the ACM report (Anchor QEA 2020).

1.4 Groundwater Monitoring System

A groundwater monitoring plan was submitted in November 1999 and approved by GA EPD in January 2000 (SCS, 1999). Pursuant to GA EPD Rule 391-3-4-.10(6)(a) and 40 CFR § 257.91, a comprehensive monitoring system was designed to monitor groundwater passing the waste boundary of GRL within the uppermost aquifer. Wells were located to serve as upgradient and downgradient monitoring points based on groundwater flow direction (Table 1, Monitoring Well Network Summary).

As part of the assessment monitoring program, assessment wells were installed in December 2020 and January 2021. Pursuant to GA EPD Rule 391-3-4-.10(6)(a) and 40 CFR § 257.95(g)(1)(iv), the wells will be sampled in addition to the compliance monitoring wells as part of the ongoing assessment groundwater monitoring program.

2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed at the Site from July 2025 through June 2026 (the reporting period) and discusses any change in status of the monitoring program.

2.1 Monitoring Well Installation/Maintenance

Two piezometers (PZ-1 and PZ-2) were installed December 16, 2025. The piezometer installation report is included in Appendix A, Piezometer Installation Report.

There were no other changes to the groundwater monitoring system during the current reporting period; the detection monitoring system remained the same as in the previous reporting year and is shown in Figure 2.

Monitoring wells are inspected semiannually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). The well inspection checklists completed during the July 2025 and January 2026 semiannual sampling events are included in Appendix B, Laboratory Analytical and Field Sampling Reports. Corrective actions to stabilize the well pad for GWC-13 were performed by Southern Company Civil Field Services on September 18, 2025, as documented in Appendix B. The documentation was prepared under the direction of a professional geologist registered in the State of Georgia.

2.2 Assessment Monitoring Program

Georgia Power has initiated an assessment monitoring program for CCR Appendix IV parameters. A notification for the implementation of assessment monitoring under GA EPD Rule 391-3-4-.10(6) was submitted on November 13, 2019. The facility had previously implemented an assessment monitoring program for an Appendix II metal (arsenic) included in its state permit.

Currently identified SSLs of Appendix IV parameters exceeding their respective groundwater protection standards (GWPS) at GRL are arsenic at GWC-15, GWC-16, and GWC-20, cobalt at GWB-6R, and molybdenum in GWB-4R, GWC-16, and GWC-20.

Table 2, Groundwater Event Summary, presents a summary of the groundwater sampling events completed at the Site during the reporting period. Semiannual assessment monitoring events were completed in July 2025 and January 2026. Groundwater samples were collected for the state-specific list of Appendix I/II metals specified in the permit and all Appendix III and Appendix IV parameters. A summary of the parameters required by Appendix III, Appendix IV, and the existing permit is provided in Table 3, Summary of Required Groundwater Monitoring Parameters. Samples were collected from each well in the detection monitoring system, as well as four assessment wells, shown on Figure 2.

Details of these events and analytical results are discussed in Section 3, and the statistical results are discussed in Section 4. Results of sampling activities conducted during the reporting period are presented in Appendix B.

2.3 Assessment of Corrective Measures

Based on statistical analysis of assessment monitoring results presented in the 2020 Annual Groundwater Monitoring and Corrective Action Report, a Notice of ACM was placed in the operating record on July 9, 2020, for the State CCR Rule. An ACM for arsenic was previously established under GA EPD Rule 391-3-4-.14. An ACM completed by Anchor QEA, LLC in December 2020 (Anchor QEA, 2020) under GA EPD Rule 391-3-4-.10(6)(a) and 40 CFR § 257.96 supersedes the previous ACM and incorporates arsenic and an additional Appendix IV parameter, molybdenum. A *Draft Remedy Selection Report* was submitted for GA EPD review on August 15, 2025 (Anchor QEA 2025).

The *Draft Remedy Selection Report* presents the geochemical conceptual site model, which indicates groundwater migrating onto the Site from the east is impacted by leachate from the adjacent Clifton Landfill. The impacted groundwater from Clifton Landfill's leachate contains elevated dissolved organic carbon, which enhances anaerobic conditions in the southeast portion of the Site. Anaerobic or reducing groundwater conditions dissolve iron oxides, which are attenuating arsenic and molybdenum, thereby releasing arsenic and molybdenum to groundwater that is coprecipitated with iron oxide farther downgradient as groundwater conditions become more aerobic.

Pre-design investigation (PDI) activities were completed in December 2025 to characterize and refine a proposed pilot study evaluating air sparging and injection treatment areas in the southeastern portion of the Site near monitoring wells GWC-16 and GWC-20. Four hydraulic profiling tool borings were advanced to evaluate hydraulic conductivity, and seven direct-push technology borings were advanced for the collection of remedial design parameters and screening-level groundwater data. These analytical results will be used to determine the locations and depths of a pilot study injection and performance test well network. In addition, two piezometers were installed during the PDI to monitor groundwater elevations and refine site-specific flow directions for alignment of the pilot study injection and performance test wells. A *GWC-16 and GWC-20 Pilot Study Work Plan* (Anchor QEA 2026), detailing pilot study activities,

was approved by GA EPD on April 21, 2026. Results of the PDI, and field and laboratory reports, will be summarized in the Pilot Study Post-Injection Event Report (PSPIER) and attached to the subsequent semiannual groundwater monitoring report. The monitoring well installation report for the installed piezometers is presented as Appendix A.

2.4 Additional Sampling

As summarized in previous reporting, an above-ground leachate seep has been observed on aerial imagery on the north side of the Clifton Landfill since approximately 2009. When present, the seepage flows onto the Site near GWA-7. During the July 2025 and January 2026 semiannual sampling events, leachate seepage was observed on the Site near GWA-7 and representative samples were collected.

Additional geochemical analytical data were also collected from monitoring well GWA-7 during the July 2025 monitoring event and from all wells during the January 2026 monitoring event.

The additional analytical data collected during this annual monitoring period are included in Appendix B and referenced in Section 3.3.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

The following sections describe the methods used to conduct groundwater monitoring at the Site.

3.1 Groundwater Flow Direction, Gradient, and Velocity

Prior to each sampling event, groundwater elevations are recorded from the certified detection well system, assessment wells, and piezometers at GRL. Groundwater elevations recorded during the monitoring events are summarized in Table 4, Summary of Groundwater Elevations. Groundwater elevation data were used to develop Figures 3A and 3B, Potentiometric Surface Contour Map – July 2025 and January 2026, respectively. A potentiometric high point exists near well GWA-7 in the northern portion of the Site and groundwater flows semi-radially from this high point. In the southern portion of the Site, groundwater flows to the south and southeast. The groundwater flow pattern observed during the monitoring event is consistent with historical patterns.

The groundwater flow velocity at GRL was calculated using a derivation of Darcy's Law.

Specifically:

Equation

$$v = \frac{K(i)}{ne}$$

where:

v = groundwater velocity
K = hydraulic conductivity
i = hydraulic gradient
ne = effective porosity

The groundwater flow velocity was calculated for the Site based on hydraulic gradients, average hydraulic conductivity based on previous slug test data, and an estimated effective porosity of

0.20 (based on a review of several sources, including Driscoll, 1986; USEPA, 1989; Freeze and Cherry, 1979). The groundwater flow velocity has been calculated and is tabulated on Tables 5A and 5B, Groundwater Flow Velocity Calculations – July 2025 and January 2026, respectively. The calculated average flow velocity was 0.22 feet per day during the July 2025 event and 0.22 feet per day during the January 2026 event.

3.2 Groundwater Sampling

Groundwater samples were collected using low-flow sampling procedures in accordance with 40 CFR § 257.93(a). Purging and sampling were performed using a peristaltic pump. Tubing was lowered into the well so that the intake was at the midpoint of the well screen (or as appropriate determined by the water level). Peristaltic pump samples were collected using new disposable polyethylene tubing. All non-disposable equipment was decontaminated before use and between well locations.

Monitoring wells were purged and sampled using low-flow sampling procedures. A SmarTroll or Aqua Troll (In-Situ field instruments) was used to monitor and record field water quality parameters (pH, specific conductance, oxidation-reduction potential [ORP], dissolved oxygen [DO], and temperature) during well purging prior to sampling. Turbidity was measured using a Hach 2100Q portable turbidimeter. Groundwater samples were collected when the following stabilization criteria were met:

- ± 0.1 standard units for pH.
- ± 10% for specific conductance.
- ± 10% for DO or 0.2 milligrams per liter (mg/L), whichever is greater where DO > 0.5 mg/L. No criterion applies if DO < 0.5 mg/L.
- Turbidity measurements less than 5 nephelometric turbidity units (NTU) or measured between 5 and 10 NTU following three additional hours of purging.

Once stabilization was achieved, samples were collected directly into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to GEL Laboratories, LLC (GEL) following chain-of-custody protocol. Additional geochemical analytical samples collected during the July 2025 and January 2026 monitoring events were submitted to GEL. Stabilization logs and equipment calibration forms for each well during the reporting period are included in Appendix B.

3.3 Laboratory Analyses

Analytical methods used for groundwater monitoring parameters are provided in laboratory reports in Appendix B. Analytical data collected in the monitoring events during the reporting period are summarized in Tables 6A and 6B, Groundwater Analytical Data Summary – July 2025 and January 2026, respectively. Additional analytical data collected during the July 2025 and January 2026 monitoring events are summarized in Table 6C, Additional Analytical Data Summary – Clifton Seep and Table 6D, Additional Analytical Data Summary.

Laboratory analyses were performed by GEL. GEL is accredited by the National Environmental Laboratory Accreditation Program (NELAP) and maintains a NELAP certification for all parameters analyzed for this project. In addition, GEL is certified to perform analysis by the State of Georgia. Laboratory reports and chain-of-custody records for the monitoring event are presented in Appendix B.

3.4 Quality Assurance and Quality Control

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

Groundwater quality data in this report were validated in accordance with USEPA guidance (USEPA, 2011) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spike/matrix spike duplicate recoveries and relative percent differences (RPDs), post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits. Where appropriate, validation qualifiers and flags are applied to the data using USEPA procedures as guidance (USEPA, 2017). 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 statistical method used at GRL was developed by Groundwater Stats Consulting, LLC (GSC), using methodology presented in *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*, March 2009, USEPA 530/ R-09-007 (USEPA, 2009).

Statistical analysis of the reporting period groundwater monitoring data was performed by GSC following the appropriate certified statistical methodology for GRL. Sanitas groundwater statistical software was used to screen the data and 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.

Appendix I and Appendix III statistical analyses were performed to determine if groundwater has returned to background levels. Appendix II and Appendix IV parameters were evaluated to determine if concentrations statistically exceeded the established GWPS.

A summary of the statistical methodology used at GRL for routine groundwater monitoring is provided in Table 7, Statistical Method Summary. Statistical analysis methods and results are provided in Appendix C, Statistical Analysis Reports, and summarized in the following sections.

4.1 Appendix I and 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 I and III parameters. Interwell PLs are constructed using pooled data from upgradient wells GWA-7 and GWA-8 to establish a background limit for an individual parameter. The most recent sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs). An "initial exceedance" occurs when an Appendix I or III parameter reported in a downgradient groundwater compliance monitoring well exceeds the parameter'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 verifies the initial exceedance. If the resample result is less than its relevant PL, the initial exceedance is not verified.

4.2 Appendix II and IV Statistical Methods

Appendix II parameters and Appendix IV parameters were sampled during the semiannual assessment sampling events. To statistically compare groundwater data to GWPS, confidence intervals are constructed for each of the detected Appendix II and IV parameters in each downgradient well. Those confidence intervals are compared to the respective GWPS. Only when the entire confidence interval is above a GWPS is the well/parameter pair considered to exceed its GWPS. If there is an exceedance of the established standard, an SSL exceedance is identified. In accordance with Section 21.1.1 of the Unified Guidance (USEPA, 2009), four independent data points are the minimum population size recommended to construct confidence intervals required to assess SSLs for Appendix IV parameters. Due to non-routine (or ACM investigation) sampling, some Appendix IV parameters at a well location have differing numbers of analytical data points. Established GWPS are used for statistical comparison of Appendix II and Appendix IV parameters as presented in Table 8, Summary of Background Levels and GWPS.

4.3 Statistical Analyses Results

Based on review of the Appendix I and III statistical analyses presented in Appendix C, parameters have not returned to background levels and assessment monitoring should continue pursuant to GA EPD Rule 391-3-4-.10(6)(a).

Based on a review of the Appendix IV statistical analysis presented in Appendix C, the following parameters were found to statistically exceed the GWPS for the reporting period:

- Arsenic: GWC-15, GWC-16, and GWC-20
- Cobalt: GWB-6R
- Molybdenum: GWB-4R, GWC-16, and GWC-20

Based on GA EPD guidance, groundwater trends at wells with SSLs were further evaluated by GSC using the Sen's Slope/Mann Kendall trend tests. The full report generated from the analyses is provided in Appendix C. Statistically significant trends were identified for the following well/parameter pairs:

- Increasing trends were identified for arsenic at GWC-15 and GWC-16, cobalt at GWB-6R, and molybdenum at GWB-4R.

- No statistically significant trends were identified for molybdenum at GWC-16 nor for arsenic and molybdenum at GWC-20.

The SSL results are consistent with those presented in the *2025 Semiannual Groundwater Monitoring and Corrective Action Report* (ACC, 2026). An ACM report was submitted in December 2020 for arsenic and molybdenum, per GA EPD Rule 391-3-4-.10(6)(a) and 40 CFR § 257.96, and potential corrective measures are under evaluation as presented in the *Draft Remedy Selection Report* (Anchor QEA 2025).

5.0 NATURE AND EXTENT

Wells MW-23D and MW-24D vertically delineate arsenic and molybdenum at wells GWC-20 and GWC-16, respectively. Well MW-25D vertically delineates arsenic at GWC-15. Well MW-26D vertically delineates molybdenum at GWB-4R.

In an attempt to delineate offsite impacts to the south of GWC-15 and GWC-16, groundwater monitoring data from the adjacent SRIL site was reviewed (CEC, 2025). Data from the August 2025 semiannual monitoring event at SRIL show that arsenic concentrations in groundwater samples collected from monitoring wells GWA-6 and GWA-12B located along the northern boundary of SRIL, due south of the Site, are less than the analytical method reporting limit (0.01 mg/L; CEC, 2025). These results suggest the arsenic impacts have not migrated far off-site. Molybdenum, however, is not a routine parameter analyzed at SRIL.

The July 2025 molybdenum result for monitoring well GWC-16 was below the site GWPS. Sampling results from the two events prior to August 2024 along with the July 2025 and January 2026 events illustrate that molybdenum concentrations, below the GWPS, are delineated on-site.

The interpreted extent of arsenic, molybdenum, and cobalt from the July 2025 semiannual sampling event is illustrated in Figure 4A, Isoconcentration Map: Arsenic – July 2025, Figure 4B, Isoconcentration Map: Molybdenum – July 2025, and Figure 4C, Isoconcentration Map: Cobalt – July 2025. The interpreted extent of arsenic, molybdenum, and cobalt from the January 2026 semiannual sampling event is illustrated in Figure 5A, Isoconcentration Map: Arsenic – January 2026, Figure 5B, Isoconcentration Map: Molybdenum – January 2026, and Figure 5C, Isoconcentration Map: Cobalt – January 2026. SRIL representatives were notified of the arsenic and molybdenum detections in neighbor notification correspondence dated September 25, 2020.

Cobalt is delineated horizontally by GWB-5R, where cobalt is less than the GWPS. Vertical delineation of GWB-6R will commence prior to the Site's semiannual groundwater sampling event.

6.0 MONITORING PROGRAM STATUS

Pursuant to 40 CFR § 257.96(b), Georgia Power will continue to monitor groundwater at the Site in accordance with the assessment monitoring program regulations of 40 CFR § 257.95 while ACM efforts are implemented to evaluate SSL concentrations of arsenic and molybdenum. Pursuant to 40 CFR § 257.94(e)(1), Georgia Power will continue assessment monitoring in accordance with 40 CFR § 257.95. Pursuant to 40 CFR § 257.95(g)(1)(iv), the assessment wells will continue to be sampled as part of the ongoing semiannual assessment groundwater monitoring program.

6.1 Assessment of Corrective Measures

A *Draft Remedy Selection Repor*t was submitted to GA EPD on August 15, 2025 (Anchor QEA 2025). The report summarizes:

- The current conceptual site model applicable to evaluating groundwater corrective measures proposed in the ACM Report (Anchor QEA 2020);
- 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.
- PDI was initiated in December 2025. A workplan detailing the pilot study activities was submitted to GA EPD in February 2027.

6.2 Annual Potable Well Survey

As requested by GA EPD, the potable well survey within a 2-mile radius of the Site was updated on January 5, 2026. The survey conducted by Environmental Data Resources (EDR) is included in Appendix D, Potable Well Survey. Additional state, county, and online records outside of the EDR survey were also reviewed. No new wells were identified in the 2026 well survey.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2026 Annual Groundwater Monitoring and Corrective Action Report* was prepared to fulfill the requirements of GA EPD Rule 391-3-4-.10(6)(c). Statistical evaluations of the groundwater monitoring data identified the presence of SSLs of arsenic in three wells (GWC-15, GWC-16, and GWC-20), cobalt in one well (GWB-6R), and molybdenum in three wells (GWB-4R, GWC-16, and GWC-20) for the July 2025 and January 2026 events. The arsenic SSL in GWC-15, the arsenic and molybdenum SSLs in GWC-16 and GWC-20, and the molybdenum SSL in GWB-4R are vertically delineated below the GWPS by assessment wells MW-23D through MW-26D. Arsenic is horizontally delineated below the GWPS by upgradient SRIL wells GWA-6 and GWA-12B, just south of the Site. The cobalt SSL in GWB-6R is delineated horizontally by GWB-5R, where the cobalt concentration (0.00108 mg/L) is less than the GWPS. Vertical delineation of GWB-6R will commence in 2026. The current reporting period results show cobalt and molybdenum as delineated on-site. Georgia Power will continue to monitor groundwater under the assessment monitoring program as ongoing assessment of corrective measures are evaluated. 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 15, 2025 (Anchor QEA 2025). A workplan detailing the pilot study activities was submitted to GA EPD in February 2027. The cobalt SSL is currently being evaluated to determine if treatment is consistent with the

proposed remedy. If appropriate, an addendum will be submitted to incorporate the cobalt SSL into the *Draft Remedy Selection Report*.

A workplan, which will summarize the initial results of the PDI, will be submitted to GA EPD in a future submittal. Analytical results will be used to determine the locations and depths of a pilot study injection and performance monitoring well network. In addition, two piezometers were installed during the PDI to monitor groundwater elevations and refine site-specific flow directions for alignment of the pilot study injection and performance monitoring wells. Results of the PDI, and field and laboratory reports, will be summarized in the PSPIER and attached to the subsequent semiannual groundwater monitoring report.

The next semiannual assessment sampling event is planned to begin in July 2026. The semiannual assessment monitoring event will include sampling and analysis of all Appendix III and IV parameters along with the state-specific list of Appendix I/II metals specified in the permit. Any updates regarding the remedy selection will continue to be documented in the groundwater monitoring and corrective action reports.

8.0 REFERENCES

ACC, 2017. *Assessment of Corrective Measures – Addendum.* Grumman Road Private Industrial Landfill.

ACC, 2019. *Assessment of Corrective Measures – 2019 Addendum.* Grumman Road Private Industrial Landfill.

ACC, 2020. *2020 Annual Groundwater Monitoring and Corrective Action Report.* Grumman Road Private Industrial Landfill.

ACC, 2026. *2025 Semiannual Groundwater Monitoring and Corrective Action Report.* Grumman Road Private Industrial Landfill.

Anchor QEA, 2020. *Assessment of Corrective Measures*. Grumman Road Private Industrial Landfill.

Anchor QEA, 2025. *Draft Remedy Selection Report*. Grumman Road Private Industrial Landfill.

Anchor QEA, 2026. *GWC-16 and GWC-20 Pilot Study Work Plan*, Grumman Road Private Industrial Landfill.

Civil & Environmental Consultants, Inc. (CEC), 2025. *2nd 2025 Semiannual Groundwater Statistical Analysis Report,* Savannah Regional Industrial Landfill, Chatham County, Georgia, Permit No. 025-072D(L)(I).

Clarke, J.S., Hacke, C.M., and Peck, M.F. 1990. Geology and Ground-Water Resources of the Coastal Area of Georgia, GGS Bulletin 113.

Clarke, J.S., Williams, L.J., and Cherry, G.C., 2010, Hydrogeology and water quality of the Floridan aquifer system and effect of Lower Floridan aquifer pumping on the Upper Floridan aquifer at Hunter Army Airfield, Chatham County, Georgia: U.S. Geological Survey Scientific Investigations Report 2010–5080, 56 p.

Driscoll, Fletcher G., 1986, *Groundwater and Wells*, Johnson Screens, Saint Paul, Minnesota, 1089 p.

EPRI, 2015 Technical Report, Groundwater Monitoring Guidance for the Coal Combustion Residuals Rule.

Freeze, R.A. and Cherry, J.A. 1979, *Groundwater*, Prentice-Hall, Englewood Cliffs, New Jersey, 604 p.

Groundwater Stats Consulting, LLC, 2019. Statistical Analysis Plan – Grumman Road Landfill.

Groundwater Stats Consulting, 2026. Plant Kraft's Grumman Road Landfill – Statistical Analysis & Background Update – July 2025 Sample Event. February 2026.

SCS, 1998. Grumman Road Monofill Groundwater Monitoring Plan. Southern Company Services, 1998.

SCS, 1999. Groundwater Monitoring Plan-Narrative. Plant Kraft Grumman Road Ash Monofill Revised Design & Operations Plan, Drawing No. H1C1020. Southern Company Services, November 1999.

SCS, 2013. *Assessment of Corrective Measures: Landfill Parcel A.* Grumman Road Ash Landfill. Prepared for Georgia Power Company. February 2013.

USEPA, 1989 Risk Assessment Guidance for Superfund (RAGS), Vol. I: Human Health Evaluation Manual (Part A) (540-1-89-002).

USEPA. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March.

USEPA. 2011. *Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September.

USEPA. 2017. National Functional Guidelines for Inorganic Superfund Methods Data Review. Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington, DC. January.

TABLES

Grumman Road Private Industrial Landfill
Chatham County, Georgia
2026 Annual Groundwater Monitoring and Corrective Action Report

Table 1
Monitoring Well Network Summary
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

Well ID	Well Designation	Location	Northing	Easting	Ground Surface Elevation (feet)	Top of Casing Elevation (feet)	Top of Screen Elevation (feet)	Bottom of Screen Elevation (feet)	Total Well Depth from (Feet Below Top of Casing)	Groundwater Zone Screened	Installation Date
GWA-7	Detection	Upgradient	780887.38	960560.31	43.97	46.58	30.97	25.97	20.91	SM	07/29/1998
GWA-8	Detection	Upgradient	781167.00	960460.57	43.51	46.20	31.31	26.31	20.19	SM	07/29/1998
GWB-4R	Detection	Downgradient	779975.18	960777.56	46.17	49.04	32.47	22.47	26.87	SM	10/09/2018
GWB-5R	Detection	Downgradient	780293.66	960693.28	44.72	47.21	31.02	21.02	26.49	SM	10/09/2018
GWB-6R	Detection	Downgradient	780572.76	960617.28	44.13	46.99	34.43	24.43	22.86	SM	10/08/2018
GWC-1	Detection	Downgradient	779573.38	960870.73	46.49	49.72	27.69	22.69	27.33	SM, SP	03/10/1997
GWC-2	Detection	Downgradient	779433.23	960360.53	47.44	51.22	24.44	19.44	32.08	SM, SP	03/11/1997
GWC-9	Detection	Downgradient	781006.70	959961.26	42.98	46.57	23.93	18.93	27.94	SM	07/24/1998
GWC-10	Piezometer	Downgradient	780703.08	960037.03	44.05	46.77	31.00	26.00	21.07	SM	07/24/1998
GWC-11	Detection	Downgradient	780352.21	960122.47	45.35	48.81	31.25	26.25	22.86	SP	07/23/1998
GWC-12	Detection	Downgradient	780098.49	960182.06	43.74	46.89	25.09	20.09	27.10	SM	07/22/1998
GWC-13	Detection	Downgradient	779737.50	960276.20	44.77	47.68	28.67	23.67	24.31	SM	07/22/1998
GWC-14	Detection	Downgradient	779112.24	960431.34	47.22	50.06	28.12	23.12	27.24	SM	07/22/1998
GWC-15	Detection	Downgradient	778948.56	960666.68	44.73	47.36	25.63	20.63	27.03	SM	07/22/1998
GWC-16	Detection	Downgradient	779034.89	960963.23	44.34	47.29	23.64	18.64	28.95	SM-SC	07/21/1998
GWC-17	Detection	Downgradient	781419.25	960048.28	40.82	43.60	25.26	20.26	23.64	SM	01/01/1998
GWC-20	Detection	Downgradient	779293.82	960956.67	46.22	49.43	29.22	24.22	25.51	SM	05/07/2010
GWC-21	Detection	Downgradient	779030.28	960948.11	44.10	47.18	28.10	23.10	24.38	SM	05/07/2010
GWC-22	Detection	Downgradient	780712.09	960063.85	43.21	46.25	32.31	27.31	19.24	SM	05/07/2010
MW-23D	Assessment	Downgradient	779279.75	960955.66	46.51	49.46	-8.19	-13.19	62.95	SM	12/17/2020
MW-24D	Assessment	Downgradient	779042.22	960971.12	44.67	47.86	-12.03	-17.03	65.19	SM	01/04/2021
MW-25D	Assessment	Downgradient	778944.28	960654.43	44.70	47.67	-16.00	-21.00	68.97	SM	01/06/2021
MW-26D	Assessment	Downgradient	779993.34	960774.89	45.77	48.72	-14.93	-19.93	68.95	SM, SC	01/10/2021
MW-27D	Piezometer	Downgradient	779558.89	960874.59	47.06	49.80	-16.64	-21.64	71.74	SM, SC	01/08/2021
PZ-1	Corrective Action Piezometer	Downgradient	779209.29	960961.90	46.77	50.04	21.97	12.17	38.27	SP, SC	12/16/2025
PZ-2	Corrective Action Piezometer	Downgradient	779125.68	960982.75	45.56	49.75	20.76	10.96	38.19	SP, SC	12/16/2025

Notes:
Elevations shown are in datum NAVD88, which indicates feet in elevation referenced to the North American Vertical Datum 1988.
Georgia State Plane NAD83 East Zone referenced for horizontal datum.
Survey points measured at nail or known reference point.
Well screen elevations are calculated by subtracting the depths to top and bottom of the well screen from the ground surface elevation.
Groundwater Zone Screened references USCS ASTM 2488 Visual Manual Group Symbol or well survey.

Table 2
Groundwater Event Summary
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

Well ID	Hydraulic Location	Well Designation	July 28-30, 2025	January 27-28, 2026
			Assessment Event	Assessment Event
GWA-7	Upgradient	Detection	X	X
GWA-8	Upgradient	Detection	X	X
GWB-4R	Downgradient	Detection	X	X
GWB-5R	Downgradient	Detection	X	X
GWB-6R	Downgradient	Detection	X	X
GWC-1	Downgradient	Detection	X	X
GWC-2	Downgradient	Detection	X	X
GWC-9	Downgradient	Detection	X	X
GWC-11	Downgradient	Detection	X	X
GWC-12	Downgradient	Detection	X	X
GWC-13	Downgradient	Detection	X	X
GWC-14	Downgradient	Detection	X	X
GWC-15	Downgradient	Detection	X	X
GWC-16	Downgradient	Detection	X	X
GWC-17	Downgradient	Detection	X	X
GWC-20	Downgradient	Detection	X	X
GWC-21	Downgradient	Detection	X	X
GWC-22	Downgradient	Detection	X	X
MW-23D	Downgradient	Assessment	X	X
MW-24D	Downgradient	Assessment	X	X
MW-25D	Downgradient	Assessment	X	X
MW-26D	Downgradient	Assessment	X	X
CLIFTON SEEP	Other	Surface Water	X	X

Notes:
X - Indicates well sampled during event
Assessment Event includes Appendix I, II, III and IV analytes.

Table 3
Summary of Required Groundwater Monitoring Parameters
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

Appendix III (40 CFR 257)	Appendix IV (40 CFR 257)	State Permit Appendix I and II Metals
Boron	Antimony	Antimony
Calcium	Arsenic	Arsenic
Chloride	Barium	Barium
Fluoride	Beryllium	Chromium
pH	Cadmium	Lead
Sulfate	Chromium	Selenium
Total Dissolved Solids	Cobalt	Vanadium
	Fluoride	Zinc
	Lead	
	Lithium	
	Mercury	
	Molybdenum	
	Radium 226 and 228 Combined	
	Selenium	
	Thallium	

Table 4
Summary of Groundwater Elevations
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

		July 2025		January 2026	
Well ID	Top of Casing Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)	Depth to Water (feet)	Groundwater Elevation (feet)
GWA-7	46.58	5.88	40.70	7.27	39.31
GWA-8	46.20	6.57	39.63	8.08	38.12
GWB-4R	49.04	14.41	34.63	15.17	33.87
GWB-5R	47.21	9.30	37.91	10.59	36.62
GWB-6R	46.99	7.32	39.67	8.51	38.48
GWC-1	49.72	18.65	31.07	19.40	30.32
GWC-2	51.22	18.35	32.87	19.77	31.45
GWC-9	46.57	8.14	38.43	10.81	35.76
GWC-10	46.77	9.07	37.70	10.35	36.42
GWC-11	48.81	12.06	36.75	13.84	34.97
GWC-12	46.89	11.57	35.32	13.52	33.37
GWC-13	47.68	13.26	34.42	15.07	32.61
GWC-14	50.06	18.81	31.25	19.81	30.25
GWC-15	47.36	18.78	28.58	19.31	28.05
GWC-16	47.29	20.21	27.08	20.78	26.51
GWC-17	43.60	5.59	38.01	7.03	36.57
GWC-20	49.43	20.65	28.78	21.20	28.23
GWC-21	47.18	20.13	27.05	20.75	26.43
GWC-22	46.25	8.25	38.00	9.48	36.77
MW-23D	49.46	22.38	27.08	23.07	26.39
MW-24D	47.86	22.35	25.51	22.89	24.97
MW-25D	47.67	20.44	27.23	21.16	26.51
MW-26D	48.72	19.08	29.64	20.19	28.53
MW-27D	49.80	20.91	28.89	21.84	27.96
PZ-1	50.04	NA	NA	22.42	27.62
PZ-2	49.75	NA	NA	22.92	26.83

Notes:
Elevations referenced to the North American Vertical Datum 1988.
Depths to water measured on July 28, 2025 and January 26, 2026.
NA = Not applicable

Table 5A
Groundwater Flow Velocity Calculations - July 2025
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

Well Pair	Groundwater Elevations in Well Pairs (feet)		Change in Elevation (feet)	Distance Between Well 1 and Well 2 (feet)	Hydraulic Gradient (i)	Average Hydraulic Conductivity (K) (feet per day)	Estimated Effective Porosity (ne)	Calculated Groundwater Flow Velocity (feet per day)	Calculated Groundwater Flow Velocity (feet per year)
GWA-7 to GWC-17	40.70	38.01	2.69	738.31	0.0036	7.6	0.20	0.14	49.9
GWB-6R to GWC-16	39.67	27.08	12.59	1577.26	0.0080	7.6	0.20	0.30	111
Average					**0.0058**	**7.6**	**0.20**	**0.22**	**80.5**

Notes:
In-situ hydraulic conductivity (slug) tests in the bedrock at the Site calculated an average of 7.6 feet per day (Grumman Road Monofill Groundwater Monitoring Plan, SCS, 1998).
Effective porosity of 20% was selected for Silty Sands from Interim Final RCRA Investigation (EPA, 1989).
See Figure 3A for illustrated flow paths.
Groundwater flow velocity equation: V = (K* i)/ne, where V is groundwater velocity, K is hydraulic conductivity, i is hydraulic gradient, and ne is effective porosity.

Table 5B
Groundwater Flow Velocity Calculations - January 2026
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

Well Pair	Groundwater Elevations in Well Pairs (feet)		Change in Elevation (feet)	Distance Between Well 1 and Well 2 (feet)	Hydraulic Gradient (i)	Average Hydraulic Conductivity (K) (feet per day)	Estimated Effective Porosity (ne)	Calculated Groundwater Flow Velocity (feet per day)	Calculated Groundwater Flow Velocity (feet per year)
GWA-7 to GWC-17	39.31	36.57	2.74	738.31	0.0037	7.6	0.20	0.14	51.3
GWB-6R to GWC-16	38.48	26.51	11.97	1577.26	0.0076	7.6	0.20	0.29	105
Average					**0.0057**	**7.6**	**0.20**	**0.22**	**78.2**

Notes:
In-situ hydraulic conductivity (slug) tests in the bedrock at the Site calculated an average of 7.6 feet per day (Grumman Road Monofill Groundwater Monitoring Plan, SCS, 1998).
Effective porosity of 20% was selected for Silty Sands from Interim Final RCRA Investigation (EPA, 1989).
See Figure 3B for illustrated flow paths.
Groundwater flow velocity equation: V = (K* i)/ne, where V is groundwater velocity, K is hydraulic conductivity, i is hydraulic gradient, and ne is effective porosity.

Table 6A
Groundwater Analytical Data Summary - July 2025
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	GWA-7	GWA-8	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2	GWC-9	GWC-11
	Sample Date	07/28/2025	07/28/2025	07/28/2025	07/30/2025	07/29/2025	07/29/2025	07/30/2025	07/30/2025	07/29/2025
ANALYTE	UNITS									
Appendix III										
Boron	mg/L	11.2	0.280	5.53	3.24	5.27	0.449	0.0235	0.0191	1.59
Calcium	mg/L	3.57	18.3	155	102	59.8	61.1	0.233	4.81	101
Chloride	mg/L	80.4	17.4	146	41.6	63.6	4.59	3.72	22.5	75.2
Fluoride	mg/L	0.0506 J	0.0842 J	0.0357 J	< 0.0330	0.0648 J	< 0.0330	0.0506 J	0.0743 J	< 0.0330
pH, Field	SU	6.21	4.65	6.09	5.47	5.47	6.01	4.48	4.51	4.92
Sulfate	mg/L	2.25	87.9	593	661	487	25.9	11.6	22.6	554
Total Dissolved Solids	mg/L	1860	179	2130	1110	1110	327	20.0	90.0	977
Appendix IV										
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	0.00406 J	< 0.00200	0.00507	0.00227 J	0.00474 J	0.00906	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.209	0.0537	0.202	0.129	0.0207	0.0467	0.0484	0.173	0.111
Beryllium	mg/L	< 0.000200	0.000227 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000212 J	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000363 J
Chromium	mg/L	0.0147	< 0.00300	0.00648 J	< 0.00300	0.00477 J	0.00320 J	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00158	0.000397 J	0.00252	0.000888 J	0.0285	< 0.000300	< 0.000300	0.00104	0.000469 J
Combined Radium 226 + 228	pCi/L	1.93	3.41	6.49	5.23	10.0	1.92	2.45	3.25	3.35
Fluoride	mg/L	0.0506 J	0.0842 J	0.0357 J	< 0.0330	0.0648 J	< 0.0330	0.0506 J	0.0743 J	< 0.0330
Lead	mg/L	0.000999 J	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	0.0188	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000426 J	< 0.000200	0.102	0.000258 J	0.000468 J	0.0402	< 0.000200	< 0.000200	0.000497 J
Selenium	mg/L	0.00876	< 0.00150	0.00415 J	< 0.00150	0.00255 J	0.00202 J	< 0.00150	< 0.00150	0.00252 J
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Required by Permit										
Vanadium	mg/L	0.156	0.00341 J	0.0278	0.00844 J	0.0285	0.00673 J	0.00539 J	0.00373 J	0.00404 J
Zinc	mg/L	0.00395 J	< 0.00330	< 0.00330	< 0.00330	0.0152 J	< 0.00330	< 0.00330	< 0.00330	< 0.00330

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
5. 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.
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. Parameters required by permit are Appendix I/II parameters included to meet GA EPD Rule 391-3-4-.14 requirements.

Table 6A
Groundwater Analytical Data Summary - July 2025
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	GWC-12	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
	Sample Date	07/30/2025	07/30/2025	07/30/2025	07/30/2025	07/30/2025	07/29/2025	07/29/2025	07/30/2025	07/29/2025
ANALYTE	UNITS									
Appendix III										
Boron	mg/L	6.57	0.238	0.0576	0.708	18.1	1.32	18.0	4.60	8.01
Calcium	mg/L	51.6	6.09	136	137	191	81.7	246	93.3	114
Chloride	mg/L	52.3	4.46	37.1	5.71	40.8	428	17.5	17.6	394
Fluoride	mg/L	0.137	< 0.0330	< 0.0330	< 0.0330	< 0.0330	0.418	0.269 J	< 0.0330	0.0732 J
pH, Field	SU	4.37	4.62	6.06	6.58	5.32	5.06	5.91	5.69	4.56
Sulfate	mg/L	388	46.6	219	74.0	1360	385	1260	413	812
Total Dissolved Solids	mg/L	638	114	722	544	2100	1330	2100	735	1910
Appendix IV										
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	0.00239 J	0.325	0.170	< 0.00200	0.186	0.0280	< 0.00200
Barium	mg/L	0.0190	0.0564	0.0931	0.0553	0.105	0.0311	0.297	0.172	0.199
Beryllium	mg/L	0.000339 J	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00164	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000661 J	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.000595 J	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.00264	< 0.000300	< 0.000300	0.00105
Combined Radium 226 + 228	pCi/L	2.02	5.81	1.06 U	2.37	4.67	1.45 U	4.59	5.11	11.5
Fluoride	mg/L	0.137	< 0.0330	< 0.0330	< 0.0330	< 0.0330	0.418	0.269 J	< 0.0330	0.0732 J
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	0.00495 J	< 0.00300	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	< 0.000200	< 0.000200	0.0186	0.0410	0.0922	0.00493	0.975	0.0361	0.00364
Selenium	mg/L	< 0.00150	< 0.00150	0.00432 J	< 0.00150	0.00347 J	< 0.00150	< 0.00150	0.00521	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Required by Permit										
Vanadium	mg/L	0.0107 J	0.00332 J	0.00867 J	0.00438 J	0.00574 J	0.00465 J	0.00636 J	0.00587 J	0.00665 J
Zinc	mg/L	< 0.00330	0.0151 J	< 0.00330	< 0.00330	< 0.00330	0.00630 J	< 0.00330	< 0.00330	0.0173 J

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
5. 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.
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. Parameters required by permit are Appendix I/II parameters included to meet GA EPD Rule 391-3-4-.14 requirements.

Table 6A
Groundwater Analytical Data Summary - July 2025
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	MW-23D	MW-24D	MW-25D	MW-26D
	Sample Date	07/29/2025	07/30/2025	07/30/2025	07/29/2025
ANALYTE	UNITS				
Appendix III					
Boron	mg/L	0.0308	0.0214	0.0169	0.0309
Calcium	mg/L	6.93	2.19	3.07	2.35
Chloride	mg/L	8.11	6.11	6.07	6.72
Fluoride	mg/L	< 0.0330	0.0345 J	0.110	0.0444 J
pH, Field	SU	5.90	5.84	6.15	5.42
Sulfate	mg/L	19.6	< 0.133	0.181 J	0.712
Total Dissolved Solids	mg/L	67.0	42.0	67.0	13.0
Appendix IV					
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0554	0.0256	0.0255	0.0282
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Combined Radium 226 + 228	pCi/L	3.24	1.10 U	2.48	2.50
Fluoride	mg/L	< 0.0330	0.0345 J	0.110	0.0444 J
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	< 0.000200	0.000628 J	< 0.000200	< 0.000200
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Required by Permit					
Vanadium	mg/L	< 0.00330	< 0.00330	< 0.00330	< 0.00330
Zinc	mg/L	0.00389 J	< 0.00330	0.0132 J	0.0166 J

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
5. 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.
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. Parameters required by permit are Appendix I/II parameters included to meet GA EPD Rule 391-3-4-.14 requirements.

Table 6B
Groundwater Analytical Data Summary - January 2026
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	GWA-7	GWA-8	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2	GWC-9	GWC-11
	Sample Date	01/27/2026	01/27/2026	01/27/2026	01/28/2026	01/28/2026	01/27/2026	01/28/2026	01/28/2026	01/27/2026
ANALYTE	UNITS									
Appendix III										
Boron	mg/L	10.4	0.358	4.23	3.41	6.84	0.564	0.0296 J	0.0235	3.91
Calcium	mg/L	3.92	17.9	170	133	84.7	59.6	0.162 J	5.02	161
Chloride	mg/L	74.3	17.0	101	58.0	53.6	5.71	3.32	21.4	98.3
Fluoride	mg/L	0.0628 J	0.0831 J	< 0.0330	< 0.0660	0.0468 J	< 0.0330	< 0.0330	0.0837 J	< 0.0330
pH, Field	SU	6.19	4.39	5.92	5.19	5.50	5.68	4.64	4.26	4.91
Sulfate	mg/L	5.60	85.0	657	692	555	33.0	10.8	23.5	882
Total Dissolved Solids	mg/L	1720	194	1770	1220	1130	271	21.0	86.0	1540
Appendix IV										
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	0.00502	< 0.00200	0.00618	< 0.0100	0.00504	0.00776	< 0.0100	< 0.0100	< 0.00200
Barium	mg/L	0.221	0.0524	0.136	0.126	0.0263	0.0560	0.0507	0.194	0.137
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000288 J	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.000573 J
Chromium	mg/L	0.0173	< 0.00300	0.00560 J	< 0.00300	0.00499 J	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.00175	0.000367 J	0.0111	0.00108	0.0321	< 0.000300	< 0.000300	0.00109	0.000904 J
Combined Radium 226 + 228	pCi/L	6.98	3.99	6.14	4.21	7.30	1.49 U	2.35	1.67	11.0
Fluoride	mg/L	0.0628 J	0.0831 J	< 0.0330	< 0.0660	0.0468 J	< 0.0330	< 0.0330	0.0837 J	< 0.0330
Lead	mg/L	0.00245	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	0.0216	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	0.000715 J	< 0.000200	0.159	< 0.000200	0.000615 J	0.0376	< 0.000200	< 0.000200	0.000614 J
Selenium	mg/L	0.0102	< 0.00150	0.00534	< 0.00750	0.00194 J	0.00197 J	< 0.00750	< 0.00750	0.00324 J
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Required by Permit										
Vanadium	mg/L	0.138	< 0.00330	0.0198 J	0.00881 J	0.0275	0.00517 J	0.00438 J	0.00414 J	< 0.00330
Zinc	mg/L	0.00820 J	< 0.00330	< 0.00330	< 0.0165	0.0373	< 0.00330	< 0.0165	< 0.0165	< 0.00330

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
5. 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.
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. Parameters required by permit are Appendix I/II parameters included to meet GA EPD Rule 391-3-4-.14 requirements.

Table 6B
Groundwater Analytical Data Summary - January 2026
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	GWC-12	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
	Sample Date	01/28/2026	01/28/2026	01/28/2026	01/27/2026	01/28/2026	01/28/2026	01/27/2026	01/28/2026	01/28/2026
ANALYTE	UNITS									
Appendix III										
Boron	mg/L	6.51	0.262	0.0511	0.783	43.6	1.89	15.1	11.6	7.32
Calcium	mg/L	57.8	7.53	153	176	334	104	285	199	87.9
Chloride	mg/L	43.8	4.59	19.5	5.81	65.7	605	22.2	32.6	281
Fluoride	mg/L	0.117	< 0.0330	< 0.0330	< 0.0330	< 0.132	0.567	< 0.165	< 0.0330	< 0.0660
pH, Field	SU	4.06	4.86	6.10	6.49	5.08	4.83	5.82	5.67	4.68
Sulfate	mg/L	362	48.4	318	84.9	1880	539	1190	728	612
Total Dissolved Solids	mg/L	613	79.0	747	604	3170	1870	2140	1380	1430
Appendix IV										
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	0.235	0.202	< 0.00200	0.288	0.0428	< 0.00200
Barium	mg/L	0.0235	0.0608	0.0840	0.0775	0.120	0.0355	0.301	0.254	0.165
Beryllium	mg/L	0.000517	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.00243	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	0.000645 J	< 0.000300	< 0.000300	< 0.000300	< 0.000300	0.00381	< 0.000300	< 0.000300	0.000500 J
Combined Radium 226 + 228	pCi/L	3.45	2.89	0.959 U	4.15	6.52	2.89	6.57	7.44	8.86
Fluoride	mg/L	0.117	< 0.0330	< 0.0330	< 0.0330	< 0.132	0.567	< 0.165	< 0.0330	< 0.0660
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	< 0.000500	0.000502 J
Lithium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300	< 0.00300	0.00734 J	< 0.00300	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	< 0.000200	< 0.000200	0.0186	0.0689	0.0867	0.00393	0.748	0.0956	0.000321 J
Selenium	mg/L	< 0.00150	< 0.00150	0.00286 J	0.00372 J	< 0.00150	< 0.00150	< 0.00150	0.00655	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Required by Permit										
Vanadium	mg/L	0.0102 J	0.00412 J	0.00780 J	0.00432 J	0.00515 J	0.00484 J	0.00512 J	0.00759 J	0.00480 J
Zinc	mg/L	< 0.00330	0.0185 J	< 0.00330	< 0.00330	< 0.00330	0.0117 J	< 0.00330	< 0.00330	< 0.00330

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
5. 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.
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. Parameters required by permit are Appendix I/II parameters included to meet GA EPD Rule 391-3-4-.14 requirements.

Table 6B
Groundwater Analytical Data Summary - January 2026
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	MW-23D	MW-24D	MW-25D	MW-26D
	Sample Date	01/28/2026	01/28/2026	01/27/2026	01/28/2026
ANALYTE	UNITS				
Appendix III					
Boron	mg/L	0.0367	0.0219	0.0177	0.0195
Calcium	mg/L	7.18	2.34	3.41	2.42
Chloride	mg/L	7.27	5.77	5.82	6.61
Fluoride	mg/L	< 0.0330	< 0.0330	0.155	< 0.0330
pH, Field	SU	5.82	5.69	5.90	5.30
Sulfate	mg/L	19.2	0.157 J	0.309 J	0.381 J
Total Dissolved Solids	mg/L	63.0	44.0	39.0	32.0
Appendix IV					
Antimony	mg/L	< 0.00100	< 0.00100	< 0.00100	< 0.00100
Arsenic	mg/L	< 0.00200	< 0.00200	< 0.00200	< 0.00200
Barium	mg/L	0.0549	0.0287	0.0243	0.0340
Beryllium	mg/L	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Cadmium	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Chromium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Cobalt	mg/L	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Combined Radium 226 + 228	pCi/L	1.85 U	0.718 U	5.11	0.897 U
Fluoride	mg/L	< 0.0330	< 0.0330	0.155	< 0.0330
Lead	mg/L	< 0.000500	< 0.000500	< 0.000500	< 0.000500
Lithium	mg/L	< 0.00300	< 0.00300	< 0.00300	< 0.00300
Mercury	mg/L	< 0.0000670	< 0.0000670	< 0.0000670	< 0.0000670
Molybdenum	mg/L	< 0.000200	0.000879 J	0.000208 J	0.000204 J
Selenium	mg/L	< 0.00150	< 0.00150	< 0.00150	< 0.00150
Thallium	mg/L	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Required by Permit					
Vanadium	mg/L	< 0.00330	< 0.00330	< 0.00330	< 0.00330
Zinc	mg/L	0.0175 J	< 0.00330	0.00556 J	0.00644 J

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
5. 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.
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. Parameters required by permit are Appendix I/II parameters included to meet GA EPD Rule 391-3-4-.14 requirements.

Table 6C
Additional Analytical Data Summary - Clifton Seep
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	Clifton Seep	Clifton Seep
	Sample Date	07/30/2025	01/28/2026
ANALYTE	UNITS		
Total Alkalinity as CaCO3	mg/L	2710	3010
Bicarbonate Alkalinity as CaCO3	mg/L	2710	3010
Carbonate Alkalinity as CaCO3	mg/L	< 7.25	< 7.25
Antimony	mg/L	< 0.0100	< 0.00100
Arsenic	mg/L	< 0.0200	0.00232 J
Barium	mg/L	1.33	1.35
Beryllium	mg/L	< 0.00200	< 0.000200
Boron	mg/L	60.7	52.4
Cadmium	mg/L	< 0.00300	< 0.000300
Calcium	mg/L	99.8	97.5
Chloride	mg/L	185	190
Chromium	mg/L	< 0.0300	0.0143
Cobalt	mg/L	0.00344 J	0.00349
Combined Radium 226 + 228	pCi/L	3.11	2.57
Iron	mg/L	5.00	8.74
Ferrous (II) Iron	mg/L	NA	2.0
Fluoride	mg/L	1.07	1.08
Lead	mg/L	< 0.00500	< 0.000500
Lithium	mg/L	0.653	0.655
Magnesium	mg/L	84.6	75.7
Manganese	mg/L	0.185	0.201
Mercury	mg/L	< 0.000670	< 0.0000670
Methane	ug/L	7140	8950
Molybdenum	mg/L	< 0.00200	0.000986 J
Nitrate	mg/L	1.94 J	< 0.165
Nitrogen, Total Kjeldahl	mg/L	52.0	42.0
Nitrogen, Ammonia	mg/L	32.6	45.2
pH, Field	SU	7.25	7.18
Potassium	mg/L	165	154
Selenium	mg/L	< 0.0150	< 0.00150
Sodium	mg/L	945	1150
Sulfate	mg/L	1.15	1.27
Thallium	mg/L	< 0.00600	< 0.000600
Total Dissolved Solids	mg/L	3640	3880
Total Organic Carbon	mg/L	109	128
Vanadium	mg/L	< 0.0330	0.00495 J
Zinc	mg/L	< 0.0330	0.00361 J

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. NA - Indicates not analyzed
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. 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 6D
Additional Analytical Data Summary
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	GWA-7	GWA-7	GWA-8	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2	GWC-9
	Sample Date	07/28/2025	01/27/2026	01/27/2026	01/27/2026	01/28/2026	01/28/2026	01/27/2026	01/28/2026	01/28/2026
ANALYTE	UNITS									
Total Alkalinity as CaCO3	mg/L	NA	905	4.30	401	58.3	90.4	146	2.20	1.10 J
Bicarbonate Alkalinity as CaCO3	mg/L	NA	905	4.30	401	58.3	90.4	146	2.20	1.10 J
Carbonate Alkalinity as CaCO3	mg/L	NA	< 1.45	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725
Aluminum	mg/L	NA	11.2	0.935	0.633	0.439	1.29	0.291	0.0987	0.451
Antimony, Dissolved	mg/L	< 0.00100	< 0.00100	NA	NA	NA	NA	NA	NA	NA
Arsenic, Dissolved	mg/L	0.00380 J	0.00377 J	NA	NA	NA	NA	NA	NA	NA
Barium, Dissolved	mg/L	0.196	0.213	NA	NA	NA	NA	NA	NA	NA
Beryllium, Dissolved	mg/L	< 0.000200	< 0.000200	NA	NA	NA	NA	NA	NA	NA
Boron, Dissolved	mg/L	8.75	10.6	NA	NA	NA	NA	NA	NA	NA
Cadmium, Dissolved	mg/L	< 0.000300	< 0.000300	NA	NA	NA	NA	NA	NA	NA
Calcium, Dissolved	mg/L	3.51	3.95	NA	NA	NA	NA	NA	NA	NA
Chromium, Dissolved	mg/L	0.0130	0.0145	NA	NA	NA	NA	NA	NA	NA
Cobalt, Dissolved	mg/L	0.00146	0.00139	NA	NA	NA	NA	NA	NA	NA
Iron	mg/L	NA	3.16	4.54	23.6	11.7	9.62	0.135	0.856	6.37
Ferrous (II) Iron	mg/L	NA	1.5	2.5	1.5	1.5	2.0	0.0	2.0	2.5
Lead, Dissolved	mg/L	< 0.000500	< 0.000500	NA	NA	NA	NA	NA	NA	NA
Lithium, Dissolved	mg/L	< 0.00300	< 0.00300	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/L	NA	0.891	3.12	55.5	59.1	7.49	10.6	0.622	2.81
Manganese	mg/L	NA	0.0178	0.0208	0.465	0.526	1.48	0.0802	0.00401 J	0.0453
Mercury, Dissolved	mg/L	< 0.0000670	< 0.0000670	NA	NA	NA	NA	NA	NA	NA
Molybdenum, Dissolved	mg/L	< 0.000200	0.000264 J	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/L	NA	14.5	3.18	31.0	18.6	26.7	8.41	0.602	1.60
Sodium	mg/L	NA	554	30.4	339	98.9	225	10.4	6.91	14.1
Selenium, Dissolved	mg/L	0.00894	0.00908	NA	NA	NA	NA	NA	NA	NA
Thallium, Dissolved	mg/L	< 0.000600	< 0.000600	NA	NA	NA	NA	NA	NA	NA
Vanadium, Dissolved	mg/L	0.150	0.146	NA	NA	NA	NA	NA	NA	NA
Zinc, Dissolved	mg/L	< 0.00330	< 0.00330	NA	NA	NA	NA	NA	NA	NA

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. NA - Indicates not analyzed
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. 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 6D
Additional Analytical Data Summary
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	GWC-11	GWC-12	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
	Sample Date	01/27/2026	01/28/2026	01/28/2026	01/28/2026	01/27/2026	01/28/2026	01/28/2026	01/27/2026	01/28/2026
ANALYTE	UNITS									
Total Alkalinity as CaCO3	mg/L	8.20	< 0.725	6.00	209	391	48.9	20.9	203	119
Bicarbonate Alkalinity as CaCO3	mg/L	8.20	< 0.725	6.00	209	391	48.9	20.9	203	119
Carbonate Alkalinity as CaCO3	mg/L	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725
Aluminum	mg/L	0.546	7.82	0.271	0.0355 J	0.138	1.50	11.9	0.154	0.163
Antimony, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.00100	NA
Arsenic, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	0.290	NA
Barium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	0.293	NA
Beryllium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.000200	NA
Boron, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	16.0	NA
Cadmium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	0.000351 J	NA
Calcium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	260	NA
Chromium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.00300	NA
Cobalt, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.000300	NA
Iron	mg/L	3.35	1.89	1.17	1.72	1.37	1.93	39.9	1.48	0.547
Ferrous (II) Iron	mg/L	2.0	1.5	0.0	2.5	2.5	3.0	2.0	1.5	1.5
Lead, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.000500	NA
Lithium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.00300	NA
Magnesium	mg/L	72.2	20.7	9.54	31.5	21.8	236	81.8	186	67.7
Manganese	mg/L	0.0379	0.113	0.00822	1.04	0.158	0.365	0.398	0.162	0.147
Mercury, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.0000670	NA
Molybdenum, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	0.626	NA
Potassium	mg/L	38.7	13.2	3.68	3.75	13.5	75.2	10.2	38.4	34.4
Sodium	mg/L	219	63.6	2.75	21.4	10.2	145	352	89.6	90.2
Selenium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.00150	NA
Thallium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	< 0.000600	NA
Vanadium, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc, Dissolved	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. NA - Indicates not analyzed
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. 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 6D
Additional Analytical Data Summary
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

	Sample Location	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
	Sample Date	01/28/2026	01/28/2026	01/28/2026	01/27/2026	01/28/2026
ANALYTE	UNITS					
Total Alkalinity as CaCO3	mg/L	3.30	26.0	15.3	16.4	10.7
Bicarbonate Alkalinity as CaCO3	mg/L	3.30	26.0	15.3	16.4	10.7
Carbonate Alkalinity as CaCO3	mg/L	< 0.725	< 0.725	< 0.725	< 0.725	< 0.725
Aluminum	mg/L	3.36	< 0.0193	< 0.0193	< 0.0193	< 0.0193
Antimony, Dissolved	mg/L	NA	NA	NA	NA	NA
Arsenic, Dissolved	mg/L	NA	NA	NA	NA	NA
Barium, Dissolved	mg/L	NA	NA	NA	NA	NA
Beryllium, Dissolved	mg/L	NA	NA	NA	NA	NA
Boron, Dissolved	mg/L	NA	NA	NA	NA	NA
Cadmium, Dissolved	mg/L	NA	NA	NA	NA	NA
Calcium, Dissolved	mg/L	NA	NA	NA	NA	NA
Chromium, Dissolved	mg/L	NA	NA	NA	NA	NA
Cobalt, Dissolved	mg/L	NA	NA	NA	NA	NA
Iron	mg/L	1.00	0.0500 J	2.03	0.413	0.261
Ferrous (II) Iron	mg/L	1.0	0.0	4.0	0.0	0.0
Lead, Dissolved	mg/L	NA	NA	NA	NA	NA
Lithium, Dissolved	mg/L	NA	NA	NA	NA	NA
Magnesium	mg/L	79.6	1.45	0.469	1.05	0.415
Manganese	mg/L	0.0485	0.00375 J	0.0305	0.0101	0.0143
Mercury, Dissolved	mg/L	NA	NA	NA	NA	NA
Molybdenum, Dissolved	mg/L	NA	NA	NA	NA	NA
Potassium	mg/L	43.1	2.77	1.25	1.20	1.65
Sodium	mg/L	197	13.8	6.63	6.66	5.51
Selenium, Dissolved	mg/L	NA	NA	NA	NA	NA
Thallium, Dissolved	mg/L	NA	NA	NA	NA	NA
Vanadium, Dissolved	mg/L	NA	NA	NA	NA	NA
Zinc, Dissolved	mg/L	NA	NA	NA	NA	NA

Notes:
1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. SU - Standard Units
4. NA - Indicates not analyzed
5. < indicates the substance was not detected above the method detection limit (MDL). The value displayed is the MDL.
6. 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
Statistical Method Summary
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

Statistical Method Summary		
Monitoring Well Network	Upgradient Wells	GWA-7 and GWA-8
	Downgradient Wells	GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-2, GWC-9, GWC-11, GWC-12, GWC-13, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
CCR Monitoring Parameters	Appendix III (Detection Monitoring)	Boron, Calcium, Chloride, Fluoride, pH, Sulfate, and Total Dissolved Solids
	Appendix IV (Assessment Monitoring)	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Combined Radium 226 + 228, Fluoride, Lead, Lithium, Mercury, Molybdenum, Selenium, and Thallium
GA EPD Permit Metals	Appendix I (Detection Monitoring)	Antimony, Arsenic, Barium, Chromium, Lead, Selenium, Vanadium, and Zinc
	Appendix II (Assessment Monitoring)	Antimony, Arsenic, Barium, Chromium, Lead, Selenium, Vanadium, and Zinc
Statistical Methodology	Data Screening Proposed Background	Evaluate outliers, trends, and seaonality when sufficient data are available
	Statistical Limits	Interwell statistical limits

Table 8
Summary of Background Levels and GWPS
Georgia Power Company
Grumman Road Private Industrial Landfill
Chatham County, GA

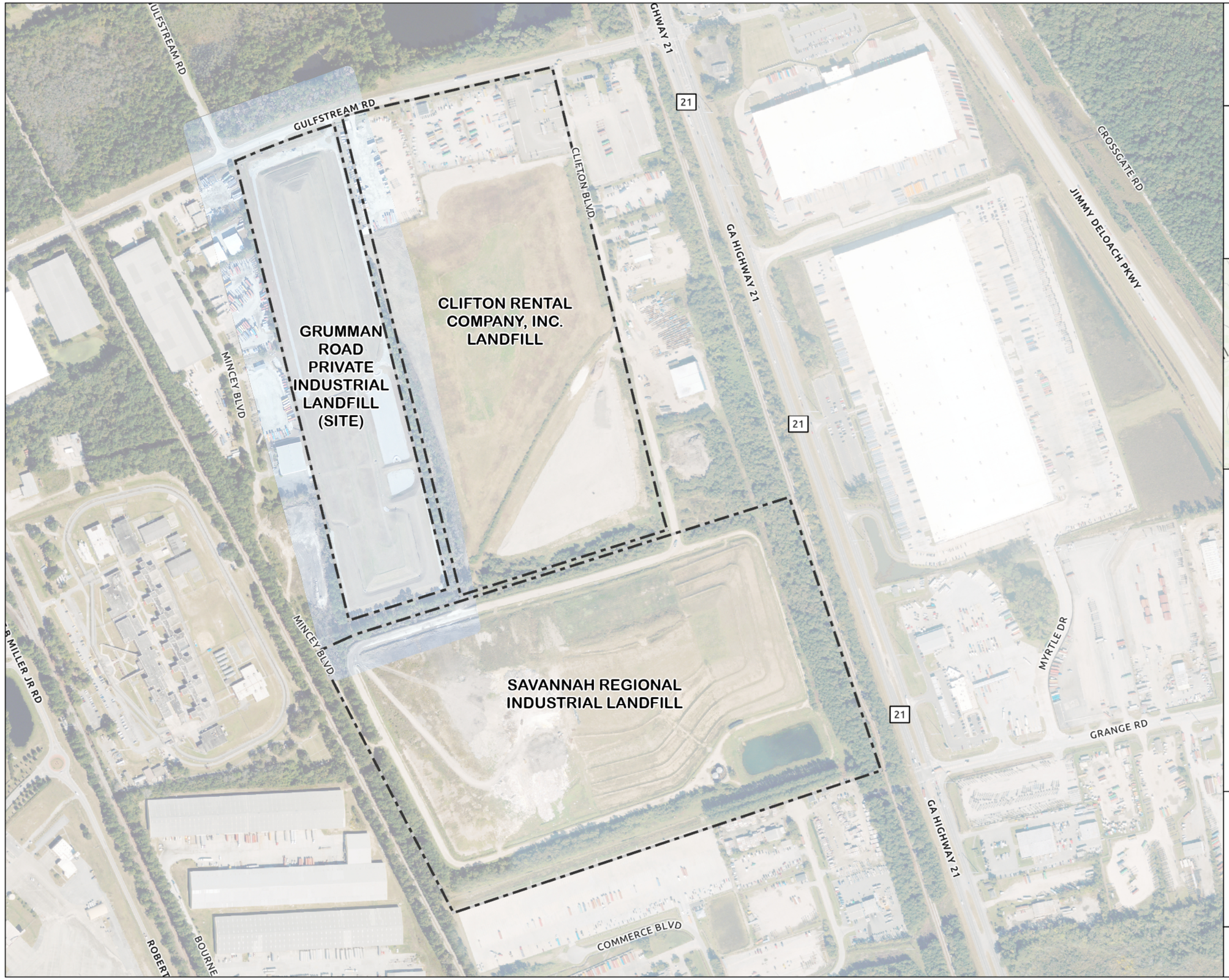
Analyte	Units	EPA MCL	Federal CCR Rule Specified GWPS	Background Level July 2025	GWPS July 2025	Background Level January 2026	GWPS January 2026
Antimony	mg/L	0.006	N/A	0.003	0.006	0.003	0.006
Arsenic	mg/L	0.01	N/A	0.029	0.029	0.029	0.029
Barium	mg/L	2	N/A	0.24	2	0.24	2
Beryllium	mg/L	0.004	N/A	0.0017	0.004	0.0017	0.004
Cadmium	mg/L	0.005	N/A	0.001	0.005	0.001	0.005
Chromium	mg/L	0.1	N/A	0.068	0.1	0.068	0.1
Cobalt	mg/L	N/A	0.006	0.010	0.010	0.010	0.010
Combined Radium 226 + 228	pCi/L	5	N/A	10.85	10.85	10.87	10.87
Fluoride	mg/L	4	N/A	0.49	4	0.49	4
Lead	mg/L	N/A	0.015	0.013	0.015	0.013	0.015
Lithium	mg/L	N/A	0.04	0.01	0.04	0.01	0.04
Mercury	mg/L	0.002	N/A	0.0002	0.002	0.0002	0.002
Molybdenum	mg/L	N/A	0.1	0.0098	0.1	0.0098	0.1
Selenium	mg/L	0.05	N/A	0.044	0.05	0.044	0.05
Thallium	mg/L	0.002	N/A	0.002	0.002	0.002	0.002
Vanadium	mg/L	N/A	N/A	0.24	0.24	0.24	0.24
Zinc	mg/L	N/A	N/A	0.16	0.16	0.16	0.16

Notes:

1. mg/L - milligrams per liter
2. pCi/L - picocuries per liter
3. Background Level = Tolerance limits calculated from pooled upgradient well data through present.
4. MCL = Maximum Contaminant Level, per GA EPD Rule 391-3-5-.18(1)(a).
5. GWPS = Groundwater protection standard, per GA EPD Rule 391-3-4-.10(6)(a).
6. CCR Rule Specified GWPS as stipulated in 40 CFR § 257.95(h)(1-3) and incorporated into GA EPD's CCR Rule 391-3-4-.10(6)(a) on February 22, 2022.
7. N/A = Not applicable per GA EPD Rule 391-3-5-.18(1)(a) or 40 CFR § 257.95(h)(1-3).

FIGURES

Grumman Road Private Industrial Landfill
Chatham County, Georgia
2026 Annual Groundwater Monitoring and Corrective Action Report



Georgia Power

GEORGIA POWER COMPANY
GRUMMAN ROAD
PRIVATE INDUSTRIAL LANDFILL

LEGEND

APPROXIMATE PROPERTY BOUNDARY



NOTES

1. AERIAL IMAGERY PROVIDED BY GEORGIA POWER COMPANY, DECEMBER 2025. ADDITIONAL PHOTOGRAPHY SOURCED FROM USGS EARTH EXPLORER, NAIP DATASET. DATED OCTOBER 17, 2023.
2. PROPERTY BOUNDARY SURVEYED BY GUNNIN LAND SURVEYING ON MARCH 22, 2023.

N

500 250 0 500

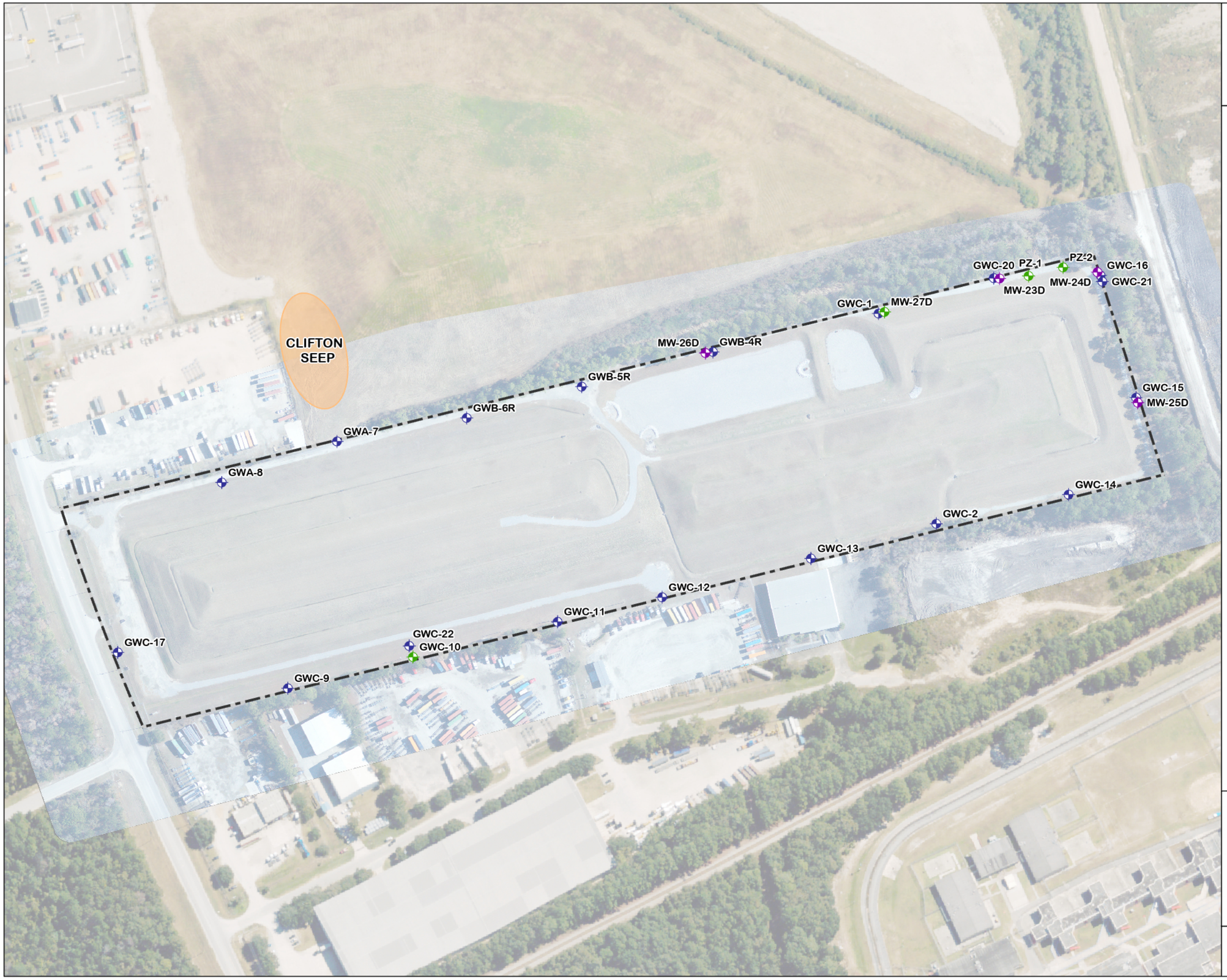
SCALE (IN FEET)

Atlantic Coast Consulting, Inc.

2026 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

SITE LOCATION MAP

FIGURE 1



Georgia Power

GEORGIA POWER COMPANY
GRUMMAN ROAD
PRIVATE INDUSTRIAL LANDFILL

LEGEND

- PROPERTY BOUNDARY
- DETECTION MONITORING WELL
- PIEZOMETER
- ASSESSMENT WELL

NOTES

1. AERIAL IMAGERY PROVIDED BY GEORGIA POWER COMPANY, DECEMBER 2025. ADDITIONAL PHOTOGRAPHY SOURCED FROM USGS EARTH EXPLORER, NAIP DATASET. DATED OCTOBER 17, 2023.
2. PROPERTY BOUNDARY SURVEYED BY GUNNIN LAND SURVEYING ON MARCH 22, 2023.

N

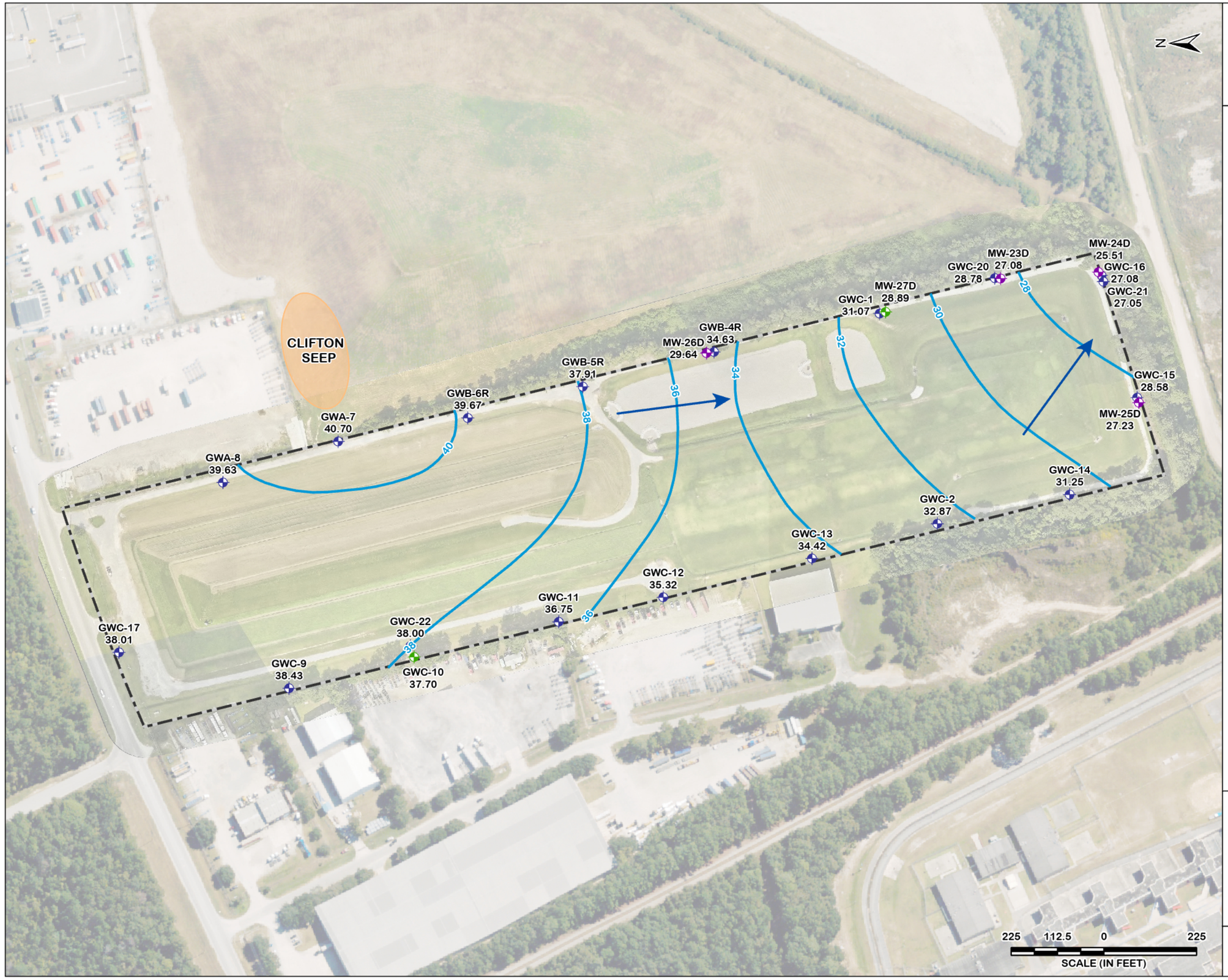
225 112.5 0 225
SCALE (IN FEET)

ATLANTIC COAST CONSULTING, INC.

2026 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WELL LOCATION MAP

FIGURE 2



Georgia Power

GEORGIA POWER COMPANY
GRUMMAN ROAD
PRIVATE INDUSTRIAL LANDFILL

LEGEND

- PROPERTY BOUNDARY
- POTENTIOMETRIC SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION
- DETECTION MONITORING WELL
- PIEZOMETER
- ASSESSMENT WELL

NOTES

1. AERIAL IMAGERY PROVIDED BY GEORGIA POWER COMPANY, JUNE 2025. ADDITIONAL PHOTOGRAPHY SOURCED FROM USGS EARTH EXPLORER, NAIP DATASET. DATED OCTOBER 17, 2023.
2. PROPERTY BOUNDARY SURVEYED BY GUNNIN LAND SURVEYING ON MARCH 22, 2023.
3. PIEZOMETERS AND ASSESSMENT WELLS NOT USED TO CALCULATE POTENTIOMETRIC SURFACE.
4. GROUNDWATER ELEVATIONS MEASURED ON JULY 28, 2025.

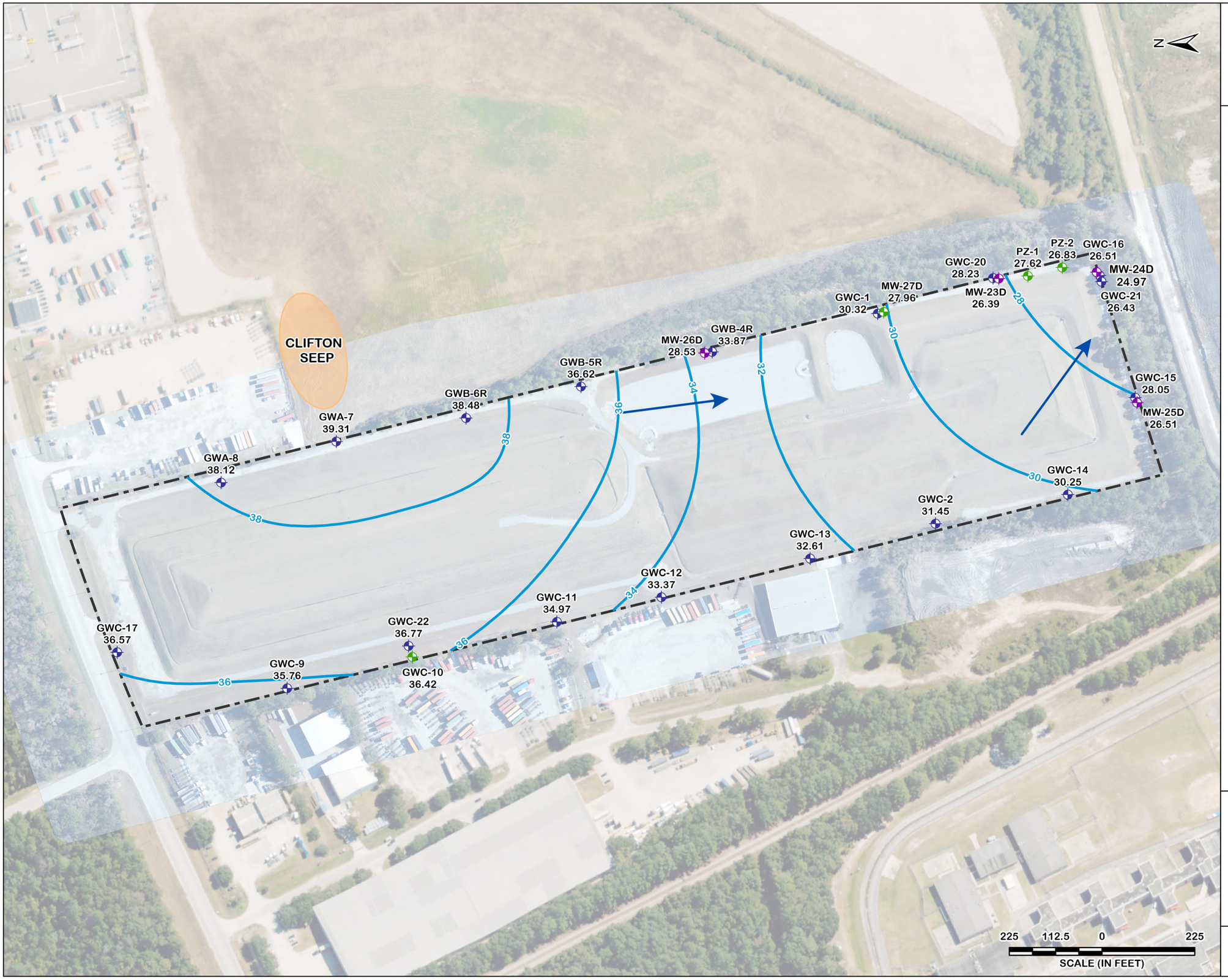
RYAN K. WALKER
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 2378

Atlantic Coast Consulting, Inc.

2026 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC SURFACE CONTOUR MAP - JULY 2025

FIGURE 3A



Georgia Power

GEORGIA POWER COMPANY
GRUMMAN ROAD
PRIVATE INDUSTRIAL LANDFILL

LEGEND

- PROPERTY BOUNDARY
- POTENTIOMETRIC SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION
- DETECTION MONITORING WELL
- PIEZOMETER
- ASSESSMENT WELL

NOTES

1. AERIAL IMAGERY PROVIDED BY GEORGIA POWER COMPANY, DECEMBER 2025. ADDITIONAL PHOTOGRAPHY SOURCED FROM USGS EARTH EXPLORER, NAIP DATASET. DATED OCTOBER 17, 2023.
2. PROPERTY BOUNDARY SURVEYED BY GUNNIN LAND SURVEYING ON MARCH 22, 2023.
3. PIEZOMETERS AND ASSESSMENT WELLS NOT USED TO CALCULATE POTENTIOMETRIC SURFACE.
4. GROUNDWATER ELEVATIONS MEASURED ON JANUARY 26, 2026.

RYAN K. WALKER
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 2378

Atlantic Coast Consulting, Inc.

2026 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC SURFACE CONTOUR MAP - JANUARY 2026

FIGURE 3B



LEGEND:

- Site Parcel Boundary
- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- SRIL Well
- **GWC-15** **Well ID**
  0.325 **Arsenic Concentration**
- Groundwater Flow Direction
- Groundwater Contour (feet NAVD88)
- Arsenic Isoconcentration Contour

NOTES:

1. Aerial imagery (July 2024) provided by Georgia Power Company. Imagery supplemented by basemap data: Esri 2025.
2. Projection: North American Datum of 1983 (NAD83) State Plane Georgia East FIPS 1001 Feet
3. Arsenic and groundwater elevation data are from the July 2025 sampling event. Groundwater contours were provided by Atlantic Coast Consulting, Inc. (Figure 3).
4. SRIL arsenic data (wells GWA-6 and GWA-12B) are from the SRIL August 2025 semiannual sampling event. (Civil and Environmental Consultants 2025)
5. Concentrations are reported in mg/L.
6. The groundwater protection standard for arsenic is 0.029 mg/L and represents a site-specific background value.
7. The groundwater protection standard was calculated using data through the July 2025 sampling event.
8. Monitoring well MW-23D, MW-24D, MW-25D, and MW-26D are screened in the deep flow zone; therefore, were not used to draw the isocontour.
9. Piezometers may be sampled as needed for constituent specific site characterization.

<: Indicates the substance was not detected above the relevant laboratory method detection limit.
J: Indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
mg/L: milligram per liter
NAVD88: North American Vertical Datum of 1988
SRIL: Savannah Regional Industrial Landfill

0 250
Feet
Map Scale = 1:3,000

Publish Date: 2026/01/08, 12:03 PM | User: thartmann
Report Title: 2025 Semiannual Groundwater Monitoring and Corrective Action Report

ANCHOR QEA

Figure 4a
Isoconcentration Map: Arsenic – July 2025
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Grumman Road Private Industrial Landfill, Port Wentworth, Georgia



LEGEND:

- Site Parcel Boundary
- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- SRIL Well
- **GWC-15** **Well ID**
  0.041 **Molybdenum Concentration**
- Groundwater Flow Direction
- Groundwater Contour (feet NAVD88)
- Molybdenum Isoconcentration Contour

NOTES:

1. Aerial imagery (July 2024) provided by Georgia Power Company. Imagery supplemented by basemap data: Esri 2025.
2. Projection: North American Datum of 1983 (NAD83) State Plane Georgia East FIPS 1001 Feet
3. Molybdenum and groundwater elevation data are from the July 2025 sampling event. Groundwater contours were provided by Atlantic Coast Consulting, Inc. (Figure 3).
4. Concentrations are reported in mg/L.
5. The groundwater protection standard for molybdenum is 0.1 mg/L.
6. Monitoring well MW-23D, MW-24D, MW-25D, and MW-26D are screened in the deep flow zone; therefore, were not used to draw the isocontour.
7. Piezometers may be sampled as needed for constituent specific site characterization.
8. Molybdenum is not required to be analyzed for in SRIL monitoring wells; therefore, no data are available.

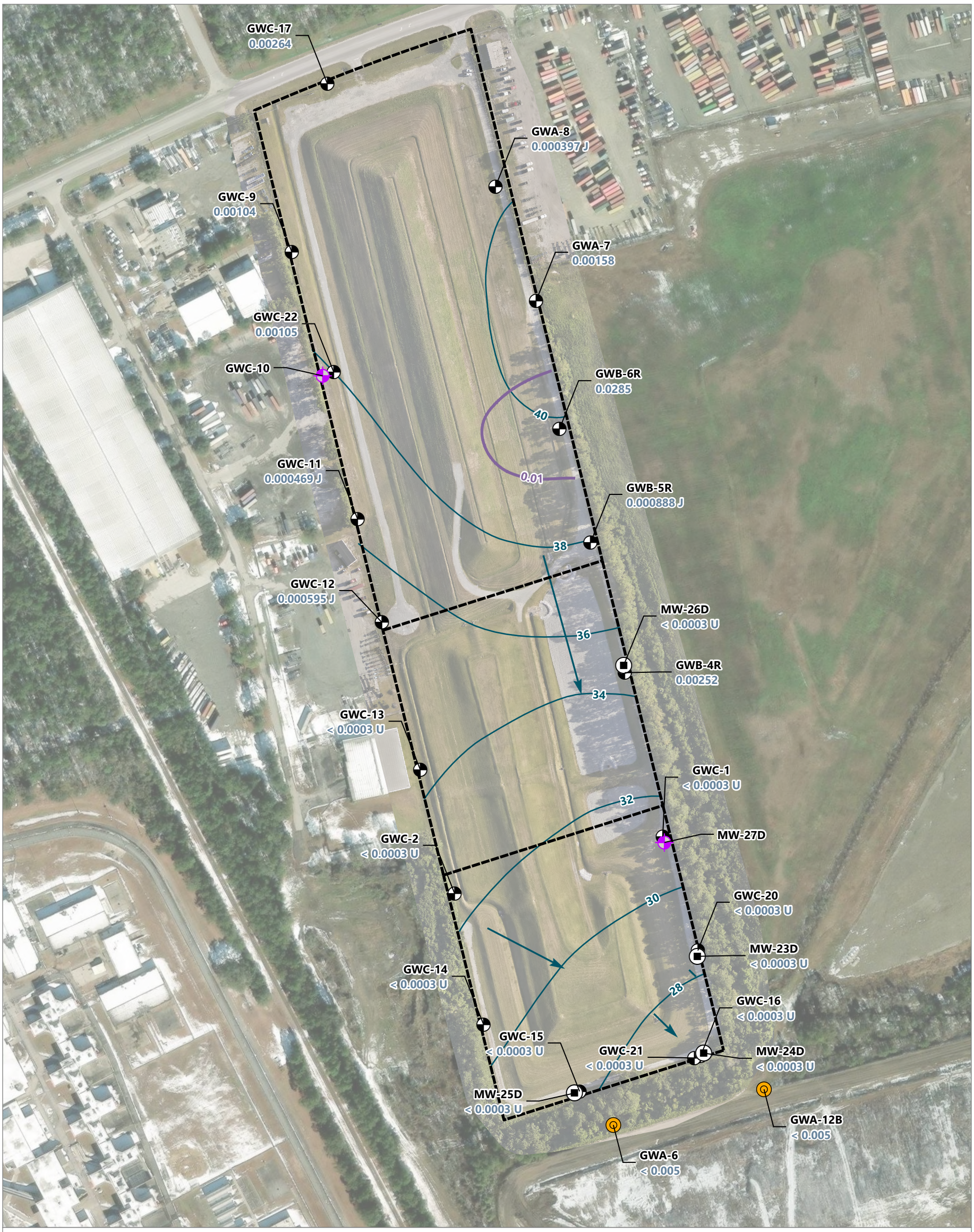
<: Indicates the substance was not detected above the relevant laboratory method detection limit.
J: Indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
mg/L: milligram per liter
NAVD88: North American Vertical Datum of 1988
NM: not measured
SRIL: Savannah Industrial Regional Landfill

0 250
Feet
Map Scale = 1:3,000

Publish Date: 2026/01/08, 12:02 PM | User: thartmann
Report Title: 2025 Semiannual Groundwater Monitoring and Corrective Action Report

ANCHOR QEA

Figure 4b
Isoconcentration Map: Molybdenum – July 2025
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Grumman Road Private Industrial Landfill, Port Wentworth, Georgia



LEGEND:

- Site Parcel Boundary
- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- SRIL Well
- **GWC-15** (Well ID) / < 0.0003 U (Cobalt Concentration)
- Groundwater Flow Direction
- Groundwater Contour (feet NAVD88)
- Cobalt Isoconcentration Contour

NOTES:

1. Aerial imagery (July 2024) provided by Georgia Power Company. Imagery supplemented by basemap data: Esri 2025.
2. Projection: North American Datum of 1983 (NAD83) State Plane Georgia East FIPS 1001 Feet
3. Cobalt and groundwater elevation data are from the July 2025 sampling event. Groundwater contours were provided by Atlantic Coast Consulting, Inc. (Figure 3).
4. SRIL cobalt data (wells GWA-6 and GWA-12B) are from the SRIL August 2025 semiannual sampling event. (Civil and Environmental Consultants 2025)
5. Concentrations are reported in mg/L.
6. The groundwater protection standard for cobalt is 0.01 mg/L and represents a site-specific background value.
7. The groundwater protection standard was calculated using data through the July 2025 sampling event.
8. Monitoring well MW-23D, MW-24D, MW-25D, and MW-26D are screened in the deep flow zone; therefore, were not used to draw the isocontour.
9. Piezometers may be sampled as needed for constituent specific site characterization.

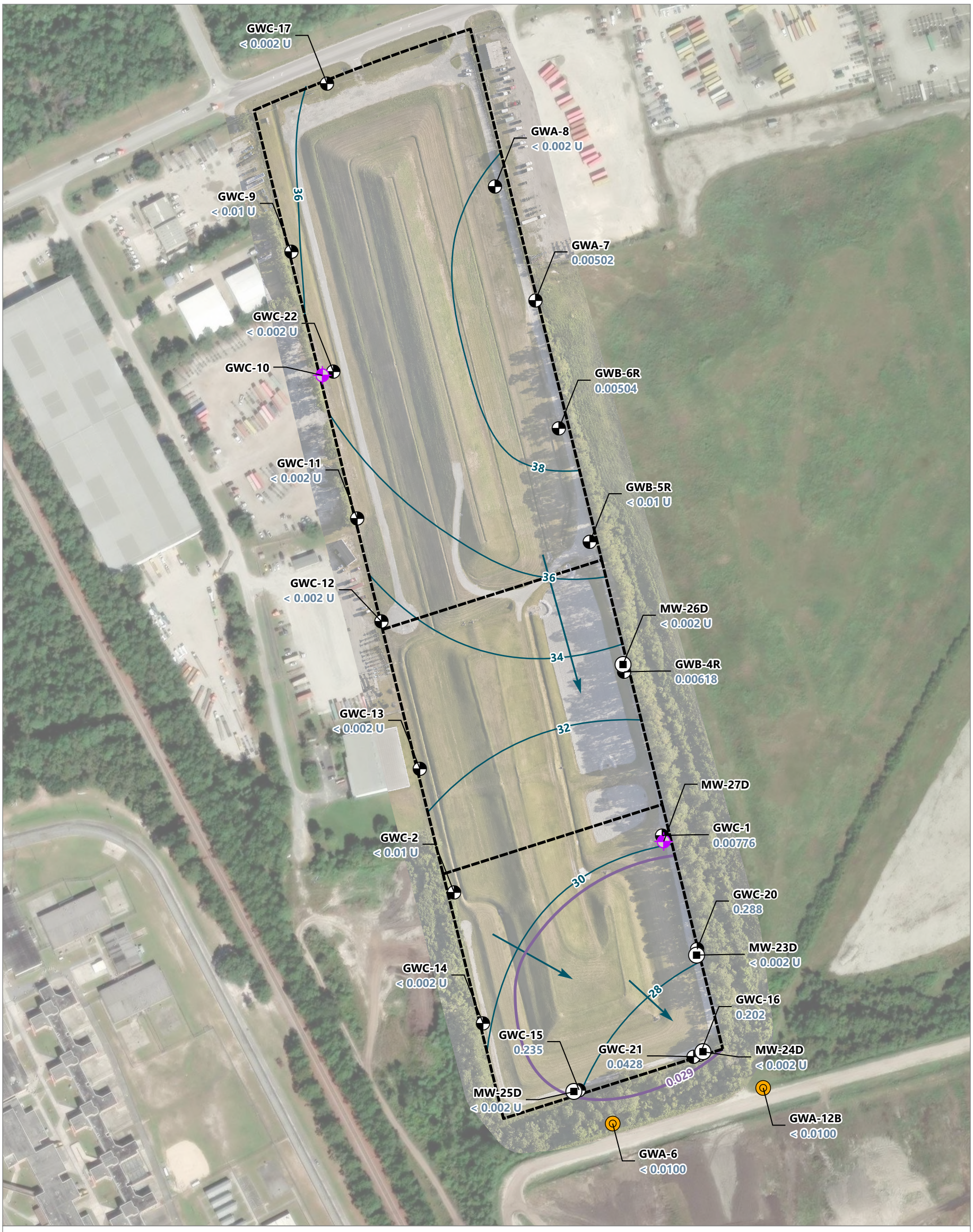
<: Indicates the substance was not detected above the relevant laboratory method detection limit.
J: Indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
mg/L: milligram per liter
NAVD88: North American Vertical Datum of 1988
SRIL: Savannah Regional Industrial Landfill

0 250
Feet
Map Scale = 1:3,000

Publish Date: 2026/01/08, 3:55 PM | User: thartmann
Report Title: 2025 Semiannual Groundwater Monitoring and Corrective Action Report

ANCHOR QEA

Figure 4c
Isoconcentration Map: Cobalt – July 2025
2025 Semiannual Groundwater Monitoring and Corrective Action Report
Grumman Road Private Industrial Landfill, Port Wentworth, Georgia



LEGEND:

- Site Parcel Boundary
- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- SRIL Well
- **GWC-15** **Well ID**
  0.235 **Arsenic Concentration**
- Groundwater Flow Direction
- Groundwater Contour (feet NAVD88)
- Arsenic Isoconcentration Contour

NOTES:

1. Aerial imagery (July 2024) provided by Georgia Power Company. Imagery supplemented by basemap data: Esri 2025.
2. Projection: North American Datum of 1983 (NAD83) State Plane Georgia East FIPS 1001 Feet
3. Arsenic and groundwater elevation data are from the January 2026 sampling event. Groundwater contours were provided by Atlantic Coast Consulting, Inc. (Figure 3).
4. SRIL arsenic data (wells GWA-6 and GWA-12B) are from the SRIL February 2026 semiannual sampling event (Civil and Environmental Consultants 2026).
5. Concentrations are reported in mg/L.
6. The groundwater protection standard for arsenic is 0.029 mg/L and represents a site-specific background value.
7. The groundwater protection standard was calculated using data through the January 2026 sampling event.
8. Monitoring well MW-23D, MW-24D, MW-25D, and MW-26D are screened in the deep flow zone; therefore, were not used to draw the isocontour.
9. Piezometers may be sampled as needed for constituent specific site characterization.

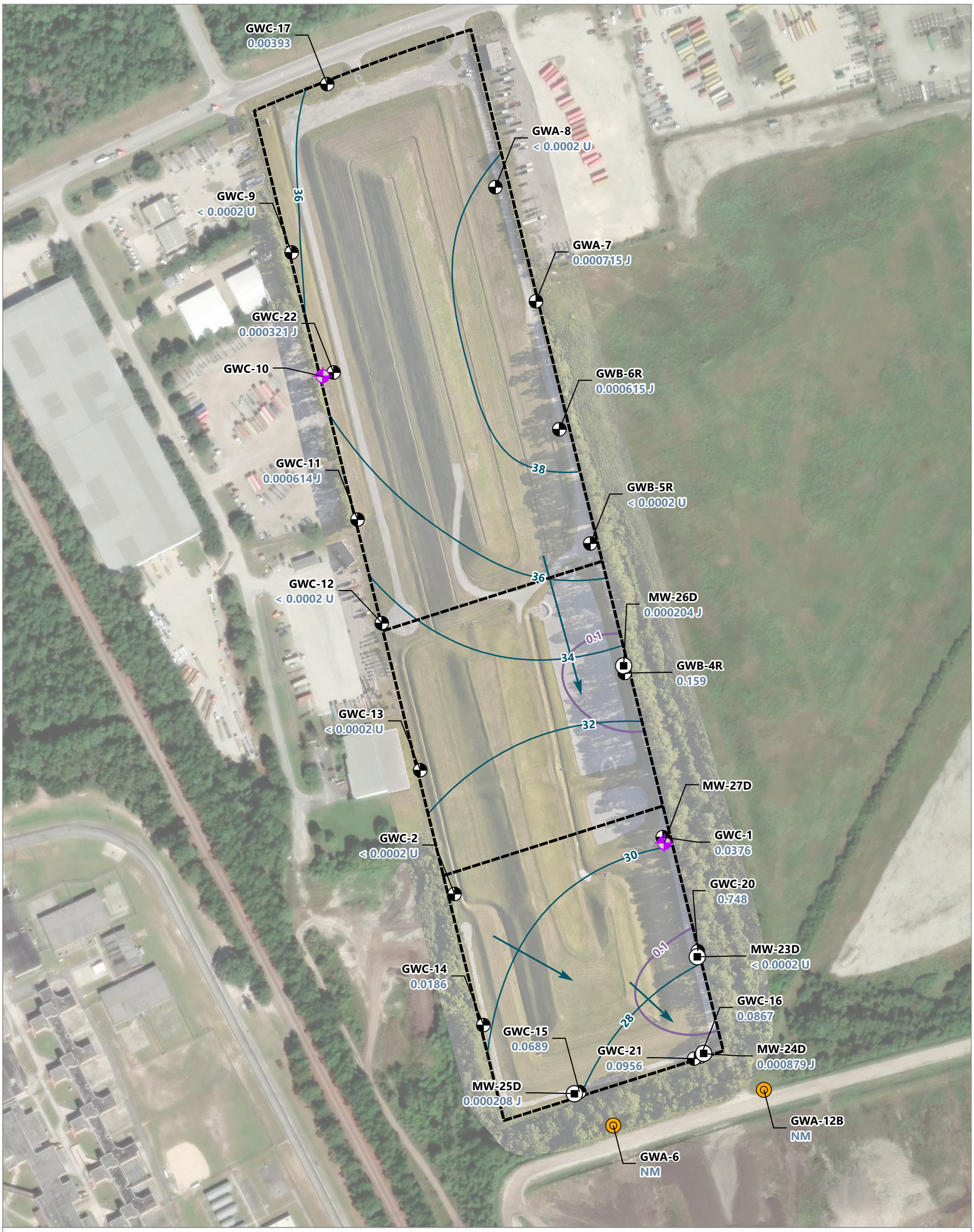
<: Indicates the substance was not detected above the relevant laboratory method detection limit.
J: Indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
mg/L: milligram per liter
NAVD88: North American Vertical Datum of 1988
SRIL: Savannah Regional Industrial Landfill

0 250
Feet
Map Scale = 1:3,000

Publish Date: 2026/06/03, 10:07 AM | User: thartmann
Report Title: 2025 Semiannual Groundwater Monitoring and Corrective Action Report

ANCHOR QEA

Figure 5a
Isoconcentration Map: Arsenic – January 2026
2026 Annual Groundwater Monitoring and Corrective Action Report
Grumman Road Private Industrial Landfill, Port Wentworth, Georgia



LEGEND:

- Site Parcel Boundary
- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- SRIL Well
- **GWC-15** **Well ID**
  0.0689 **Molybdenum Concentration**
- Groundwater Flow Direction
- Groundwater Contour (feet NAVD88)
- Molybdenum Isoconcentration Contour

NOTES:

1. Aerial imagery (July 2024) provided by Georgia Power Company. Imagery supplemented by basemap data: Esri 2025.
2. Projection: North American Datum of 1983 (NAD83) State Plane Georgia East FIPS 1001 Feet
3. Molybdenum and groundwater elevation data are from the January 2026 sampling event. Groundwater contours were provided by Atlantic Coast Consulting, Inc. (Figure 3).
4. Concentrations are reported in mg/L.
5. The groundwater protection standard for molybdenum is 0.1 mg/L.
6. Monitoring well MW-23D, MW-24D, MW-25D, and MW-26D are screened in the deep flow zone; therefore, were not used to draw the isocontour.
7. Piezometers may be sampled as needed for constituent specific site characterization.
8. Molybdenum is not required to be analyzed for in SRIL monitoring wells; therefore, no data are available.

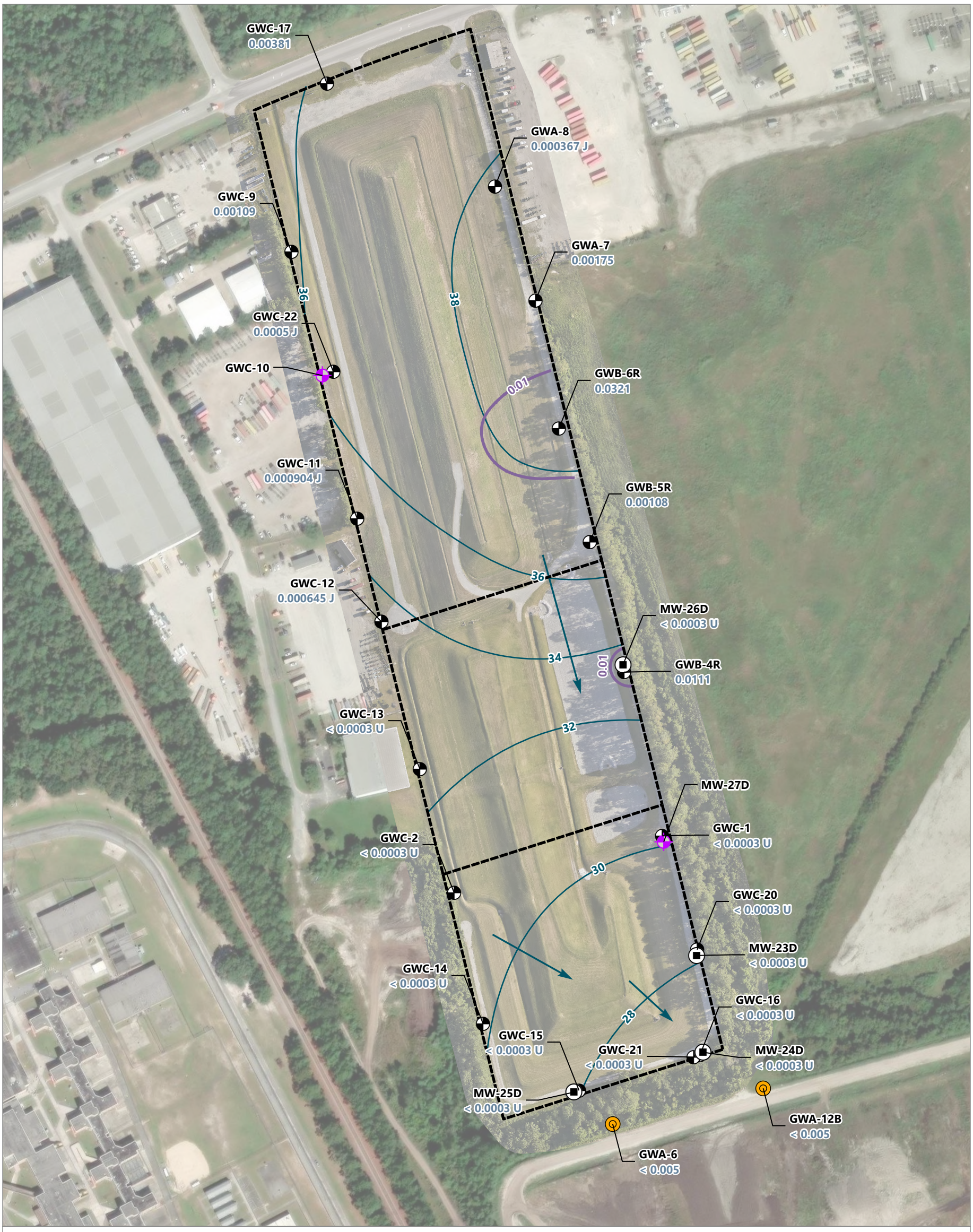
<: Indicates the substance was not detected above the relevant laboratory method detection limit.
J: Indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
mg/L: milligram per liter
NAVD88: North American Vertical Datum of 1988
NM: not measured
SRIL: Savannah Industrial Regional Landfill

0 250
Feet
Map Scale = 1:3,000

Publish Date: 2026/06/02, 1:11 PM | User: thartmann
Report Title: 2025 Semiannual Groundwater Monitoring and Corrective Action Report

ANCHOR QEA

Figure 5b
Isoconcentration Map: Molybdenum – January 2026
2026 Annual Groundwater Monitoring and Corrective Action Report
Grumman Road Private Industrial Landfill, Port Wentworth, Georgia



LEGEND:

- Site Parcel Boundary
- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- SRIL Well
- **GWC-15** **Well ID**
  < 0.0003 U **Cobalt Concentration**
- Groundwater Flow Direction
- Groundwater Contour (feet NAVD88)
- Cobalt Isoconcentration Contour

NOTES:

1. Aerial imagery (July 2024) provided by Georgia Power Company. Imagery supplemented by basemap data: Esri 2025.
2. Projection: North American Datum of 1983 (NAD83) State Plane Georgia East FIPS 1001 Feet
3. Cobalt and groundwater elevation data are from the January 2026 sampling event. Groundwater contours were provided by Atlantic Coast Consulting, Inc. (Figure 3).
4. SRIL cobalt data (wells GWA-6 and GWA-12B) are from the SRIL February 2026 semiannual sampling event (Civil and Environmental Consultants 2026).
5. Concentrations are reported in mg/L.
6. The groundwater protection standard for cobalt is 0.01 mg/L and represents a site-specific background value.
7. The groundwater protection standard was calculated using data through the January 2026 sampling event.
8. Monitoring well MW-23D, MW-24D, MW-25D, and MW-26D are screened in the deep flow zone; therefore, were not used to draw the isocontour.
9. Piezometers may be sampled as needed for constituent specific site characterization.

<: Indicates the substance was not detected above the relevant laboratory method detection limit.
J: Indicates the substance was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed is qualified by the laboratory as an estimated number.
mg/L: milligram per liter
NAVD88: North American Vertical Datum of 1988
SRIL: Savannah Regional Industrial Landfill

0 250
Feet
Map Scale = 1:3,000

Publish Date: 2026/06/03, 10:07 AM | User: thartmann
Report Title: 2025 Semiannual Groundwater Monitoring and Corrective Action Report

ANCHOR QEA

Figure 5c
Isoconcentration Map: Cobalt – January 2026
2026 Annual Groundwater Monitoring and Corrective Action Report
Grumman Road Private Industrial Landfill, Port Wentworth, Georgia

Atlantic Coast Consulting, Inc.

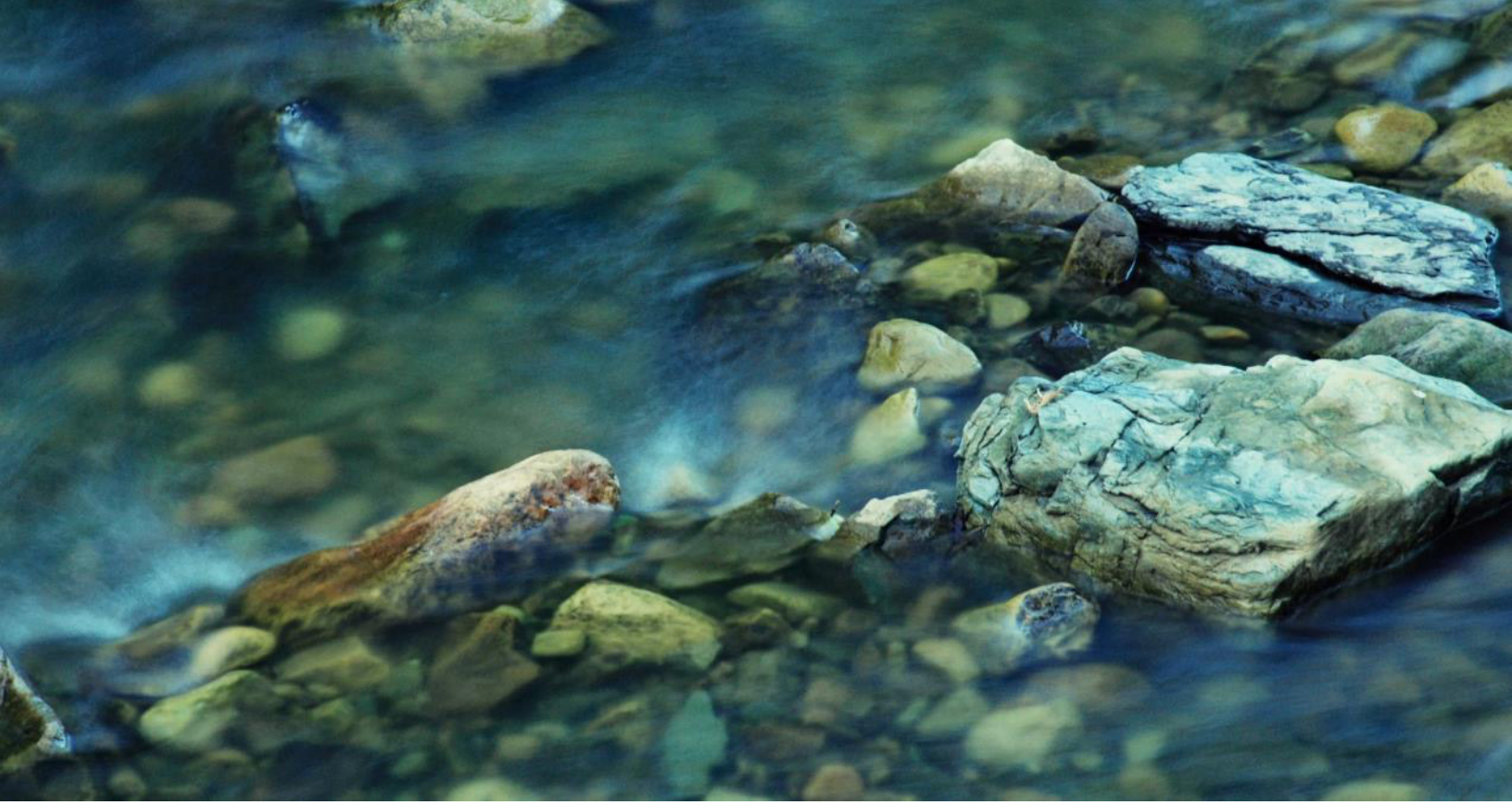
APPENDICES

Grumman Road Private Industrial Landfill
Chatham County, Georgia
2026 Annual Groundwater Monitoring and Corrective Action Report

APPENDIX A

Piezometer Installation Report

Grumman Road Private Industrial Landfill
Chatham County, Georgia
2026 Annual Groundwater Monitoring and Corrective Action Report



March 2026
Grumman Road Private Industrial Landfill

ANCHOR QEA

Well Design, Installation, and Development Report

Prepared for Georgia Power Company

March 2026
Grumman Road Private Industrial Landfill

Well Design, Installation, and Development Report

Prepared for
Georgia Power Company
214 Ralph McGill Boulevard NE
Atlanta, Georgia 30308

Prepared by
Anchor QEA
9783 Timber Circle
Daphne, Alabama 36527

Project Number: 221114-09.01

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1 Introduction 1

2 Drilling and Well Installation 2

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TABLE

Table 1 Summary of Well Construction Details

FIGURE

Figure 1 Monitoring Well and Piezometer Network Map

APPENDICES

Appendix A Well Driller Performance Bonds

Appendix B Boring and Well Construction Logs

Appendix C Well Development Forms

Appendix D Certified Well Survey Data

ABBREVIATIONS

ASTM	ASTM International
CCR	coal combustion residuals
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
NAVD88	North American Vertical Datum of 1988
PG	Professional Geologist
PVC	polyvinyl chloride
Site	Grumman Road Private Industrial Landfill

CERTIFICATION

I, Alexander Paul Macbeth, am a Professional Geologist (PG) and licensed in the State of Georgia. I hereby certify that this *Well Design, Installation, and Development Report* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist, in accordance with the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management. By affixing my professional seal and signature, I hereby acknowledge that this report has been prepared in conformance with the U.S. Environmental Protection Agency Coal Combustion Residuals Rule (40 Code of Federal Regulations 257 Subpart D) and the GA EPD Rules for Solid Waste Management 391-3-4-.10.



Alexander Paul Macbeth, PG (Georgia)
Georgia Professional Geologist No. 1027
Date: March 13, 2026

1 Introduction

Georgia Power Company's (Georgia Power's) Grumman Road Private Industrial Landfill (Site) is located in Chatham County, just north of Savannah, Georgia. The Site is a permitted industrial landfill, owned and operated by Georgia Power, which was previously used for the disposal of coal combustion residuals (CCR) from Georgia Power's Plant Kraft. The Site consists of four parcels—A, B1, B2, and B3—comprising approximately 33 acres (Figure 1). This report documents the installation and development of two new piezometers, KRA-PZ-1 and KRA-PZ-2, that were installed as part of a pre-design investigation at the Site. These newly installed piezometers are located in the southeastern portion of the Site, as shown on Figure 1.

2 Drilling and Well Installation

Well installation and development activities were performed according to accepted industry standards and following guidelines within the U.S. Environmental Protection Agency, Region 4, Science and Ecosystem Support Division Operating Procedure for *Design and Installation of Monitoring Wells* (USEPA 2018). Well drilling, installation, and surface completion activities were performed by GeoLabs Drilling in Dacula, Georgia, under subcontract to Anchor QEA. 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. Anchor QEA and Southern Company Services Civil Field Services personnel provided oversight of the drilling and installation efforts. A certified Professional Geologist registered to practice in the State of Georgia, employed with Anchor QEA, documented the drilling and installation efforts to record observations, soil descriptions, subsurface stratigraphy, groundwater elevations, and other field activities.

Piezometers KRA-PZ-1 and KRA-PZ-2 were installed and completed in December 2025. The locations of these wells are shown on Figure 1. Well construction details are provided in Table 1; boring and well construction logs are included in Appendix B. Lithologic descriptions for each piezometer correspond to descriptions documented during drilling for nearby boring locations KRA-DPT-3 and KRA-DPT-5 (Figure 1).

2.1 Drilling Method

The boreholes for the piezometers were advanced using 4.25-inch-inside-diameter hollow stem augers. The diameters of the boreholes are approximately 8 inches. A track-mounted Geoprobe 7822DT drill rig was used to advance the borings and install the wells. Care was taken so the drilling methods did not introduce contamination of the groundwater from surface activities.

2.2 Screened Interval

Details regarding well's screened intervals are provided in Table 1. Wells are screened in the uppermost water bearing unit of the Site. The wells are screened from approximately 12 to 22 feet elevation (referenced to the North American Vertical Datum of 1988 [NAVD88]). All wells are constructed with a 9.8-foot well screen segment.

2.3 Well Casing and Screens

The wells are constructed of 2-inch-inner-diameter Schedule 40 polyvinyl chloride (PVC) casing and screen with flush-threaded fittings. The wells were installed with a 9.8-foot well screen with 0.01-inch slots. The casing and screen arrived pre-cleaned and packaged by the manufacturer. Well construction materials are sufficiently durable to resist chemical and physical degradation and do not

interfere with the quality of groundwater samples. The casing and screen are flush-threaded. Solvent or glue was not used to construct the wells. A threaded bottom cap (0.4 feet in length) was attached to the bottom of the screen. The PVC products used were ASTM International (ASTM) and National Sanitation Foundation rated. Details regarding well screened intervals 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 water level measurement; 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 screen was filled to minimize passage of formation materials into the well. A filter pack of clean, well-rounded, quartz sand was installed in the 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

Quartz sand manufactured by Southern Silica Products and Silica Company was used as the filter pack material for the well. The filter pack material meets the ASTM D5092 uniformity coefficient specification of 2.5 or less, with a uniformity coefficient of 1.5.

Filter pack material was placed in the annular space between the outside of the screen and the borehole wall to ensure an adequate thickness of filter pack material between the well 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 screen extended a minimum of 2 feet above the top of screen. No bridging occurred during filter pack placement. The depths of top of filter pack were measured and recorded in the well construction logs provided in Appendix B.

2.6 Annular Seal

A minimum of 2 feet of bentonite coated 3/8-inch pellets were placed immediately above the filter pack by gravity-pouring into the annular space and hydrated per manufacturer's specifications. In cases where the bentonite seal extended above the estimated water table surface, the bentonite was hydrated with potable water for a duration meeting the manufacturer's specifications prior to grouting the remaining annulus.

The annulus above the bentonite seal was grouted with bentonite grout placed via tremie pipe (initial grouting) and direct pour methods (for topping off) from the top of the bentonite seal. During grouting, care was taken to ensure 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 2 feet by 2 feet by 4 inches was poured around the wells. The pads were mounded slightly outward to direct surface drainage away from the wells.

2.7 Cap and Protective Casing

The well risers were fitted with a locking cap and a lockable cover. A 1/4-inch vent hole was drilled into the PVC riser pipe to provide an avenue for the escape of gas. The protective cap guards the casing from damage, and the locking cap serves as a security device to prevent well tampering. Riprap boulders were placed around the edges of the concrete pads to protect the wells.

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.

3 Well Development

The wells were developed by GeoLabs Drilling using a combination of surging and pumping to restore the natural hydraulic conductivity of the formation and to remove fine-grained sediment to ensure low-turbidity groundwater samples. The wells were purged until visually clear of particulates. Turbidity, pH, specific conductivity, and oxidation-reduction potential measurements were recorded to ensure each well was fully developed, and field parameters were stabilized. Development of wells KRA-PZ-1 and KRA-PZ-2 was conducted on December 17, 2025. The well development field logs are included in Appendix C.

4 Survey

Upon completion of the well installations, horizontal locations and vertical elevations were surveyed on December 18, 2025, by Gunnin Survey, a Georgia-licensed surveyor, and certified on December 23, 2025. The top of the PVC well casings [top of casing elevations] and ground surface were surveyed to within 0.1-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 with the vertical elevation recorded in feet relative to NAVD88. Certified survey data are provided in the well construction table (Table 1). A copy of the certified well survey data for the wells is provided in Appendix D.

5 References

USEPA (U.S. Environmental Protection Agency), 2018. *Design and Installation of Monitoring Wells*. Science and Ecosystem Support Division, Athens, Georgia, Operating Procedure. SESDGUID-101-R2. January 16, 2018.

Table

Table 1
Summary of Well Construction Details

Well ID	Installation Date	Northing (NAD83)	Easting (NAD83)	Top of Casing Elevation (feet NAVD88)	Ground Surface Elevation[1] (feet NAVD88)	Stick-Up (feet)	Total Depth (feet BGS)	Bottom Elevation (NAVD88)	Depth to Top of Screen (feet BGS)	Top of Screen Elevation (NAVD88)	Depth to Bottom of Screen (feet BGS)	Bottom of Screen Elevation (NAVD88)	Hydraulic Location or Purpose
Piezometers Installed During Pre-Design Investigation													
KRA-PZ-1	12/16/2025	779209.29	960961.90	50.04	46.77	3.3	35.0	11.8	24.8	22.0	34.6	12.2	Piezometer
KRA-PZ-2	12/16/2025	779125.68	960982.75	49.75	46.56	3.2	35.0	11.6	24.8	21.8	34.6	12.0	Piezometer

Notes:

The wells were surveyed by Gunnin Land Surveying, LLC. The pre-design investigation piezometers were surveyed in December 2025 (see Appendix D).

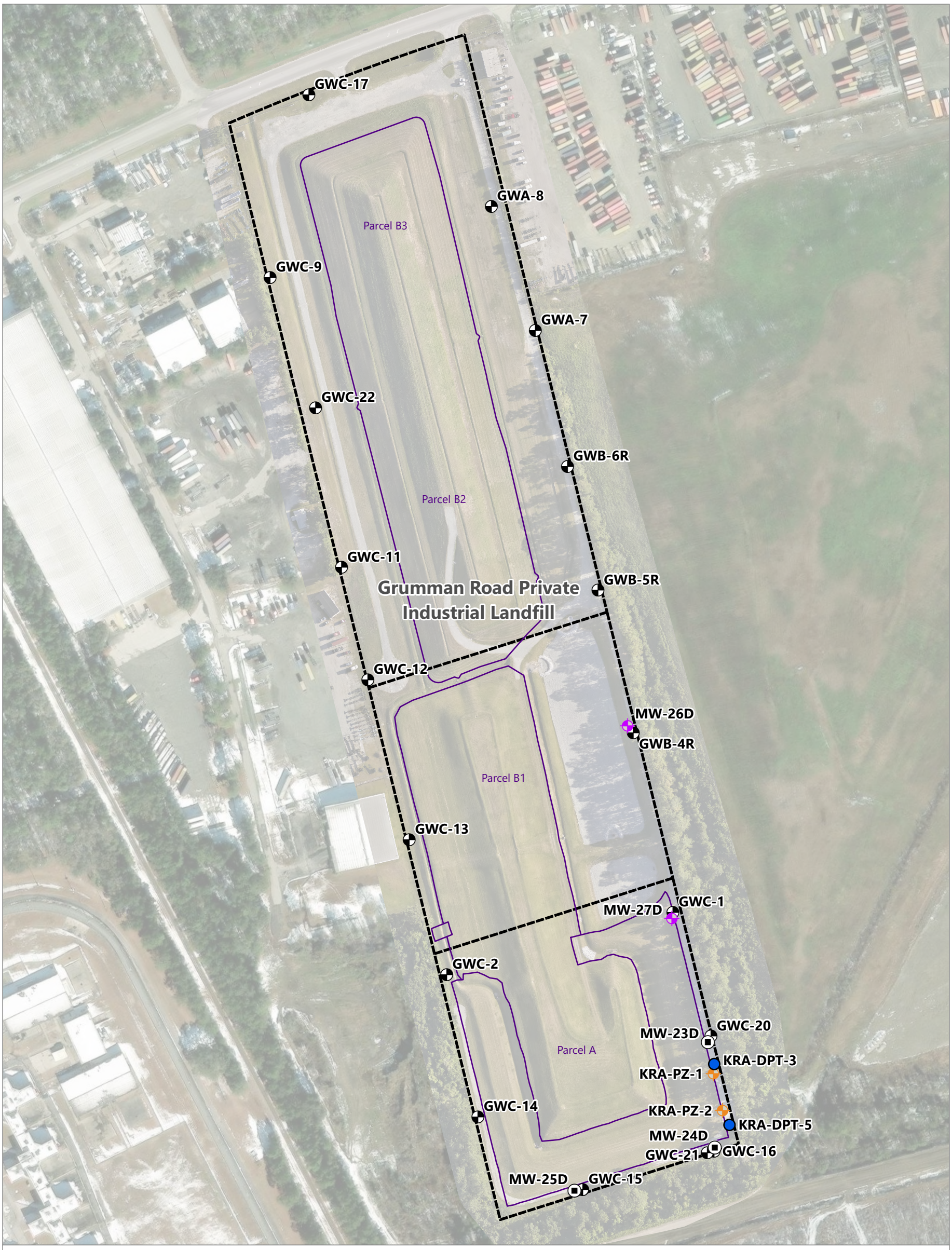
1. Ground surface elevation measured at nail or known reference point on surface concrete pad or well vault/well cover

BGS: below ground surface

NAD83: North American Datum of 1983—State Plane Coordinate System of Georgia-East Zone

NAVD88: North American Vertical Datum of 1988

Figure



LEGEND:

- Site Parcel Boundary
- Edge of Liner
- Detection Monitoring Well
- Assessment Monitoring Well
- Piezometer
- Newly Installed Piezometer (December 2025)
- Newly Advanced DPT Boring (December 2025)

NOTES:

1. Aerial imagery (July 2024) provided by Georgia Power Company.
Imagery supplemented by basemap data: Esri 2025.
2. Projection: North American Datum of 1983 (NAD83) State Plane Georgia East FIPS 1001 Feet
3. The edge of liner extent was taken from draft permit drawings.

DPT: direct-push technology

0 200
Feet

Map Scale = 1:2,700

Publish Date: 2026/02/24, 3:54 PM | User: thartmann
Report Title: Well Design, Installation, and Development Report

ANCHOR QEA

Figure 1
Monitoring Well and Piezometer Network Map
Well Design, Installation, and Development Report
Grumman Road Private Industrial Landfill, Port Wentworth, Georgia

Appendix A
Well Driller Performance Bonds

CONTINUATION CERTIFICATE

In consideration of premium charged,

HARTFORD INSURANCE COMPANY OF THE MIDWEST hereby has in force:

Bond No 20BSBIQ4088 dated MAY 7TH, 2025 in the amount of THIRTY THOUSAND DOLLARS AND 00/*100--------($30,000.00)* on behalf of JOE GRANTHAM # 627 DBA GEO LAB INC., in favor of STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES / EDP for the period beginning on JUNE 30TH, 2025 and ending on JUNE 30TH, 2027 subject to all the terms and conditions of said bond; PROVIDED that the liability of HARTFORD INSURANCE COMPANY OF THE MIDWEST shall not exceed in aggregated amount above written, whether the loss shall have occurred during the term of said bond or during any continuation or continuations thereof, or partly during said term and partly during any continuation or continuations thereof.

Signed and sealed this 7TH day of MAY 2025.

HARTFORD INSURANCE COMPANY OF THE MIDWEST

By: _____
SHONI TRAMMELL
ATTORNEY-IN-FACT

POWER OF ATTORNEY

Direct Inquiries, Bond Authenticity and Claims to:
THE HARTFORD
BOND, T-14
One Hartford Plaza
Hartford, Connecticut 06155
Bond.Claims@thehartford.com
call: **888-266-3488** *or fax:* **860-757-5835**

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Name: AMERICAN SURETY BONDS AGENCY LLC
Agency Code: 20-269624

- ☐ **Hartford Fire Insurance Company**, a corporation duly organized under the laws of the State of Connecticut
- ☐ **Hartford Casualty Insurance Company**, a corporation duly organized under the laws of the State of Indiana
- ☐ **Hartford Accident and Indemnity Company**, a corporation duly organized under the laws of the State of Connecticut
- ☒ **Hartford Insurance Company of the Midwest**, a corporation duly organized under the laws of the State of Indiana

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint
Shoni Trammell

its true and lawful Attorney-in-Fact, to sign its name as surety(ies) only as delineated above by, and to execute, seal and acknowledge the following bond, undertaking, contract or written instrument:
Bond No. 20BSBIQ4088
Naming JOE GRANTHAM #627 DBA GEO LAB, INC. as Principal,
and STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES as Obligee,
in the amount of See Bond Form(s) on behalf of Company in its business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 23, 2016 the Companies have caused these presents to be signed by its Assistant Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.

Phyllis A. Clark, Assistant Secretary

Joelle L. LaPierre, Assistant Vice President

STATE OF FLORIDA
COUNTY OF SEMINOLE } ss. Lake Mary

On this 1st day of March, 2024, before me personally came Joelle L. LaPierre, to me known, who being by me duly sworn, did depose and say: that (s)he resides in Seminole County, State of Florida; that (s)he is the Assistant Vice President of the Companies, the corporations described in and which executed the above instrument; that (s)he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that (s)he signed his/her name thereto by like authority.

Mariluz Arce
My Commission HH 287363
Expires July 13, 2026

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of May 7, 2025.

Signed and sealed in Lake Mary, Florida.

Keith D. Dozois, Assistant Vice President

Appendix B
Boring and Well Construction Logs

BORING NUMBER KRA-PZ-1

CLIENT Southern Company Services
PROJECT NAME (NUMBER) Grumman Road PDI (221114-09.01)
NORTHING, EASTING 779209.29, 960961.9
PROJECT LOCATION Savannah, Georgia
DATE STARTED 12/16/25 **COMPLETED** 12/16/25
GROUND ELEVATION 46.8 ft NAVD88 **HOLE SIZE** 8 in.
DRILLING CONTRACTOR Geolab Drilling
GROUND WATER LEVELS:
DRILLING METHOD 7822 DT Geoprobe--4.25 in. HSA
▽ **AT TIME OF DRILLING** 20.0 ft / Elev 26.8 ft
LOGGED BY Alec Macbeth **CHECKED BY** Taylor Arrowood
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
0				No lithologic descriptions were obtained during advancement of the boring for piezometer KRA-PZ-1. See boring log for KRA-DPT-3, which is located about 20 feet to the north.	
5					
10					
15					
20			▽		
25					
30					

GEN BH/TP/WELL 021510 W/O CONDITION GRUMMAN DPT BORING LOGS_202512.GPJ GINT US.GDT 2/17/26

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

BORING NUMBER KRA-PZ-1

CLIENT Southern Company Services **PROJECT NAME (NUMBER)** Grumman Road PDI (221114-09.01)

NORTHING, EASTING 779209.29, 960961.90 **PROJECT LOCATION** Savannah, Georgia

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
30				No lithologic descriptions were obtained during advancement of the boring for piezometer KRA-PZ-1. See boring log for KRA-DPT-3, which is located about 20 feet to the north. *(continued)*	
35			35.0		11.8

Boring terminated at 35.0 feet BGS.

GEN BH/TP/WELL 021510 W/O CONDITION GRUMMAN DPT BORING LOGS_202512.GPJ GINT US.GDT 2/17/26

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

BORING NUMBER KRA-PZ-2

CLIENT Southern Company Services
PROJECT NAME (NUMBER) Grumman Road PDI (221114-09.01)
NORTHING, EASTING 779125.68, 960982.75
PROJECT LOCATION Savannah, Georgia
DATE STARTED 12/16/25 **COMPLETED** 12/16/25
GROUND ELEVATION 46.6 ft NAVD88 **HOLE SIZE** 8 in.
DRILLING CONTRACTOR Geolab Drilling
GROUND WATER LEVELS:
DRILLING METHOD 7822 DT Geoprobe--4.25 in. HSA
▽ **AT TIME OF DRILLING** 20.0 ft / Elev 26.6 ft
LOGGED BY Alec Macbeth **CHECKED BY** Taylor Arrowood
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
0				No lithologic descriptions were obtained during advancement of the boring for piezometer KRA-PZ-2. See boring log for KRA-DPT-5, which is located about 35 feet to the south.	
5					
10					
15					
20			▽		
25					
30					

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

GEN BH/TP/WELL 021510 W/O CONDITION GRUMMAN DPT BORING LOGS_202512.GPJ GINT US.GDT 2/17/26

CLIENT Southern Company Services **PROJECT NAME (NUMBER)** Grumman Road PDI (221114-09.01)

NORTHING, EASTING 779125.68, 960982.75 **PROJECT LOCATION** Savannah, Georgia

DEPTH (ft)	SAMPLE TYPE	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
30				No lithologic descriptions were obtained during advancement of the boring for piezometer KRA-PZ-2. See boring log for KRA-DPT-5, which is located about 35 feet to the south. *(continued)*	
35			35.0		11.6

Boring terminated at 35.0 feet BGS.

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

BORING NUMBER KRA-DPT-3

CLIENT Southern Company Services
PROJECT NAME (NUMBER) Grumman Road PDI (221114-09.01)
NORTHING, EASTING 779231.1, 960963.59
PROJECT LOCATION Savannah, Georgia
DATE STARTED 12/17/25 **COMPLETED** 12/17/25
GROUND ELEVATION 46.7 ft NAVD88 **HOLE SIZE** 3 in.
DRILLING CONTRACTOR Geolab Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push - Geoprobe 7822DT
AT TIME OF DRILLING 20.0 ft / Elev 26.7 ft
LOGGED BY Alec Macbeth **CHECKED BY** Taylor Arrowood
AT END OF DRILLING ---
NOTES 5-foot by 1.5-inch diameter DPT core
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	REMARKS	USCS Symbol	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
0			Hand auger from 0 to 5 feet bgs			2.0	Road bed, mostly gravel	44.7
5	AU 1	100		SP			@~2' Dark brown (7.5YR 3/2) POORLY GRADED SAND (SP), mostly fine sand, trace silt, dry @~3' Reddish yellow (7.5YR, 6/6), predominantly quartz grains	
10	DP 2	70		SP			@~8' Strong brown (7.5YR, 5/6) @~9' Reddish yellow (7.5YR, 6/6; gradational)	
15	DP 3	63		SP		14.0		32.7
20	DP 4	80	@~18' approxinmately 1-inch zone of iron nodules (Fe-cemented sand)	SP-SM		18.3	@~14' Reddish yellow (7.5YR, 6/6), POORLY GRADED SAND WITH SILT (SP-SM), mostly fine sand, few to little silt, dry	28.4
				SM		20.5 ▽	@~18.3' Light yellowish brown (10 YR, 6/4), SILTY SAND (SM), mostly fine sand, little to some silts, moist	26.2
25	DP 5	90	Low hydraulic conductivity zone ~18 to 24 feet bgs? High hydraulic conductivity zone ~24 to 34 feet bgs; seems homogeneous except for fines layer at ~30 feet bgs	ML		22.5	@~20.5' Dark yellowish brown (10 YR, 4/4), SANDY SILT (ML), mostly silt, some fine sand, wet	24.2
				CL		24.4	@~22.5' Dark yellowish brown (10YR, 4/4), LEAN CLAY WITH SAND (CL), mostly clay, little silt and fine sand, wet	22.3
30	DP 6	100	Slight increase in	SP-SM SP		30.0	@~23.5' Grayish brown (10YR, 5/2), POORLY GRADED SAND WITH SILT (SP-SM), mostly fine sand, few silt, moist @~25' Light gray (10YR, 7/2), mostly fine sand, few to little silt, wet	16.7

GEN BH/TP/WELL 021510 W/O CONDITION GRUMMAN DPT BORING LOGS_202512.GPJ GINT US.GDT 2/17/26

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

BORING NUMBER KRA-DPT-3

CLIENT Southern Company Services **PROJECT NAME (NUMBER)** Grumman Road PDI (221114-09.01)

NORTHING, EASTING 779231.1, 960963.59 **PROJECT LOCATION** Savannah, Georgia

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	REMARKS	USCS Symbol	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
30								
	DP 7	100	reddish color indicative of presence of iron?	CL		30.5	@~30' Gray (10YR, 6/1), SANDY LEAN CLAY (CL), mostly clay, some fine sand, low to moderate plasticity, wet.	16.2
				SP		34.6	@~30.5' Yellowish brown (10YR, 5/6), POORLY GRADED SAND (SP), mostly fine sand, trace to few silt, wet	12.1
35				SC		35.0	@~34.6' Light brownish gray (10YR, 6/2), CLAYEY SAND (SC), mostly fine sand, little silt and clay, moderate plasticity	11.7
							Boring terminated at 35.0 feet BGS.	

GEN BH/TP/WELL 021510 W/O CONDITION GRUMMAN DPT BORING LOGS_202512.GPJ GINT US.GDT 2/17/26

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

BORING NUMBER KRA-DPT-5

CLIENT Southern Company Services
PROJECT NAME (NUMBER) Grumman Road PDI (221114-09.01)
NORTHING, EASTING 779093.67, 960998.09
PROJECT LOCATION Savannah, Georgia
DATE STARTED 12/12/25 **COMPLETED** 12/12/25
GROUND ELEVATION 46.8 ft NAVD88 **HOLE SIZE** 3 in.
DRILLING CONTRACTOR Geolab Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push - Geoprobe 7822DT
AT TIME OF DRILLING 20.0 ft / Elev 26.8 ft
LOGGED BY Alec Macbeth **CHECKED BY** Taylor Arrowood
AT END OF DRILLING ---
NOTES 5-foot by 1.5-inch diameter DPT core
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	REMARKS	USCS Symbol	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
0			Hand auger from 0 to 5 feet bgs			2.0	Road bed, mostly gravel	44.8
5	AU 1	100		SP			@~2' Dark brown (7.5YR 3/2) POORLY GRADED SAND (SP), mostly fine sand, trace silt, dry @~3' Reddish yellow (7.5YR, 6/6)	
10	DP 2	70		SP SP SP			@~8' Very pale brown (10YR, 7/3) @~9' Yellow (10YR, 7/6)	
15	DP 3	74		SP SP SP		14.5	@~10' Very pale brown (10YR, 8/4), clean quartz @~13' Trace to few silt @~14' Brownish yellow (10YR, 6/6)	32.3
20	DP 4	70		SP-SM		19.5	@~14.5 Yellowish brown (10YR, 5/4), POORLY GRADED SAND WITH SILT (SP-SM), mostly fine sand, little silt, dry, poorly developed laminae	27.3
25	DP 5	70	Low hydraulic conductivity zone ~20 to 24 feet bgs?	SP SP-SM ML		19.8 20.0 24.0	@~19.5 Very pale brown (10YR, 8/2), POORLY GRADED SAND (SP), mostly fine sand, trace medium sand and silt, dry @~19.8 Dark brown, mottled, oxidized zone, POORLY GRADED SAND WITH SILT (SP-SM), mostly fine sand, little silt, moist, poorly developed laminae @~20' Yellowish brown (10YR, 5/4), SILT (ML), mostly silt, trace fine sand, no plasticity, moist to wet	27.0 26.8 22.8
30	DP 6	60	High hydraulic conductivity zone ~25 to 32 feet bgs; seems homogeneous	SP SM SP SP		24.2 24.5	@~24' Very pale brown (10YR, 7/3), POORLY GRADED SAND (SP), mostly fine sand, trace medium sand, moist @~24.2' Dark gray, SILTY SAND (SM), mostly fine sand, little to some silt @24.5' Light gray (10YR, 7/2), POORLY GRADED SAND (SP), mostly fine sand, trace medium sand and silt, clean quartz, sparse black grains, moist to wet @~29' few silt	22.6 22.3

GEN BH/TP/WELL 021510 W/O CONDITION GRUMMAN DPT BORING LOGS_202512.GPJ GINT US.GDT 2/17/26

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

CLIENT Southern Company Services **PROJECT NAME (NUMBER)** Grumman Road PDI (221114-09.01)

NORTHING, EASTING 779093.67, 960998.09 **PROJECT LOCATION** Savannah, Georgia

DEPTH (ft)	SAMPLE TYPE	RECOVERY %	REMARKS	USCS Symbol	GRAPHIC LOG	Contact Depth (ft)	MATERIAL DESCRIPTION	Elevation (ft)
30							@~29' few silt *(continued)*	
	DP 7	70		SP			@~32' to ~35' Several 2-inch layers of light brownish gray (10YR, 6/2), CLAYEY SAND (SC), mostly fine sand, little silt and clay, moderate plasticity within matrix of the POORLY GRADED SAND	
35				SP			@~35' Very pale brown (10YR, 7/3), mostly fine sand, trace to few silt, wet, quartz	
	DP 8	50		SP			@~38 little medium sand, increase grading	
40				SP			@~40' Light brownish gray (10YR, 6/2), mostly fine and medium sand, trace to few silt, argillaceous ("dirty") sand	
	DP 9	80		SP				
45				SP		45.0	@~44.5' mostly medium sand, some fine sand	1.8
							Boring terminated at 45.0 feet BGS.	

GEN BH/TP/WELL 021510 W/O CONDITION GRUMMAN DPT BORING LOGS_202512.GPJ GINT US.GDT 2/17/26

Notes: USCS = Unified Soil Classification System; BGS = Below Ground Surface; All groundwater level readings taken from top of casing.

MONITORING WELL CONSTRUCTION DATA

DATE:	12/16/2025	CLIENT:	Southern Company Services	PROJECT NO:	Grumman Road PDI 22114-09.01

WELL/BORING NO: KRA-PZ-1

PROJECT NAME: Grumman Road PDI

ADDRESS: 125 Gulf Stream Road
Savannah, Georgia

WELL CONTRACTOR: GeoLab Drilling

STATE PLANE COORDINATES:

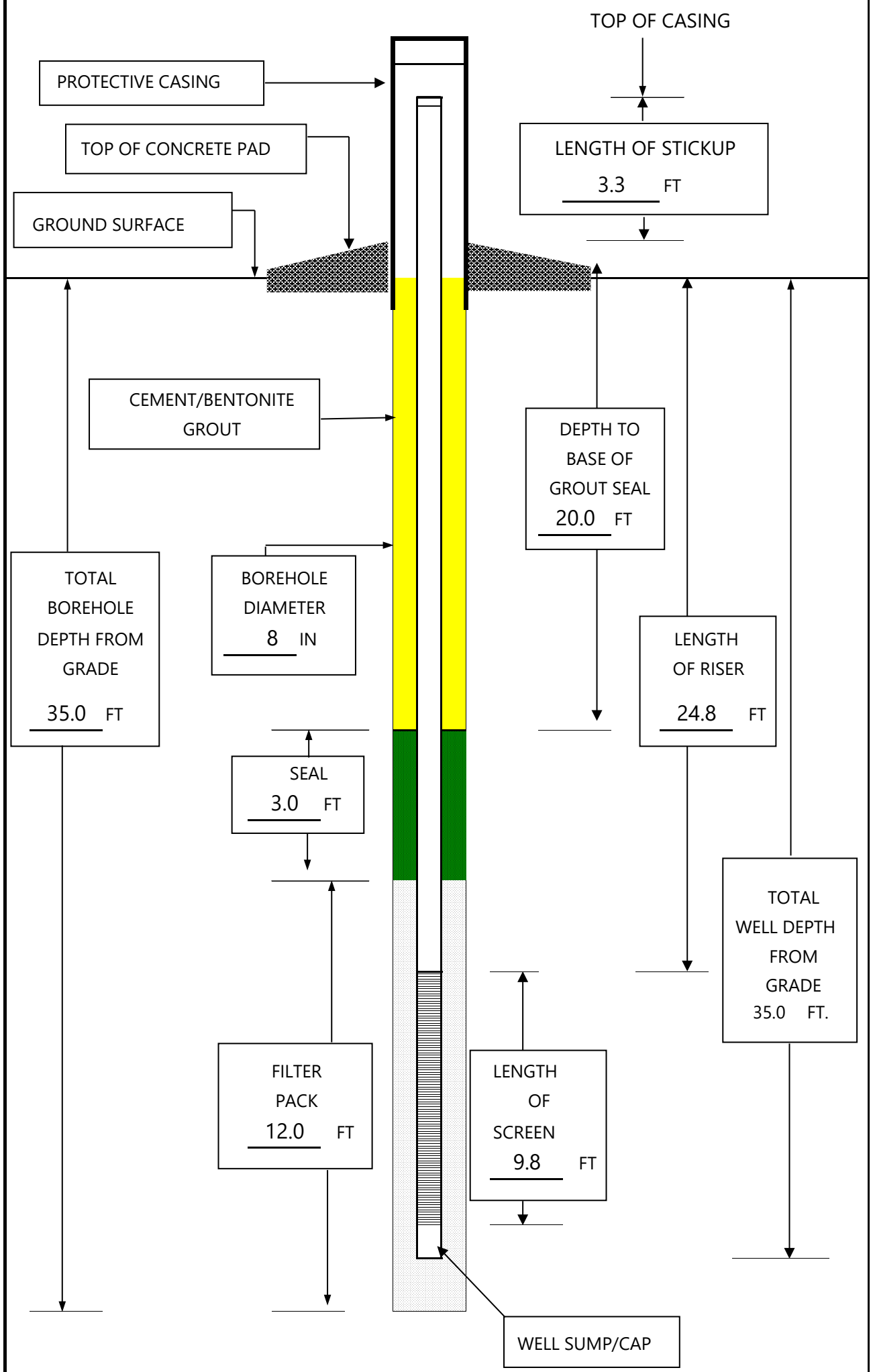
NORTH 779209.29

EAST 960961.90

GROUND SURFACE ELEVATION: 46.8

TOP OF CASING ELEVATION: 50.04

WELL SCHEMATIC



ALL ELEVATIONS ARE IN FEET NAVD88

CONSTRUCTION DATA

CASING INFORMATION

MATERIAL: ■ PVC ☐ STAINLESS ☐ CARBON
☐ OTHER

DIAMETER: ■ 2 IN ☐ 4 IN ☐ 6 IN
☐ OTHER ____ IN

JOINTS: ■ THREADED ☐ WELDED
☐ SCREWED ☐ COUPLED
☐ OTHER

SCHEDULE:

SCREEN INFORMATION

MATERIAL: ■ PVC
☐ STAINLESS
☐ TEFLON
☐ OTHER

DIAMETER: ■ 2 IN
☐ 4 IN
☐ 6 IN
☐ ____ IN

SLOT: ■ 0.010
☐ 0.020
☐ OTHER ____ IN

CENTRALIZER: ☐ YES ■ NO

SHOW LOCATION OF CENTRALIZER(S) ON SCHEMATIC

FILTER PACK MATERIAL

20/40 SAND ☐
OTHER ■ #2 (7x35 mesh)

SECONDARY FILTER PACK MATERIAL

SUGAR SAND ☐
OTHER ■ None

BENTONITE WELL SEAL

☐ 1/2-IN PELLETS
■ 1/4-IN PELLETS
☐ CHIPS
☐ OTHER

SURFACE PROTECTION

CONCRETE PAD: ☐ 3×3 FT
☐ 4×4 FT
■ OTHER 2 x 2 FT

WELL SUMP/CAP

■ YES
☐ NO
LENGTH 0.4 FT

MONITORING WELL CONSTRUCTION DATA

DATE:	12/16/2025	CLIENT:	Southern Company Services	PROJECT NO:	Grumman Road PDI 22114-09.01

WELL/BORING NO: KRA-PZ-2

PROJECT NAME: Grumman Road PDI

ADDRESS: 125 Gulf Stream Road
Savannah, Georgia

WELL CONTRACTOR: GeoLab Drilling

STATE PLANE COORDINATES:

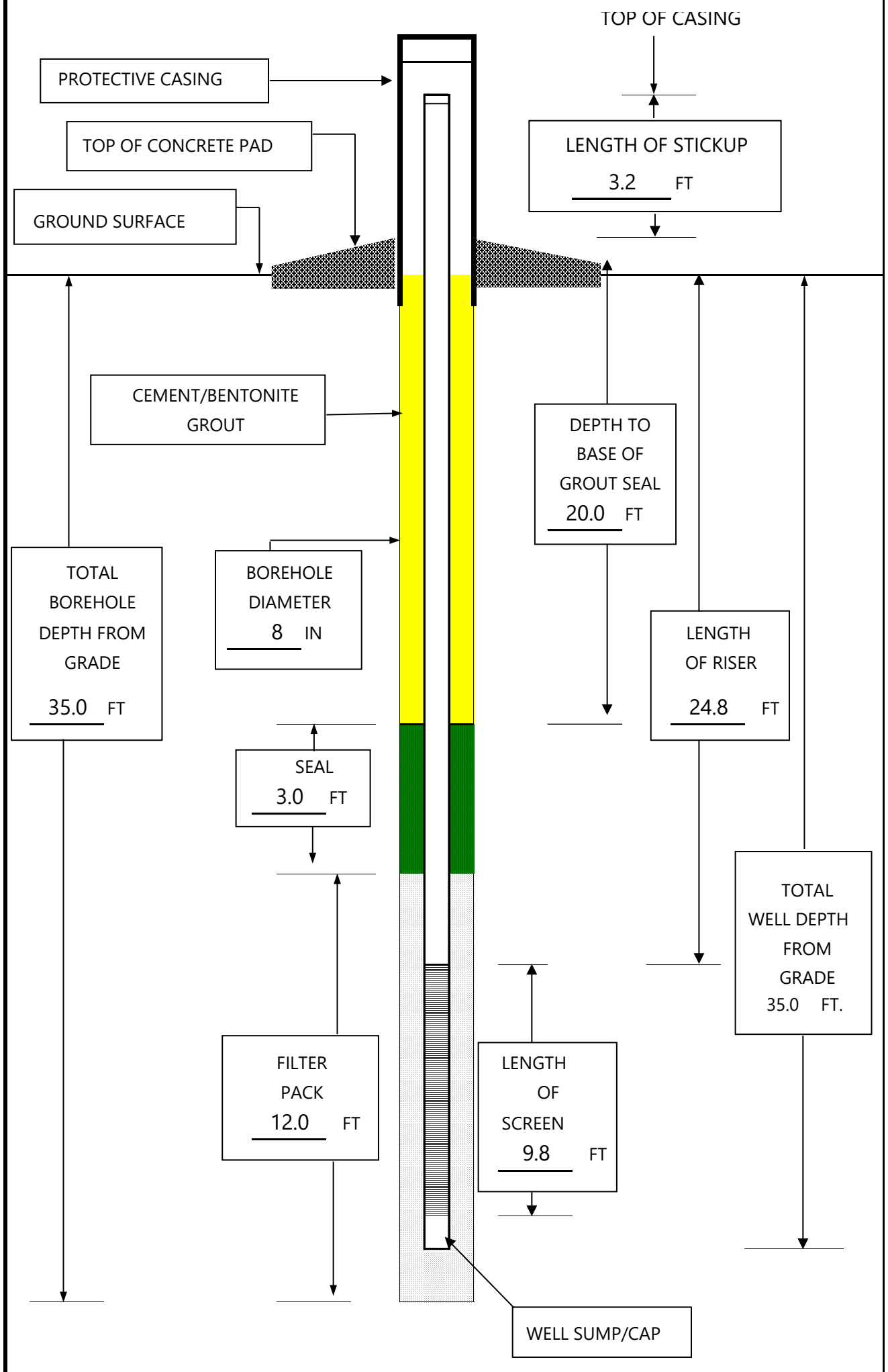
NORTH 779125.68

EAST 960982.75

TOP OF SLAB ELEVATION: 46.56

TOP OF CASING ELEVATION: 49.75

WELL SCHEMATIC



ALL ELEVATIONS ARE IN FEET NAVD88

CONSTRUCTION DATA

CASING INFORMATION

MATERIAL: ■ PVC ☐ STAINLESS ☐ CARBON
☐ OTHER

DIAMETER: ■ 2 IN ☐ 4 IN ☐ 6 IN
☐ OTHER IN

JOINTS: ■ THREADED ☐ WELDED
☐ SCREWED ☐ COUPLED
☐ OTHER

SCHEDULE:

SCREEN INFORMATION

MATERIAL: ■ PVC
☐ STAINLESS
☐ TEFLON
☐ OTHER

DIAMETER: ■ 2 IN
☐ 4 IN
☐ 6 IN
☐ IN

SLOT: ■ 0.010
☐ 0.020
☐ OTHER IN

CENTRALIZER: ☐ YES ■ NO

SHOW LOCATION OF CENTRALIZER(S) ON SCHEMATIC

FILTER PACK MATERIAL

20/40 SAND ☐

OTHER ■ #2 (7x35 mesh)

SECONDARY FILTER PACK MATERIAL

SUGAR SAND ☐

OTHER ■ None

BENTONITE WELL SEAL

☐ 1/2-IN PELLETS
■ 1/4-IN PELLETS
☐ CHIPS
☐ OTHER

SURFACE PROTECTION

CONCRETE PAD: ☐ 3×3 FT
☐ 4×4 FT
■ OTHER 2 x 2 FT

WELL SUMP/CAP

■ YES
☐ NO
LENGTH 0.4 FT

Appendix C
Well Development Forms

Well Development Log

Facility Name:	**Grumman Road PDI**	**Date:**	**12/17/2025**
Location:	**Savannah, Georgia**	**Arrival Time:**	**900**
Field Personnel:	**Alec Macbeth**	**Weather**	**Cloudy, 30s-50s**

Well No: PZ-1
Well Diameter: 2 in.
Type of Casing: PVC
Measuring Point: TOC, Stick up 3.27 feet
Flush Mount/Stick-Up
Comments:_____
Piezometer was initially surged with downhole pump acrosss creened interval.

Well Depth in Feet (WD): 35 ft. BGS
Water Level in Feet (WL): 22.20 ft BTOC, 18.9 ft. BGS
Length of Water Column: 16.1 Feet
(WD) - (WL) = (LWC)
One Casing Volume: 2.6 Gallons
(LWC) x (WCV)
Three Casing Volumes: 7.8 Gallons
Actual Volume Developed: 55 Gallons

Start Time: 9:20

Well Casing Volumes (WCV)

2" = 0.17 gal/ft 3" = 0.38 gal/ft 4" = 0.66 gal/ft 6" = 1.5 gal/ft 8" = 2.6 gal/ft 12" = 5.8 gal/ft

Time	Development Method	Estimated Flow Rate (gpm)	Gallons Purged	pH Units	Specific Cond. (µS/cm)	Temp (C°)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Depth to Water (feet TOC)
925	DHE pump	1.5	7.5	4.37	2462	NM	NM	93.9	43	23.21
945	DHE pump	1.5	37.5	4.34	2461	NM	NM	104.6	28	23.31
950	STOP DEVELOPMENT									

Protective Casing:_____ Pad:_____ Lock:_____ Vegetation:_____ Access:_____

Field Personnel Signature: Alexander P. Macbeth Date: 12/17/2025

Comments:

DHE pump: downhole electric pump; Monsoon.
NM: not measured

TOC: top of casing
BGS: below ground surface
BTOC: below top of casing

Well Development Log

Facility Name:	**Grumman Road PDI**	**Date:**	**12/17/2025**
Location:	**Savannah, Georgia**	**Arrival Time:**	**1230**
Field Personnel:	**Alec Macbeth**	**Weather**	**Cloudy, 30s-50s**

Well No: PZ-2
Well Diameter: 2 in.
Type of Casing: PVC
Measuring Point: TOC, Stick up 3.19 feet
Flush Mount/Stick-Up
Comments:_____
Piezometer was initially surged with downhole pump acrosss creened interval.

Well Depth in Feet (WD): 35 ft. BGS
Start Time: 12:40
Water Level in Feet (WL): 22.69 ft BTOC, 19.5 ft. BGS
Length of Water Column: 15.5 Feet
(WD) - (WL) = (LWC)
One Casing Volume: 2.5 Gallons
(LWC) x (WCV)
Three Casing Volumes: 7.4 Gallons
Actual Volume Developed: 55 Gallons

Well Casing Volumes (WCV)

2" = 0.17 gal/ft 3" = 0.38 gal/ft 4" = 0.66 gal/ft 6" = 1.5 gal/ft 8" = 2.6 gal/ft 12" = 5.8 gal/ft

Time	Development Method	Estimated Flow Rate (gpm)	Gallons Purged	pH Units	Specific Cond. (µS/cm)	Temp (C°)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Turbidity (NTU)	Depth to Water (feet TOC)
1245	DHE pump	1.5	7.5	4.96	2921	NM	NM	76.3	223	25.12
1305	DHE pump	1.5	37.5	4.83	3223	NM	NM	85.3	38	25.09
1306	STOP DEVELOPMENT									

Field Personnel Signature: Alexander P. Macbeth Date: 12/17/2025

Comments:
DHE pump: downhole electric pump; Monsoon.
NM: not measured
TOC: top of casing
BGS: below ground surface
BTOC: below top of casing

Appendix D
Certified Well Survey Data

GUNNIN SURVEY

141 Railroad Street, Suite 116
Canton, Georgia 30114
www.gunninsurvey.com

DATE: December 23, 2025

TO: Georgia Power
Grumman Road Landfill
120 Gulfstream Road
Garden City, GA 31408

ATTN: Alec Macbeth of Anchor QEA, LLC

SUBJECT: Grumman Road Landfill: 2025 Monitoring Well Survey & Boring Locations

The following data has been established on the new monitoring wells and borings utilizing NAD83 GA Zone East Horizontal Datum and NAVD88 / Geoid 2018 Vertical Datum. The wells were surveyed to the following tolerances: 0.01' vertical and 0.1' horizontal via conventional survey methods and Global Navigation Satellite Systems. The wells were cross-checked for horizontal and vertical accuracy.

Date of field survey: 12/18/2025.

WELL ID	NORTHING	EASTING	ELEVATION	ELEVATION	ELEVATION
	TOP OF CASE	TOP OF CASE	TOP OF CASE	TOP OF PVC	GROUND
KRA-PZ-1	779209.29	960961.90	50.55	50.04	46.77
KRA-PZ-2	779125.68	960982.75	50.28	49.75	46.56

BORING ID	NORTHING	EASTING	GROUND ELEVATION
1	779266.16	960953.85	46.49
2	779046.38	960982.27	44.57
3	779231.10	960963.59	46.65
4	779051.68	961005.65	45.16
5	779093.67	960998.09	46.78
6	779246.50	960954.83	46.50
7	779210.89	960965.88	46.77



Sincerely yours,

Gunnin Land Surveying, LLC.
Richard B. Kook, P.L.S. #3586

APPENDIX B

Laboratory Analytical and Field Sampling Reports

Grumman Road Private Industrial Landfill
Chatham County, Georgia
2026 Annual Groundwater Monitoring and Corrective Action Report

APPENDIX B

Laboratory Analytical and Field Sampling Reports
July 2025 Monitoring Event

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 14, 2025

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 735664

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 30, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
735664001	KRA-GWA-8	Ground Water	07/28/25 15:11	07/30/25 10:00
735664002	KRA-GWB-4R	Ground Water	07/28/25 16:33	07/30/25 10:00
735664003	KRA-GRL-FB-01	Water	07/28/25 16:50	07/30/25 10:00
735664004	KRA-GWA-7	Ground Water	07/28/25 16:15	07/30/25 10:00
735664005	KRA-GWB-6R	Ground Water	07/29/25 08:25	07/30/25 10:00
735664006	KRA-GWC-1	Ground Water	07/29/25 13:12	07/30/25 10:00
735664007	KRA-GWC-11	Ground Water	07/29/25 12:10	07/30/25 10:00
735664008	KRA-GWC-17	Ground Water	07/29/25 17:08	07/30/25 10:00
735664009	KRA-GWC-20	Ground Water	07/29/25 14:39	07/30/25 10:00
735664010	KRA-GWC-22	Ground Water	07/29/25 15:34	07/30/25 10:00
735664011	KRA-MW-23D	Ground Water	07/29/25 16:21	07/30/25 10:00
735664012	KRA-MW-26D	Ground Water	07/29/25 09:48	07/30/25 10:00
735664013	KRA-GRL-FD-01	Ground Water	07/29/25 12:00	07/30/25 10:00
735664014	KRA-GRL-FB-02	Water	07/29/25 15:25	07/30/25 10:00
735664015	KRA-GRL-EB-04	Water	07/29/25 11:00	07/30/25 10:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

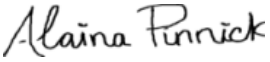
Method	Run Date ID
SW846 3005A	31-JUL-2025
SW846 7470A Prep	05-AUG-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	01-AUG-2025
EPA 300.0	31-JUL-2025
SM 2540C	01-AUG-2025
SM 2540C	04-AUG-2025
SM 2540C	31-JUL-2025
SW846 3005A/6020B	11-AUG-2025
SW846 3005A/6020B	13-AUG-2025
SW846 7470A	06-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 735664 GEL Work Order: 735664

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-8	Project:	GPCC00125
Sample ID:	735664001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JUL-25 15:11		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		17.4	0.670	2.00	mg/L		10	TXT1	07/31/25	0042	2838685	1
Sulfate		87.9	1.33	4.00	mg/L		10					
Fluoride	J	0.0842	0.0330	0.100	mg/L		1	TXT1	07/31/25	1822	2838685	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1005	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0216	2838670	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0537	0.000670	0.00400	mg/L	1.00	1					
Beryllium	J	0.000227	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		18.3	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000397	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00341	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron		0.280	0.0260	0.0750	mg/L	1.00	5	PRB	08/13/25	1519	2838670	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		179	2.38	10.0	mg/L			SC1	07/31/25	1449	2838732	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-8	Project:	GPCC00125
Sample ID:	735664001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-4R	Project:	GPCC00125
Sample ID:	735664002	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JUL-25 16:33		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0357	0.0330	0.100	mg/L		1	TXT1	07/31/25	1957	2838685	1
Chloride		146	3.35	10.0	mg/L		50	TXT1	08/01/25	0147	2838685	2
Sulfate		593	6.65	20.0	mg/L		50					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1012	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0235	2838670	4
Arsenic		0.00507	0.00200	0.00500	mg/L	1.00	1					
Barium		0.202	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00648	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00252	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.0188	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.102	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00415	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium		0.0278	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron		5.53	0.260	0.750	mg/L	1.00	50	PRB	08/13/25	1540	2838670	5
Calcium		155	4.00	10.0	mg/L	1.00	50					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2130	4.76	20.0	mg/L			SC1	07/31/25	1449	2838732	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-4R	Project:	GPCC00125
Sample ID:	735664002	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FB-01
Sample ID: 735664003
Matrix: WQ
Collect Date: 28-JUL-25 16:50
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	J	0.121	0.0670	0.200	mg/L		1	TXT1	08/01/25	0219	2838685	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1013	2841072	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0238	2838670	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000254	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	08/13/25	1649	2838670	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	07/31/25	1449	2838732	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-01	Project:	GPCC00125
Sample ID:	735664003	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWA-7
Sample ID: 735664004
Matrix: WG
Collect Date: 28-JUL-25 16:15
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		80.4	0.670	2.00	mg/L		10	TXT1	07/31/25	0322	2838685	1
Fluoride	J	0.0506	0.0330	0.100	mg/L		1	TXT1	08/01/25	0251	2838685	2
Sulfate		2.25	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1015	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0240	2838670	4
Arsenic	J	0.00406	0.00200	0.00500	mg/L	1.00	1					
Barium		0.209	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		3.57	0.0800	0.200	mg/L	1.00	1					
Chromium		0.0147	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00158	0.000300	0.00100	mg/L	1.00	1					
Lead	J	0.000999	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000426	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.00876	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium		0.156	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.00395	0.00330	0.0200	mg/L	1.00	1					
Boron		11.2	0.520	1.50	mg/L	1.00	100	PRB	08/13/25	1544	2838670	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1860	4.76	20.0	mg/L			SC1	08/01/25	1509	2839816	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	735664004	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-6R	Project:	GPCC00125
Sample ID:	735664005	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	29-JUL-25 08:25		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		63.6	0.670	2.00	mg/L		10	TXT1	07/31/25	0353	2838685	1
Fluoride	J	0.0648	0.0330	0.100	mg/L		1	TXT1	07/31/25	2029	2838685	2
Sulfate		487	6.65	20.0	mg/L		50	TXT1	08/01/25	0323	2838685	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1017	2841072	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0243	2838670	5
Arsenic	J	0.00474	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0207	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00477	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0285	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000468	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00255	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium		0.0285	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0152	0.00330	0.0200	mg/L	1.00	1					
Boron		5.27	0.260	0.750	mg/L	1.00	50	PRB	08/13/25	1547	2838670	6
Calcium		59.8	4.00	10.0	mg/L	1.00	50					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1110	2.38	10.0	mg/L			SC1	08/01/25	1509	2839816	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-6R	Project:	GPCC00125
Sample ID:	735664005	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-1
Sample ID: 735664006
Matrix: WG
Collect Date: 29-JUL-25 13:12
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		25.9	1.33	4.00	mg/L		10	TXT1	07/31/25	0425	2838685	1
Chloride		4.59	0.0670	0.200	mg/L		1	TXT1	08/01/25	0355	2838685	2
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1021	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0246	2838670	4
Arsenic		0.00906	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0467	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00320	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0402	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00202	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00673	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron		0.449	0.0520	0.150	mg/L	1.00	10	PRB	08/13/25	1550	2838670	5
Calcium		61.1	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		327	2.38	10.0	mg/L			SC1	08/04/25	1112	2840224	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-1	Project:	GPCC00125
Sample ID:	735664006	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-11	Project:	GPCC00125
Sample ID:	735664007	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	29-JUL-25 12:10		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		75.2	0.670	2.00	mg/L		10	TXT1	07/31/25	0601	2838685	1
Fluoride	U	ND	0.0330	0.100	mg/L		1	TXT1	07/31/25	2101	2838685	2
Sulfate		554	6.65	20.0	mg/L		50	TXT1	08/01/25	0427	2838685	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1023	2841072	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0248	2838670	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.111	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000363	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000469	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000497	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00252	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00404	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron		1.59	0.104	0.300	mg/L	1.00	20	PRB	08/13/25	1553	2838670	6
Calcium		101	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		977	2.38	10.0	mg/L			SC1	08/04/25	1112	2840224	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-11	Project:	GPCC00125
Sample ID:	735664007	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-17	Project:	GPCC00125
Sample ID:	735664008	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	29-JUL-25 17:08		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride		0.418	0.0330	0.100	mg/L		1	TXT1	07/31/25	2133	2838685	1
Chloride		428	6.70	20.0	mg/L		100	TXT1	08/01/25	0459	2838685	2
Sulfate		385	13.3	40.0	mg/L		100					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1025	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0251	2838670	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0311	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.00164	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00264	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00495	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00493	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00465	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.00630	0.00330	0.0200	mg/L	1.00	1					
Boron		1.32	0.104	0.300	mg/L	1.00	20	PRB	08/13/25	1556	2838670	5
Calcium		81.7	1.60	4.00	mg/L	1.00	20					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1330	4.76	20.0	mg/L			SC1	08/04/25	1112	2840224	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-17	Project:	GPCC00125
Sample ID:	735664008	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	735664009	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	29-JUL-25 14:39		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		17.5	0.335	1.00	mg/L		5	TXT1	07/31/25	2204	2838685	1
Fluoride	J	0.269	0.165	0.500	mg/L		5					
Sulfate		1260	13.3	40.0	mg/L		100	TXT1	08/01/25	0530	2838685	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1026	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0254	2838670	4
Arsenic		0.186	0.00200	0.00500	mg/L	1.00	1					
Barium		0.297	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000661	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00636	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Calcium		246	0.800	2.00	mg/L	1.00	10	PRB	08/13/25	1600	2838670	5
Molybdenum		0.975	0.00200	0.0100	mg/L	1.00	10					
Boron		18.0	1.04	3.00	mg/L	1.00	200	PRB	08/13/25	1603	2838670	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2100	4.76	20.0	mg/L			SC1	08/04/25	1112	2840224	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	735664009	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-22	Project:	GPCC00125
Sample ID:	735664010	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	29-JUL-25 15:34		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0732	0.0660	0.200	mg/L		2	TXT1	07/31/25	2236	2838685	1
Chloride		394	6.70	20.0	mg/L		100	TXT1	08/01/25	0602	2838685	2
Sulfate		812	13.3	40.0	mg/L		100					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1028	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0257	2838670	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.199	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00105	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00364	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00665	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0173	0.00330	0.0200	mg/L	1.00	1					
Boron		8.01	0.520	1.50	mg/L	1.00	100	PRB	08/13/25	1606	2838670	5
Calcium		114	8.00	20.0	mg/L	1.00	100					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1910	4.76	20.0	mg/L			SC1	08/04/25	1112	2840224	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

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Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-22	Project:	GPCC00125
Sample ID:	735664010	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-23D	Project:	GPCC00125
Sample ID:	735664011	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	29-JUL-25 16:21		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		19.6	1.33	4.00	mg/L		10	TXT1	07/31/25	0808	2838685	1
Chloride		8.11	0.0670	0.200	mg/L		1	TXT1	08/01/25	0634	2838685	2
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1030	2841072	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0305	2838670	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0554	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		6.93	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.00389	0.00330	0.0200	mg/L	1.00	1					
Boron		0.0308	0.00520	0.0150	mg/L	1.00	1	PRB	08/13/25	1609	2838670	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		67.0	2.38	10.0	mg/L			SC1	08/04/25	1112	2840224	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071

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Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-23D	Project:	GPCC00125
Sample ID:	735664011	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-26D	Project:	GPCC00125
Sample ID:	735664012	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	29-JUL-25 09:48		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.72	0.0670	0.200	mg/L		1	TXT1	08/01/25	0810	2838685	1
Fluoride	J	0.0444	0.0330	0.100	mg/L		1					
Sulfate		0.712	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1031	2841072	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0308	2838670	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0282	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		2.35	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0166	0.00330	0.0200	mg/L	1.00	1					
Boron		0.0309	0.00520	0.0150	mg/L	1.00	1	PRB	08/13/25	1652	2838670	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		13.0	2.38	10.0	mg/L			SC1	08/04/25	1112	2840224	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-26D	Project:	GPCC00125
Sample ID:	735664012	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-01
Sample ID: 735664013
Matrix: WG
Collect Date: 29-JUL-25 12:00
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		63.5	0.670	2.00	mg/L		10	TXT1	07/31/25	1016	2838685	1
Fluoride	J	0.0639	0.0330	0.100	mg/L		1	TXT1	07/31/25	2308	2838685	2
Sulfate		497	6.65	20.0	mg/L		50	TXT1	08/01/25	0945	2838685	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1033	2841072	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0311	2838670	5
Arsenic	J	0.00471	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0197	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00421	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0278	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000479	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00228	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium		0.0268	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0131	0.00330	0.0200	mg/L	1.00	1					
Boron		4.81	0.260	0.750	mg/L	1.00	50	PRB	08/13/25	1655	2838670	6
Calcium		55.5	4.00	10.0	mg/L	1.00	50					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1100	2.38	10.0	mg/L			SC1	08/04/25	1112	2840224	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-01	Project:	GPCC00125
Sample ID:	735664013	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-02	Project:	GPCC00125
Sample ID:	735664014	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	29-JUL-25 15:25		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	07/31/25	1049	2838685	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1034	2841072	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0313	2838670	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	J	0.196	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron	J	0.00590	0.00520	0.0150	mg/L	1.00	1	PRB	08/13/25	1658	2838670	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	08/04/25	1112	2840224	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-02	Project:	GPCC00125
Sample ID:	735664014	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-04	Project:	GPCC00125
Sample ID:	735664015	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	29-JUL-25 11:00		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	TXT1	07/31/25	1224	2838685	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/06/25	1036	2841072	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0316	2838670	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	08/13/25	1700	2838670	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	08/04/25	1412	2840225	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	MM12	08/05/25	1105	2841071
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

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Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-04	Project:	GPCC00125
Sample ID:	735664015	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: August 14, 2025

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **735664**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2838685												
QC1206186460 735664001 DUP												
Chloride			17.4		17.5	mg/L	0.378			(0%-20%)	TXT1	07/31/25 01:14
Fluoride		J	0.0842	J	0.0831	mg/L	1.32	^		(+/-0.100)		07/31/25 18:53
Sulfate			87.9		88.5	mg/L	0.678			(0%-20%)		07/31/25 01:14
QC1206186462 735664012 DUP												
Chloride			6.72		6.72	mg/L	0.0431			(0%-20%)		08/01/25 08:42
Fluoride		J	0.0444	J	0.0470	mg/L	5.69	^		(+/-0.100)		
Sulfate			0.712		0.702	mg/L	1.43	^		(+/-0.400)		
QC1206186459 LCS												
Chloride	5.00				4.61	mg/L			92.3	(90%-110%)		07/31/25 00:10
Fluoride	2.50				2.37	mg/L			94.7	(90%-110%)		
Sulfate	10.0				9.49	mg/L			94.9	(90%-110%)		
QC1206186458 MB												
Chloride				U	ND	mg/L						07/30/25 23:39
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						

QC Summary

Workorder: **735664**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2838685											
QC1206186461 735664001 PS											
Chloride	5.00		1.74		6.43	mg/L		93.7	(90%-110%)	TXT1	07/31/25 01:46
Fluoride	2.50	J	0.0842		2.25	mg/L		86.5*	(90%-110%)		07/31/25 19:25
Sulfate	10.0		8.79		18.4	mg/L		96.5	(90%-110%)		07/31/25 01:46
QC1206186463 735664012 PS											
Chloride	5.00		6.72		12.0	mg/L		105	(90%-110%)		08/01/25 09:14
Fluoride	2.50	J	0.0444		2.26	mg/L		88.4*	(90%-110%)		
Sulfate	10.0		0.712		9.84	mg/L		91.3	(90%-110%)		
Metals Analysis - ICPMS											
Batch 2838670											
QC1206186411 LCS											
Antimony	0.0500				0.0479	mg/L		95.8	(80%-120%)	PRB	08/11/25 02:13
Arsenic	0.0500				0.0500	mg/L		99.9	(80%-120%)		
Barium	0.0500				0.0497	mg/L		99.4	(80%-120%)		
Beryllium	0.0500				0.0551	mg/L		110	(80%-120%)		
Boron	0.100				0.102	mg/L		102	(80%-120%)		08/13/25 15:16
Cadmium	0.0500				0.0498	mg/L		99.7	(80%-120%)		08/11/25 02:13
Calcium	2.00				2.19	mg/L		110	(80%-120%)		

QC Summary

Workorder: **735664**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2838670										
Chromium	0.0500			0.0518	mg/L		104	(80%-120%)	PRB	08/11/25 02:13
Cobalt	0.0500			0.0515	mg/L		103	(80%-120%)		
Lead	0.0500			0.0500	mg/L		100	(80%-120%)		
Lithium	0.0500			0.0527	mg/L		105	(80%-120%)		
Molybdenum	0.0500			0.0483	mg/L		96.7	(80%-120%)		
Selenium	0.0500			0.0496	mg/L		99.2	(80%-120%)		
Thallium	0.0500			0.0475	mg/L		95	(80%-120%)		
Vanadium	0.0500			0.0525	mg/L		105	(80%-120%)		
Zinc	0.0500			0.0528	mg/L		106	(80%-120%)		
QC1206186410 MB										
Antimony			U	ND	mg/L					08/11/25 02:10
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					08/13/25 15:13

QC Summary

Workorder: **735664**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2838670										
Cadmium			U	ND	mg/L				PRB	08/11/25 02:10
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Selenium			U	ND	mg/L					
Thallium			U	ND	mg/L					
Vanadium			U	ND	mg/L					
Zinc			U	ND	mg/L					
QC1206186412 735664001 MS										
Antimony	0.0500	U	ND	0.0477	mg/L		94.9	(75%-125%)		08/11/25 02:18
Arsenic	0.0500	U	ND	0.0504	mg/L		98.3	(75%-125%)		
Barium	0.0500		0.0537	0.101	mg/L		94.9	(75%-125%)		

QC Summary

Workorder: **735664**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2838670											
Beryllium	0.0500	J	0.000227		0.0537	mg/L		107	(75%-125%)	PRB	08/11/25 02:18
Boron	0.100		0.280		0.357	mg/L		76.8	(75%-125%)		08/13/25 15:22
Cadmium	0.0500	U	ND		0.0502	mg/L		100	(75%-125%)		08/11/25 02:18
Calcium	2.00		18.3		19.9	mg/L		N/A	(75%-125%)		
Chromium	0.0500	U	ND		0.0497	mg/L		97.9	(75%-125%)		
Cobalt	0.0500	J	0.000397		0.0498	mg/L		98.7	(75%-125%)		
Lead	0.0500	U	ND		0.0491	mg/L		98.1	(75%-125%)		
Lithium	0.0500	U	ND		0.0530	mg/L		104	(75%-125%)		
Molybdenum	0.0500	U	ND		0.0518	mg/L		103	(75%-125%)		
Selenium	0.0500	U	ND		0.0490	mg/L		96.3	(75%-125%)		
Thallium	0.0500	U	ND		0.0471	mg/L		94.1	(75%-125%)		
Vanadium	0.0500	J	0.00341		0.0517	mg/L		96.7	(75%-125%)		
Zinc	0.0500	U	ND		0.0519	mg/L		100	(75%-125%)		
QC1206186413 735664001 MSD											
Antimony	0.0500	U	ND		0.0501	mg/L	5.06	99.9	(0%-20%)		08/11/25 02:21

QC Summary

Workorder: **735664**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2838670											
Arsenic	0.0500	U	ND		0.0518	mg/L	2.78	101	(0%-20%)	PRB	08/11/25 02:21
Barium	0.0500		0.0537		0.104	mg/L	2.57	100	(0%-20%)		
Beryllium	0.0500	J	0.000227		0.0543	mg/L	1.09	108	(0%-20%)		
Boron	0.100		0.280		0.382	mg/L	6.86	102	(0%-20%)		08/13/25 15:25
Cadmium	0.0500	U	ND		0.0511	mg/L	1.87	102	(0%-20%)		08/11/25 02:21
Calcium	2.00		18.3		20.4	mg/L	2.38	N/A	(0%-20%)		
Chromium	0.0500	U	ND		0.0514	mg/L	3.45	101	(0%-20%)		
Cobalt	0.0500	J	0.000397		0.0508	mg/L	1.98	101	(0%-20%)		
Lead	0.0500	U	ND		0.0503	mg/L	2.42	101	(0%-20%)		
Lithium	0.0500	U	ND		0.0539	mg/L	1.65	105	(0%-20%)		
Molybdenum	0.0500	U	ND		0.0526	mg/L	1.55	105	(0%-20%)		
Selenium	0.0500	U	ND		0.0513	mg/L	4.57	101	(0%-20%)		
Thallium	0.0500	U	ND		0.0486	mg/L	3.01	97	(0%-20%)		
Vanadium	0.0500	J	0.00341		0.0543	mg/L	4.87	102	(0%-20%)		

QC Summary

Workorder: **735664**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2838670											
Zinc	0.0500	U	ND		0.0538	mg/L	3.67	104	(0%-20%)	PRB	08/11/25 02:21
QC1206186415 735664001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/11/25 02:27
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			53.7		11.4	ug/L	6		(0%-20%)		
Beryllium		J	0.227	U	ND	ug/L	N/A		(0%-20%)		
Boron			280	J	322	ug/L	14.9		(0%-20%)		08/13/25 15:32
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/11/25 02:27
Calcium			18300		3910	ug/L	6.81		(0%-20%)		
Chromium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Cobalt		J	0.397	U	ND	ug/L	N/A		(0%-20%)		
Lead		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Selenium		U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **735664**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2838670										
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	08/11/25 02:27
Vanadium	J	3.41	U	ND	ug/L	N/A		(0%-20%)		
Zinc	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2841072										
QC1206190988 735664001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	08/06/25 10:07
QC1206190987 LCS										
Mercury	0.00200			0.00209	mg/L		104	(80%-120%)		08/06/25 10:03
QC1206190986 MB										
Mercury			U	ND	mg/L					08/06/25 10:02
QC1206190989 735664001 MS										
Mercury	0.00200	U	ND	0.00194	mg/L		95	(75%-125%)		08/06/25 10:08
Solids Analysis										
Batch 2838732										
QC1206186529 735115001 DUP										
Total Dissolved Solids		402		418	mg/L	3.9		(0%-5%)	SC1	07/31/25 14:49
QC1206186528 LCS										
Total Dissolved Solids	300			302	mg/L		101	(95%-105%)		07/31/25 14:49
QC1206186527 MB										
Total Dissolved Solids			U	ND	mg/L					07/31/25 14:49

QC Summary

Workorder: **735664**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Solids Analysis											
Batch 2839816											
QC1206188524 735330001 DUP											
Total Dissolved Solids		178		180	mg/L	1.12			(0%-5%)	SC1	08/01/25 15:09
QC1206188523 LCS											
Total Dissolved Solids	300			300	mg/L			100	(95%-105%)		08/01/25 15:09
QC1206188522 MB											
Total Dissolved Solids			U	ND	mg/L						08/01/25 15:09
Batch 2840224											
QC1206189279 735584008 DUP											
Total Dissolved Solids		85.0		56.0	mg/L	41.1	*		(0%-5%)	SC1	08/04/25 11:12
QC1206189278 LCS											
Total Dissolved Solids	300			298	mg/L			99.3	(95%-105%)		08/04/25 11:12
QC1206189277 MB											
Total Dissolved Solids			U	ND	mg/L						08/04/25 11:12
Batch 2840225											
QC1206189286 735880002 DUP											
Total Dissolved Solids		165000		166000	mg/L	0.543			(0%-5%)	SC1	08/04/25 14:12
QC1206189284 LCS											
Total Dissolved Solids	300			296	mg/L			98.7	(95%-105%)		08/04/25 14:12
QC1206189283 MB											
Total Dissolved Solids			U	ND	mg/L						08/04/25 14:12

Notes:

The Qualifiers in this report are defined as follows:

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J Value is estimated

QC Summary

Workorder: **735664**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 735664

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2838670

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2838669

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735664001	KRA-GWA-8
735664002	KRA-GWB-4R
735664003	KRA-GRL-FB-01
735664004	KRA-GWA-7
735664005	KRA-GWB-6R
735664006	KRA-GWC-1
735664007	KRA-GWC-11
735664008	KRA-GWC-17
735664009	KRA-GWC-20
735664010	KRA-GWC-22
735664011	KRA-MW-23D
735664012	KRA-MW-26D
735664013	KRA-GRL-FD-01
735664014	KRA-GRL-FB-02
735664015	KRA-GRL-EB-04
1206186410	Method Blank (MB)**ICP-MS**
1206186411	Laboratory Control Sample (LCS)
1206186415	735664001(KRA-GWA-8L) Serial Dilution (SD)
1206186412	735664001(KRA-GWA-8S) Matrix Spike (MS)
1206186413	735664001(KRA-GWA-8SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 735664001 (KRA-GWA-8), 735664002 (KRA-GWB-4R), 735664004 (KRA-GWA-7), 735664005 (KRA-GWB-6R), 735664006 (KRA-GWC-1), 735664007 (KRA-GWC-11), 735664008 (KRA-GWC-17), 735664009 (KRA-GWC-20), 735664010 (KRA-GWC-22) and 735664013 (KRA-GRL-FD-01) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	735664									
	001	**002**	**004**	**005**	**006**	**007**	**008**	**009**	**010**	**013**
Boron	5X	50X	100X	50X	10X	20X	20X	200X	100X	50X
Calcium		50X		50X	10X	20X	20X	10X	100X	50X
Molybdenum								10X		

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2841072

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2841071

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735664001	KRA-GWA-8
735664002	KRA-GWB-4R
735664003	KRA-GRL-FB-01
735664004	KRA-GWA-7
735664005	KRA-GWB-6R
735664006	KRA-GWC-1
735664007	KRA-GWC-11
735664008	KRA-GWC-17
735664009	KRA-GWC-20
735664010	KRA-GWC-22
735664011	KRA-MW-23D
735664012	KRA-MW-26D
735664013	KRA-GRL-FD-01
735664014	KRA-GRL-FB-02
735664015	KRA-GRL-EB-04
1206190986	Method Blank (MB)**CVAA**
1206190987	Laboratory Control Sample (LCS)
1206190988	735664001(KRA-GWA-8D) Sample Duplicate (DUP)
1206190989	735664001(KRA-GWA-8S) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report

met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2838685

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735664001	KRA-GWA-8
735664002	KRA-GWB-4R
735664003	KRA-GRL-FB-01
735664004	KRA-GWA-7
735664005	KRA-GWB-6R
735664006	KRA-GWC-1
735664007	KRA-GWC-11
735664008	KRA-GWC-17
735664009	KRA-GWC-20
735664010	KRA-GWC-22
735664011	KRA-MW-23D
735664012	KRA-MW-26D
735664013	KRA-GRL-FD-01
735664014	KRA-GRL-FB-02
735664015	KRA-GRL-EB-04
1206186458	Method Blank (MB)
1206186459	Laboratory Control Sample (LCS)
1206186460	735664001(KRA-GWA-8) Sample Duplicate (DUP)
1206186461	735664001(KRA-GWA-8) Post Spike (PS)
1206186462	735664012(KRA-MW-26D) Sample Duplicate (DUP)
1206186463	735664012(KRA-MW-26D) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Fluoride	1206186461 (KRA-GWA-8PS)	86.5* (90%-110%)
	1206186463 (KRA-MW-26DPS)	88.4* (90%-110%)

Technical Information

Sample Dilutions
The following samples 735664002 (KRA-GWB-4R), 735664004 (KRA-GWA-7), 735664005 (KRA-GWB-6R), 735664007 (KRA-GWC-11), 735664008 (KRA-GWC-17), 735664009 (KRA-GWC-20), 735664010 (KRA-GWC-22) and 735664013 (KRA-GRL-FD-01) were diluted because target analyte concentrations exceeded the calibration range.
Samples 735664009 (KRA-GWC-20) and 735664010 (KRA-GWC-22) were diluted to minimize matrix effects on instrument performance.
Samples 1206186460 (KRA-GWA-8DUP), 1206186461 (KRA-GWA-8PS), 1206186462 (KRA-MW-26DDUP), 1206186463 (KRA-MW-26DPS), 735664001 (KRA-GWA-8), 735664002 (KRA-GWB-4R), 735664004 (KRA-GWA-7), 735664005 (KRA-GWB-6R), 735664006 (KRA-GWC-1), 735664007 (KRA-GWC-11), 735664008 (KRA-GWC-17), 735664009 (KRA-GWC-20), 735664010 (KRA-GWC-22), 735664011 (KRA-MW-23D), 735664012 (KRA-MW-26D) and 735664013 (KRA-GRL-FD-01) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	735664									
	001	**002**	**004**	**005**	**006**	**007**	**008**	**009**	**010**	**011**
Chloride	10X	50X	10X	10X	1X	10X	100X	5X	100X	1X
Fluoride	1X	1X	1X	1X	1X	1X	1X	5X	2X	1X
Sulfate	10X	50X	1X	50X	10X	50X	100X	100X	100X	10X

Analyte	**735664**
	013
Chloride	10X
Sulfate	50X

Sample Re-analysis
Multiple samples were re-analyzed undiluted to provide a proper detection of several analytes. 1206186460 (KRA-GWA-8DUP), 1206186461 (KRA-GWA-8PS), 1206186462 (KRA-MW-26DDUP), 1206186463 (KRA-MW-26DPS), 735664001 (KRA-GWA-8), 735664002 (KRA-GWB-4R), 735664003 (KRA-GRL-FB-01), 735664004 (KRA-GWA-7), 735664005 (KRA-GWB-6R), 735664006 (KRA-GWC-1), 735664007 (KRA-GWC-11), 735664008 (KRA-GWC-17), 735664011 (KRA-MW-23D), 735664012 (KRA-MW-26D) and 735664013 (KRA-GRL-FD-01).

Miscellaneous Information

Manual Integrations
Samples 1206186460 (KRA-GWA-8DUP), 1206186461 (KRA-GWA-8PS), 1206186462 (KRA-MW-26DDUP), 1206186463 (KRA-MW-26DPS) and 735664012 (KRA-MW-26D) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2838732

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735664001	KRA-GWA-8
735664002	KRA-GWB-4R
735664003	KRA-GRL-FB-01
1206186527	Method Blank (MB)
1206186528	Laboratory Control Sample (LCS)
1206186529	735115001(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A TDS meter was used to check the sample for approximate concentration prior to analysis. 735664002 (KRA-GWB-4R).

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2839816

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735664004	KRA-GWA-7
735664005	KRA-GWB-6R
1206188522	Method Blank (MB)
1206188523	Laboratory Control Sample (LCS)
1206188524	735330001(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A TDS meter was used to check the sample for approximate concentration prior to analysis. 735664004 (KRA-GWA-7).

Product: **Solids, Total Dissolved**

Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2840224

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735664006	KRA-GWC-1
735664007	KRA-GWC-11
735664008	KRA-GWC-17
735664009	KRA-GWC-20
735664010	KRA-GWC-22
735664011	KRA-MW-23D
735664012	KRA-MW-26D
735664013	KRA-GRL-FD-01
735664014	KRA-GRL-FB-02
1206189277	Method Blank (MB)
1206189278	Laboratory Control Sample (LCS)
1206189279	735584008(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206189279 (Non SDG 735584008DUP)	41.1* (0%-5%)

Miscellaneous Information

Additional Comments
A TDS meter was used to check the samples for approximate concentration prior to analysis. 735664008 (KRA-GWC-17), 735664009 (KRA-GWC-20) and 735664010 (KRA-GWC-22).

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2840225

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735664015	KRA-GRL-EB-04
1206189283	Method Blank (MB)
1206189284	Laboratory Control Sample (LCS)

1206189286 735880002(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to historical information. 1206189286 (Non SDG 735880002DUP).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 735664 735679

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: ~~AA~~ / JM ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470	NI	Radium 226 & 228 SW-846 9315, 9320	NI	<-- Preservative Type (6)
KRA- GWA-8	07-28-25	1511	G	N	WG			6	✓	✓		✓		
~~KRA- W~~ KRA-GWB-4R	07-28-25	1633	G	N	WG			6	✓	✓		✓		
KRA- GRL-FB-01	07-28-25	1650	G	N	WQ			6	✓	✓		✓		
KRA- GWA-7	07-28-25	1615	G	N	WG			6	✓	✓		✓		
KRA- GWB-6R	07-29-25	0825	G	N	WG			6	✓	✓		✓		
KRA- GWC-1	07-29-25	1312	G	N	WG			6	✓	✓		✓		
KRA- GWC-11	07-29-25	1210	G	N	WG			6	✓	✓		✓		
KRA- GWC-17	07-29-25	1708	G	N	WG			6	✓	✓		✓		
KRA- GWC-20	07-29-25	1439	G	N	WG			6	✓	✓		✓		
KRA- GWC-22	07-29-25	1534	G	N	WG			6	✓	✓		✓		

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	7-30-25	0806	[signature]	7.30.25	10.00
2	[signature]	7.30.25	10:00	[signature]	7/30/25	08:08
3				Thyoasa Tchu	7/30/25	10:00

TAT Requested: Normal: x Rush: _____ Specify: _____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 0 °C

> For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:
GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA, JM ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: (7) Known or possible Hazards	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470	Radium 226 & 228 SW-846 9315, 9320	NI	NI	<-- Preservative Type (6)
KRA- MW-23D	07-29-25	1621	G	N	WG		(H)	6	✓	✓	✓			
KRA- MW-26D	07-29-25	0948	G	N	WG			6	✓	✓	✓			
KRA- GRL-FD-01	07-29-25	—	G	N	WG			6	✓	✓	✓			
KRA- GRL-FB-02	07-29-25	1525	G	N	WQ			6	✓	✓	✓			
KRA- GRL-EB-04	07-29-25	1100	G	N	WQ			6	✓	✓	✓			
KRA-														
KRA-														
KRA-														
KRA-														
KRA-														

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	HALP	7-30-25	0806	[illegible]	7.30.25	10:00
2	[illegible]	7.30.25	10:00	[illegible]	7-30-25	08:06
3				Hyperaction	7/30/25	10:00

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 735664 735679 735682 | GEL PM: AP

Received By: CLM | Date Received at GEL: 7/30/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	0°				
2	0°				
3	0°				
4	0°				
5	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-GRL-EB-04 (All 3 Radium 226/228 If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5) KRA-GWA-8 (All 3 Radium 226/228), 1 of 3 analysis Radium 226/228 ID: KRA-GWA-7.

PM (or PMA) review: Initials HH Date 7/31/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 14 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 26, 2025

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 735679

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 30, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
735679001	KRA-GWA-8	Ground Water	07/28/25 15:11	07/30/25 10:00
735679002	KRA-GWB-4R	Ground Water	07/28/25 16:33	07/30/25 10:00
735679003	KRA-GRL-FB-01	Water	07/28/25 16:50	07/30/25 10:00
735679004	KRA-GWA-7	Ground Water	07/28/25 16:15	07/30/25 10:00
735679005	KRA-GWB-6R	Ground Water	07/29/25 08:25	07/30/25 10:00
735679006	KRA-GWC-1	Ground Water	07/29/25 13:12	07/30/25 10:00
735679007	KRA-GWC-11	Ground Water	07/29/25 12:10	07/30/25 10:00
735679008	KRA-GWC-17	Ground Water	07/29/25 17:08	07/30/25 10:00
735679009	KRA-GWC-20	Ground Water	07/29/25 14:39	07/30/25 10:00
735679010	KRA-GWC-22	Ground Water	07/29/25 15:34	07/30/25 10:00
735679011	KRA-MW-23D	Ground Water	07/29/25 16:21	07/30/25 10:00
735679012	KRA-MW-26D	Ground Water	07/29/25 09:48	07/30/25 10:00
735679013	KRA-GRL-FD-01	Ground Water	07/29/25 12:00	07/30/25 10:00
735679014	KRA-GRL-FB-02	Water	07/29/25 15:25	07/30/25 10:00
735679015	KRA-GRL-EB-04	Water	07/29/25 11:00	07/30/25 10:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

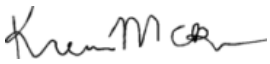
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	26-AUG-2025
EPA 903.1 Modified	26-AUG-2025
EPA 904.0/SW846 9320 Modified	06-AUG-2025
EPA 904.0/SW846 9320 Modified	12-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 735679 GEL Work Order: 735679

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

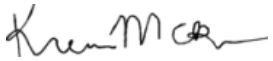
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Report Date: August 26, 2025
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWA-8
Sample ID: 735679001
Matrix: WG
Collect Date: 28-JUL-25
Receive Date: 30-JUL-25
Collector: Client
Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.09	+/-1.08	1.54	+/-1.22	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.41	+/-1.26	1.54	+/-1.42		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.32	+/-0.657	0.637	+/-0.723	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	99.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWB-4R
Sample ID: 735679002
Matrix: WG
Collect Date: 28-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.89	+/-1.15	1.55	+/-1.40	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		6.49	+/-1.56	1.55	+/-1.86		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.60	+/-1.05	0.653	+/-1.23	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	96.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
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Lc/LC: Critical Level
MDA: Minimum Detectable Activity
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Mtd.: Method
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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FB-01
Sample ID: 735679003
Matrix: WQ
Collect Date: 28-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.12	+/-1.12	1.83	+/-1.16	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.12	+/-1.14	1.83	+/-1.18		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	-0.0786	+/-0.218	0.683	+/-0.218	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	70.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWA-7
Sample ID: 735679004
Matrix: WG
Collect Date: 28-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.39	+/-0.972	1.52	+/-1.05	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.93	+/-1.05	1.52	+/-1.12		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.533	+/-0.403	0.469	+/-0.413	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	100	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWB-6R
Sample ID: 735679005
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		8.31	+/-2.07	2.41	+/-3.11	3.00	pCi/L			CH7	08/12/25	0652	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		10.0	+/-2.21	2.41	+/-3.22		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.73	+/-0.769	0.639	+/-0.819	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	75.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-1
Sample ID: 735679006
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.788	+/-0.905	1.52	+/-0.931	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.92	+/-1.09	1.52	+/-1.14		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.13	+/-0.603	0.695	+/-0.658	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	91.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-11
Sample ID: 735679007
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.29	+/-1.19	1.52	+/-1.50	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.35	+/-1.21	1.52	+/-1.52		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.0624	+/-0.245	0.543	+/-0.245	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	92.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-17
Sample ID: 735679008
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.08	+/-0.957	1.55	+/-1.00	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.45	+/-1.03	1.55	+/-1.07		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.375	+/-0.372	0.540	+/-0.378	1.00	pCi/L			AW6	08/26/25	0933	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	90.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-20
Sample ID: 735679009
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.40	+/-1.38	1.69	+/-1.85	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.59	+/-1.41	1.69	+/-1.87		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.196	+/-0.277	0.458	+/-0.278	1.00	pCi/L			AW6	08/26/25	0950	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	78.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-22
Sample ID: 735679010
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.50	+/-1.77	2.51	+/-2.17	3.00	pCi/L			CH7	08/12/25	0652	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		11.5	+/-2.18	2.51	+/-2.74		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		6.99	+/-1.27	0.511	+/-1.66	1.00	pCi/L			AW6	08/26/25	0950	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	74.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-23D
Sample ID: 735679011
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client
Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.86	+/-1.11	1.65	+/-1.23	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.24	+/-1.29	1.65	+/-1.41		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.38	+/-0.660	0.461	+/-0.701	1.00	pCi/L			AW6	08/26/25	0950	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	81.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-26D
Sample ID: 735679012
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.44	+/-1.19	1.66	+/-1.37	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.50	+/-1.22	1.66	+/-1.39		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.0598	+/-0.275	0.597	+/-0.275	1.00	pCi/L			AW6	08/26/25	0950	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	80.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-01
Sample ID: 735679013
Matrix: WG
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.63	+/-1.30	1.53	+/-1.83	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		6.37	+/-1.47	1.53	+/-1.97		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.73	+/-0.672	0.451	+/-0.744	1.00	pCi/L			AW6	08/26/25	0950	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	91.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FB-02
Sample ID: 735679014
Matrix: WQ
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.50	+/-1.06	1.63	+/-1.14	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.04	+/-1.26	1.63	+/-1.35		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.53	+/-0.685	0.706	+/-0.728	1.00	pCi/L			AW6	08/26/25	0950	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	83.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 26, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-04
Sample ID: 735679015
Matrix: WQ
Collect Date: 29-JUL-25
Receive Date: 30-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.96	+/-1.15	1.71	+/-1.28	3.00	pCi/L			CH7	08/06/25	1014	2838904	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.26	+/-1.19	1.71	+/-1.31		pCi/L			NXL1	08/26/25	1206	2850109	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.300	+/-0.300	0.422	+/-0.305	1.00	pCi/L			AW6	08/26/25	0950	2840344	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2838904	76	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2850109

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735679001	KRA-GWA-8
735679002	KRA-GWB-4R
735679003	KRA-GRL-FB-01
735679004	KRA-GWA-7
735679005	KRA-GWB-6R
735679006	KRA-GWC-1
735679007	KRA-GWC-11
735679008	KRA-GWC-17
735679009	KRA-GWC-20
735679010	KRA-GWC-22
735679011	KRA-MW-23D
735679012	KRA-MW-26D
735679013	KRA-GRL-FD-01
735679014	KRA-GRL-FB-02
735679015	KRA-GRL-EB-04

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2838904

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735679001	KRA-GWA-8
735679002	KRA-GWB-4R
735679003	KRA-GRL-FB-01
735679004	KRA-GWA-7
735679005	KRA-GWB-6R
735679006	KRA-GWC-1
735679007	KRA-GWC-11

735679008	KRA-GWC-17
735679009	KRA-GWC-20
735679010	KRA-GWC-22
735679011	KRA-MW-23D
735679012	KRA-MW-26D
735679013	KRA-GRL-FD-01
735679014	KRA-GRL-FB-02
735679015	KRA-GRL-EB-04
1206186821	Method Blank (MB)
1206186822	735679001(KRA-GWA-8) Sample Duplicate (DUP)
1206186823	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts
Samples 735679005 (KRA-GWB-6R) and 735679010 (KRA-GWC-22) were re-eluted and recounted to verify sample results. The recounts are reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2840344

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735679001	KRA-GWA-8
735679002	KRA-GWB-4R
735679003	KRA-GRL-FB-01
735679004	KRA-GWA-7
735679005	KRA-GWB-6R
735679006	KRA-GWC-1
735679007	KRA-GWC-11
735679008	KRA-GWC-17
735679009	KRA-GWC-20
735679010	KRA-GWC-22
735679011	KRA-MW-23D
735679012	KRA-MW-26D
735679013	KRA-GRL-FD-01
735679014	KRA-GRL-FB-02
735679015	KRA-GRL-EB-04
1206189553	Method Blank (MB)
1206189554	735679001(KRA-GWA-8) Sample Duplicate (DUP)
1206189555	735679001(KRA-GWA-8) Matrix Spike (MS)
1206189556	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206189555 (KRA-GWA-8MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Client : **Georgia Power, Southern Company**
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **735679**

Report Date: August 26, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2838904										
QC1206186822 735679001 DUP										
Radium-228		2.09	U	1.41	pCi/L	28.7		(0% - 100%)	CH7	08/06/2510:14
Uncert:		+/-1.08		+/-1.01						
TPU:		+/-1.22		+/-1.08						
QC1206186823 LCS										
Radium-228	27.3			27.1	pCi/L		99.2	(75%-125%)	CH7	08/06/2510:14
Uncert:				+/-1.66						
TPU:				+/-7.72						
QC1206186821 MB										
Radium-228			U	0.508	pCi/L				CH7	08/06/2510:14
Uncert:				+/-0.355						
TPU:				+/-0.383						
Rad Ra-226										
Batch 2840344										
QC1206189554 735679001 DUP										
Radium-226		1.32		0.867	pCi/L	41.2		(0% - 100%)	AW6	08/26/2510:07
Uncert:		+/-0.657		+/-0.547						
TPU:		+/-0.723		+/-0.577						
QC1206189556 LCS										
Radium-226	27.1			22.0	pCi/L		81.2	(75%-125%)	AW6	08/26/2510:07
Uncert:				+/-2.67						
TPU:				+/-4.62						
QC1206189553 MB										
Radium-226			U	0.596	pCi/L				AW6	08/26/2509:50
Uncert:				+/-0.547						
TPU:				+/-0.561						
QC1206189555 735679001 MS										
Radium-226	129	1.32		118	pCi/L		90.2	(75%-125%)	AW6	08/26/2510:07
Uncert:		+/-0.657		+/-11.5						
TPU:		+/-0.723		+/-26.0						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **735679**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 735664 735679

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: ~~AA~~ / JM ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)
KRA- GWA-8	07-28-25	1511	G	N	WG			6	✓	✓	✓	
~~KRA- W~~ KRA-GWB-4R	07-28-25	1633	G	N	WG			6	✓	✓	✓	
KRA- GRL-FB-01	07-28-25	1650	G	N	WQ			6	✓	✓	✓	
KRA- GWA-7	07-28-25	1615	G	N	WG			6	✓	✓	✓	
KRA- GWB-6R	07-29-25	0825	G	N	WG			6	✓	✓	✓	
KRA- GWC-1	07-29-25	1312	G	N	WG			6	✓	✓	✓	
KRA- GWC-11	07-29-25	1210	G	N	WG			6	✓	✓	✓	
KRA- GWC-17	07-29-25	1708	G	N	WG			6	✓	✓	✓	
KRA- GWC-20	07-29-25	1439	G	N	WG			6	✓	✓	✓	
KRA- GWC-22	07-29-25	1534	G	N	WG			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	7-30-25	0806	[signature]	7.30.25	10.00
2	[signature]	7.30.25	10:00	[signature]	7/30/25	08:08
3				Thyoasa Tchu	7/30/25	10:00

TAT Requested: Normal: x Rush: _____ Specify: _____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 0 °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116

Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: HA, JM ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: (7) Known or possible Hazards	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- MW-23D	07-29-25	1621	G	N	WG		(H) 6	6	✓	✓	✓	
KRA- MW-26D	07-29-25	0948	G	N	WG			6	✓	✓	✓	
KRA- GRL-FD-01	07-29-25	—	G	N	WG			6	✓	✓	✓	
KRA- GRL-FB-02	07-29-25	1525	G	N	WQ			6	✓	✓	✓	
KRA- GRL-EB-04	07-29-25	1100	G	N	WQ			6	✓	✓	✓	
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	HALP	7-30-25	0806	[illegible]	7.30.25	10:00
2	[illegible]	7.30.25	10:00	[illegible]	7-30-25	08:06
3				Hyperaction	7/30/25	10:00

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 0 °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 735664 735679 735682 | GEL PM: AP

Received By: CLM | Date Received at GEL: 7/30/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	0°				
2	0°				
3	0°				
4	0°				
5	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-GRL-EB-04 (All 3 Radium 226/228) If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5) KRA-GWA-8 (All 3 Radium 226/228), 1 of 3 analysis Radium 226/228 ID: KRA-GWA-7.

PM (or PMA) review: Initials HH Date 7/31/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 26 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 14, 2025

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 735682

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 30, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
735682001	KRA-GWA-7	Ground Water	07/28/25 16:15	07/30/25 10:00

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

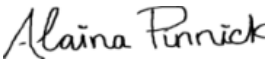
Method	Run Date ID
SW846 3005A	31-JUL-2025
SW846 7470A Prep	06-AUG-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
SW846 3005A/6020B	11-AUG-2025
SW846 3005A/6020B	13-AUG-2025
SW846 7470A	07-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 735682 GEL Work Order: 735682

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	735682001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JUL-25 16:15		
Receive Date:	30-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Dissolved Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/07/25	1015	2841811	1
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/11/25	0319	2838670	2
Arsenic	J	0.00380	0.00200	0.00500	mg/L	1.00	1					
Barium		0.196	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		3.51	0.0800	0.200	mg/L	1.00	1					
Chromium		0.0130	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00146	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.00894	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium		0.150	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron		8.75	1.04	3.00	mg/L	1.00	200	PRB	08/13/25	1703	2838670	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/06/25	1140	2841808
SW846 3005A	ICP-MS 3005A PREP	CJ3	07/31/25	0830	2838669

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	
2	SW846 3005A/6020B	
3	SW846 3005A/6020B	

Notes:

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	735682001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: August 14, 2025

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **735682**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2838670										
QC1206186411 LCS										
Antimony	0.0500			0.0479	mg/L		95.8	(80%-120%)	PRB	08/11/25 02:13
Arsenic	0.0500			0.0500	mg/L		99.9	(80%-120%)		
Barium	0.0500			0.0497	mg/L		99.4	(80%-120%)		
Beryllium	0.0500			0.0551	mg/L		110	(80%-120%)		
Boron	0.100			0.102	mg/L		102	(80%-120%)		08/13/25 15:16
Cadmium	0.0500			0.0498	mg/L		99.7	(80%-120%)		08/11/25 02:13
Calcium	2.00			2.19	mg/L		110	(80%-120%)		
Chromium	0.0500			0.0518	mg/L		104	(80%-120%)		
Cobalt	0.0500			0.0515	mg/L		103	(80%-120%)		
Lead	0.0500			0.0500	mg/L		100	(80%-120%)		
Lithium	0.0500			0.0527	mg/L		105	(80%-120%)		
Molybdenum	0.0500			0.0483	mg/L		96.7	(80%-120%)		

QC Summary

Workorder: **735682**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2838670										
Selenium	0.0500			0.0496	mg/L		99.2	(80%-120%)	PRB	08/11/25 02:13
Thallium	0.0500			0.0475	mg/L		95	(80%-120%)		
Vanadium	0.0500			0.0525	mg/L		105	(80%-120%)		
Zinc	0.0500			0.0528	mg/L		106	(80%-120%)		
QC1206186410 MB										
Antimony			U	ND	mg/L					08/11/25 02:10
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					08/13/25 15:13
Cadmium			U	ND	mg/L					08/11/25 02:10
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					

QC Summary

Workorder: **735682**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2838670											
Lithium				U	ND	mg/L				PRB	08/11/25 02:10
Molybdenum				U	ND	mg/L					
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
Vanadium				U	ND	mg/L					
Zinc				U	ND	mg/L					
QC1206186412 735664001 MS											
Antimony	0.0500	U	ND		0.0477	mg/L		94.9	(75%-125%)		08/11/25 02:18
Arsenic	0.0500	U	ND		0.0504	mg/L		98.3	(75%-125%)		
Barium	0.0500		0.0537		0.101	mg/L		94.9	(75%-125%)		
Beryllium	0.0500	J	0.000227		0.0537	mg/L		107	(75%-125%)		
Boron	0.100		0.280		0.357	mg/L		76.8	(75%-125%)		08/13/25 15:22
Cadmium	0.0500	U	ND		0.0502	mg/L		100	(75%-125%)		08/11/25 02:18
Calcium	2.00		18.3		19.9	mg/L		N/A	(75%-125%)		
Chromium	0.0500	U	ND		0.0497	mg/L		97.9	(75%-125%)		

QC Summary

Workorder: **735682**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2838670											
Cobalt	0.0500	J	0.000397		0.0498	mg/L		98.7	(75%-125%)	PRB	08/11/25 02:18
Lead	0.0500	U	ND		0.0491	mg/L		98.1	(75%-125%)		
Lithium	0.0500	U	ND		0.0530	mg/L		104	(75%-125%)		
Molybdenum	0.0500	U	ND		0.0518	mg/L		103	(75%-125%)		
Selenium	0.0500	U	ND		0.0490	mg/L		96.3	(75%-125%)		
Thallium	0.0500	U	ND		0.0471	mg/L		94.1	(75%-125%)		
Vanadium	0.0500	J	0.00341		0.0517	mg/L		96.7	(75%-125%)		
Zinc	0.0500	U	ND		0.0519	mg/L		100	(75%-125%)		
QC1206186413 735664001 MSD											
Antimony	0.0500	U	ND		0.0501	mg/L	5.06	99.9	(0%-20%)		08/11/25 02:21
Arsenic	0.0500	U	ND		0.0518	mg/L	2.78	101	(0%-20%)		
Barium	0.0500		0.0537		0.104	mg/L	2.57	100	(0%-20%)		
Beryllium	0.0500	J	0.000227		0.0543	mg/L	1.09	108	(0%-20%)		
Boron	0.100		0.280		0.382	mg/L	6.86	102	(0%-20%)		08/13/25 15:25
Cadmium	0.0500	U	ND		0.0511	mg/L	1.87	102	(0%-20%)		08/11/25 02:21

QC Summary

Workorder: **735682**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2838670											
Calcium	2.00		18.3		20.4	mg/L	2.38	N/A	(0%-20%)	PRB	08/11/25 02:21
Chromium	0.0500	U	ND		0.0514	mg/L	3.45	101	(0%-20%)		
Cobalt	0.0500	J	0.000397		0.0508	mg/L	1.98	101	(0%-20%)		
Lead	0.0500	U	ND		0.0503	mg/L	2.42	101	(0%-20%)		
Lithium	0.0500	U	ND		0.0539	mg/L	1.65	105	(0%-20%)		
Molybdenum	0.0500	U	ND		0.0526	mg/L	1.55	105	(0%-20%)		
Selenium	0.0500	U	ND		0.0513	mg/L	4.57	101	(0%-20%)		
Thallium	0.0500	U	ND		0.0486	mg/L	3.01	97	(0%-20%)		
Vanadium	0.0500	J	0.00341		0.0543	mg/L	4.87	102	(0%-20%)		
Zinc	0.0500	U	ND		0.0538	mg/L	3.67	104	(0%-20%)		
QC1206186415 735664001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/11/25 02:27
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			53.7		11.4	ug/L	6		(0%-20%)		
Beryllium		J	0.227	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **735682**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2838670										
Boron		280	J	322	ug/L	14.9		(0%-20%)	PRB	08/13/25 15:32
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		08/11/25 02:27
Calcium		18300		3910	ug/L	6.81		(0%-20%)		
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Cobalt	J	0.397	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Vanadium	J	3.41	U	ND	ug/L	N/A		(0%-20%)		
Zinc	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2841811										
QC1206192350 733831005 DUP										
Mercury		0.000551		0.000615	mg/L	11	^	(+/-0.000200)	JP2	08/07/25 09:52

QC Summary

Workorder: **735682**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-Mercury										
Batch 2841811										
QC1206192348 LCS										
Mercury	0.00200			0.00203	mg/L		101	(80%-120%)	JP2	08/07/25 09:46
QC1206192347 MB										
Mercury			U	ND	mg/L					08/07/25 09:44
QC1206192351 733831005 MS										
Mercury	0.00200	0.000551		0.00263	mg/L		104	(75%-125%)		08/07/25 09:54

Notes:

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
x	Subaliquot was taken. See Case Narrative for details.

QC Summary

Workorder: **735682**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals
Technical Case Narrative
Georgia Power Company
SDG #: 735682

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2838670

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2838669

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735682001	KRA-GWA-7
1206186410	Method Blank (MB)**ICP-MS**
1206186411	Laboratory Control Sample (LCS)
1206186415	735664001(KRA-GWA-8L) Serial Dilution (SD)
1206186412	735664001(KRA-GWA-8S) Matrix Spike (MS)
1206186413	735664001(KRA-GWA-8SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Sample 735682001 (KRA-GWA-7) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	**735682**
	001
Boron	200X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**

Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2841811

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2841808

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735682001	KRA-GWA-7
1206192347	Method Blank (MB)**CVAA**
1206192348	Laboratory Control Sample (LCS)
1206192350	733831005(NonSDGD) Sample Duplicate (DUP)
1206192351	733831005(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

735682

Client Name: GA Power Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: H. Auld, J. May ACC Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	Dissolved Metals EPA 6020/6010 FTO						<-- Preservative Type (6)
KRA- GWA-7	07-28-25	1615	G	X Y	WG			1				✓						Field Filtered
KRA-																		
KRA-																		
KRA-																		
KRA-																		
KRA-																		
KRA-																		
KRA-																		
KRA-																		
KRA-																		

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time		Received by (signed)	Date	Time
1	H Auld	7-30-25	0806	1		7.30.25	10:00
2		7-30-25	10:00	2		7-30-25	08:06
3				3	Thyssa Rotan Tyson		10:08

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)
Fax Results: [ ] Yes [x] No
Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4
Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg
For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No *Cooler Temp:* 0 °C
Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: WD=Drinking Water, WG=Groundwater, WS=Surface Water, WW=Waste Water, WL=Leachate, SO=Soil, SE=Sediment, SL=Sludge, WQ=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic Hg= Mercury
Ba = Barium Se= Selenium
Cd = Cadmium Ag= Silver
Cr = Chromium MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 735664 735679 735682 | GEL PM: AP

Received By: CLM | Date Received at GEL: 7/30/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
cooler 1	0°				
2	0°				
3	0°				
4	0°				
5	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-GRL-EB-04 (All 3 Radium 226/228) If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5) KRA-GWA-8 (All 3 Radium 226/228), & 1 of 3 analysis Radium 226/228 ID: KRA-GWA-7.

PM (or PMA) review: Initials HH Date 7/31/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 14 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 18, 2025

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 736004

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 31, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. Samples were received outside of pH specification for Ra226/228 analysis. Samples were preserved with nitric acid lot number 250721BP*736004004(KRA-GWC-12), 736004008(KRA-GWC-16)*. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
736004001	KRA-GWB-5R	Ground Water	07/30/25 13:45	07/31/25 10:54
736004002	KRA-GWC-2	Ground Water	07/30/25 15:26	07/31/25 10:54
736004003	KRA-GWC-9	Ground Water	07/30/25 08:53	07/31/25 10:54
736004004	KRA-GWC-12	Ground Water	07/30/25 11:50	07/31/25 10:54
736004005	KRA-GWC-13	Ground Water	07/30/25 13:44	07/31/25 10:54
736004006	KRA-GWC-15	Ground Water	07/30/25 14:45	07/31/25 10:54
736004007	KRA-GWC-14	Ground Water	07/30/25 15:55	07/31/25 10:54
736004008	KRA-GWC-16	Ground Water	07/30/25 11:20	07/31/25 10:54
736004009	KRA-GWC-21	Ground Water	07/30/25 13:12	07/31/25 10:54
736004010	KRA-MW-24D	Ground Water	07/30/25 09:38	07/31/25 10:54
736004011	KRA-GRL-FD-02	Ground Water	07/30/25 12:00	07/31/25 10:54
736004012	KRA-GRL-FD-03	Ground Water	07/30/25 12:00	07/31/25 10:54
736004013	KRA-GRL-FB-03	Ground Water	07/30/25 12:40	07/31/25 10:54
736004014	KRA-GRL-EB-05	Water	07/30/25 14:00	07/31/25 10:54
736004015	KRA-GRL-EB-06	Water	07/30/25 15:45	07/31/25 10:54

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

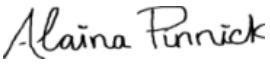
Method	Run Date ID
SW846 3005A	01-AUG-2025
SW846 7470A Prep	07-AUG-2025

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	01-AUG-2025
EPA 300.0	02-AUG-2025
EPA 300.0	31-JUL-2025
SM 2540C	06-AUG-2025
SW846 3005A/6020B	12-AUG-2025
SW846 3005A/6020B	13-AUG-2025
SW846 3005A/6020B	14-AUG-2025
SW846 3005A/6020B	15-AUG-2025
SW846 7470A	08-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 736004 GEL Work Order: 736004

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

H Analytical holding time was exceeded

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-5R	Project:	GPCC00125
Sample ID:	736004001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	30-JUL-25 13:45		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	07/31/25	2123	2839533	1
Chloride		41.6	0.670	2.00	mg/L		10	CH6	08/01/25	1739	2839533	2
Sulfate		661	13.3	40.0	mg/L		100	CH6	08/01/25	1911	2839533	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	0955	2842621	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/12/25	1933	2839390	5
Arsenic	J	0.00227	0.00200	0.00500	mg/L	1.00	1					
Barium		0.129	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000888	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000258	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00844	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	1933	2839390	6
Boron		3.24	0.260	0.750	mg/L	1.00	50	PRB	08/13/25	1740	2839390	7
Calcium		102	4.00	10.0	mg/L	1.00	50					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1110	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-5R	Project:	GPCC00125
Sample ID:	736004001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-2
Sample ID: 736004002
Matrix: WG
Collect Date: 30-JUL-25 15:26
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.72	0.0670	0.200	mg/L		1	CH6	07/31/25	2256	2839533	1
Fluoride	J	0.0506	0.0330	0.100	mg/L		1					
Sulfate		11.6	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	0957	2842621	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1450	2839390	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0484	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		0.233	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00539	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	1952	2839390	4
Boron		0.0235	0.00520	0.0150	mg/L	1.00	1	PRB	08/15/25	1623	2839390	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		20.0	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-2	Project:	GPCC00125
Sample ID:	736004002	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-9	Project:	GPCC00125
Sample ID:	736004003	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	30-JUL-25 08:53		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0743	0.0330	0.100	mg/L		1	CH6	07/31/25	2327	2839533	1
Chloride		22.5	0.335	1.00	mg/L		5	CH6	08/01/25	2044	2839533	2
Sulfate		22.6	0.665	2.00	mg/L		5					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	0958	2842621	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1453	2839390	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.173	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		4.81	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00104	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00373	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	J	0.000212	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	1955	2839390	5
Boron		0.0191	0.00520	0.0150	mg/L	1.00	1	PRB	08/15/25	1625	2839390	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		90.0	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-9	Project:	GPCC00125
Sample ID:	736004003	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-12
Sample ID: 736004004
Matrix: WG
Collect Date: 30-JUL-25 11:50
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride		0.137	0.0330	0.100	mg/L		1	CH6	08/01/25	0059	2839533	1
Chloride		52.3	3.35	10.0	mg/L		50	CH6	08/01/25	2115	2839533	2
Sulfate		388	6.65	20.0	mg/L		50					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1000	2842621	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1456	2839390	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0190	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000595	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.0107	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	J	0.000339	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	1957	2839390	5
Boron		6.57	0.520	1.50	mg/L	1.00	100	PRB	08/13/25	1805	2839390	6
Calcium		51.6	8.00	20.0	mg/L	1.00	100					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		638	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-12	Project:	GPCC00125
Sample ID:	736004004	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-13	Project:	GPCC00125
Sample ID:	736004005	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	30-JUL-25 13:44		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.46	0.0670	0.200	mg/L		1	CH6	08/01/25	0130	2839533	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		46.6	0.665	2.00	mg/L		5	CH6	08/01/25	2146	2839533	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1002	2842621	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1459	2839390	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0564	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		6.09	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00332	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0151	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2000	2839390	5
Boron		0.238	0.0520	0.150	mg/L	1.00	10	PRB	08/13/25	1808	2839390	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		114	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-13	Project:	GPCC00125
Sample ID:	736004005	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-15
Sample ID: 736004006
Matrix: WG
Collect Date: 30-JUL-25 14:45
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.71	0.0670	0.200	mg/L		1	CH6	08/01/25	0201	2839533	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		74.0	0.665	2.00	mg/L		5	CH6	08/01/25	2216	2839533	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1003	2842621	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1501	2839390	4
Arsenic		0.325	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0553	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0410	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00438	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2003	2839390	5
Boron		0.708	0.0520	0.150	mg/L	1.00	10	PRB	08/13/25	1811	2839390	6
Calcium		137	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		544	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-15	Project:	GPCC00125
Sample ID:	736004006	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-14	Project:	GPCC00125
Sample ID:	736004007	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	30-JUL-25 15:55		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	08/01/25	0232	2839533	1
Chloride		37.1	1.34	4.00	mg/L		20	CH6	08/01/25	2349	2839533	2
Sulfate		219	2.66	8.00	mg/L		20					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1005	2842621	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1306	2839390	4
Arsenic	J	0.00239	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0931	0.000670	0.00400	mg/L	1.00	1					
Boron		0.0576	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0186	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00432	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00867	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2006	2839390	5
Calcium		136	0.800	2.00	mg/L	1.00	10	PRB	08/13/25	1814	2839390	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		722	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-14	Project:	GPCC00125
Sample ID:	736004007	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-16
Sample ID: 736004008
Matrix: WG
Collect Date: 30-JUL-25 11:20
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	08/01/25	0303	2839533	1
Chloride		40.8	0.670	2.00	mg/L		10	CH6	08/02/25	0020	2839533	2
Sulfate		1360	26.6	80.0	mg/L		200	CH6	08/02/25	0051	2839533	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1006	2842621	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1504	2839390	5
Arsenic		0.170	0.00200	0.00500	mg/L	1.00	1					
Barium		0.105	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0922	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00347	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00574	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2008	2839390	6
Boron		18.1	1.04	3.00	mg/L	1.00	200	PRB	08/13/25	1817	2839390	7
Calcium		191	16.0	40.0	mg/L	1.00	200					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2100	4.76	20.0	mg/L			SC1	08/06/25	1617	2841727	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-16	Project:	GPCC00125
Sample ID:	736004008	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-21	Project:	GPCC00125
Sample ID:	736004009	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	30-JUL-25 13:12		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	08/01/25	0334	2839533	1
Chloride		17.6	0.335	1.00	mg/L		5	CH6	08/02/25	0122	2839533	2
Sulfate		413	6.65	20.0	mg/L		50	CH6	08/02/25	0152	2839533	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1011	2842621	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1507	2839390	5
Arsenic		0.0280	0.00200	0.00500	mg/L	1.00	1					
Barium		0.172	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0361	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.00521	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00587	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2011	2839390	6
Boron		4.60	0.260	0.750	mg/L	1.00	50	PRB	08/13/25	1821	2839390	7
Calcium		93.3	4.00	10.0	mg/L	1.00	50					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		735	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-21	Project:	GPCC00125
Sample ID:	736004009	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-24D
Sample ID: 736004010
Matrix: WG
Collect Date: 30-JUL-25 09:38
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.11	0.0670	0.200	mg/L		1	CH6	08/01/25	0405	2839533	1
Fluoride	J	0.0345	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1013	2842621	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/13/25	1824	2839390	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0256	0.000670	0.00400	mg/L	1.00	1					
Boron		0.0214	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		2.19	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000628	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2019	2839390	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		42.0	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-24D	Project:	GPCC00125
Sample ID:	736004010	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-02
Sample ID: 736004011
Matrix: WG
Collect Date: 30-JUL-25 12:00
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.09	0.0670	0.200	mg/L		1	CH6	08/01/25	0435	2839533	1
Fluoride	J	0.0354	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1015	2842621	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/13/25	1827	2839390	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0246	0.000670	0.00400	mg/L	1.00	1					
Boron		0.0185	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		2.05	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000602	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00393	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2022	2839390	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		33.0	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-02	Project:	GPCC00125
Sample ID:	736004011	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-03
Sample ID: 736004012
Matrix: WG
Collect Date: 30-JUL-25 12:00
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.74	0.0670	0.200	mg/L		1	CH6	08/01/25	0506	2839533	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		73.7	0.665	2.00	mg/L		5	CH6	08/02/25	0223	2839533	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1016	2842621	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/14/25	1521	2839390	4
Arsenic		0.326	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0552	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0422	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00489	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2025	2839390	5
Boron		0.727	0.0520	0.150	mg/L	1.00	10	PRB	08/13/25	1829	2839390	6
Calcium		140	0.800	2.00	mg/L	1.00	10					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		529	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-03	Project:	GPCC00125
Sample ID:	736004012	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-03	Project:	GPCC00125
Sample ID:	736004013	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	30-JUL-25 12:40		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	08/01/25	0537	2839533	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1018	2842621	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/13/25	1838	2839390	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2028	2839390	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-03	Project:	GPCC00125
Sample ID:	736004013	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-05
Sample ID: 736004014
Matrix: WQ
Collect Date: 30-JUL-25 14:00
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	08/01/25	0710	2839533	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	J	0.191	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1020	2842621	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/13/25	1841	2839390	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2030	2839390	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-05	Project:	GPCC00125
Sample ID:	736004014	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-06
Sample ID: 736004015
Matrix: WQ
Collect Date: 30-JUL-25 15:45
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	J	0.199	0.0670	0.200	mg/L		1	CH6	08/02/25	0254	2839533	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1021	2842621	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/13/25	1844	2839390	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		0.707	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2033	2839390	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-06	Project:	GPCC00125
Sample ID:	736004015	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-25D	Project:	GPCC00125
Sample ID:	736004016	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	30-JUL-25 15:25		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.07	0.0670	0.200	mg/L		1	CH6	08/01/25	0811	2839533	1
Fluoride		0.110	0.0330	0.100	mg/L		1					
Sulfate	J	0.181	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	08/08/25	1023	2842621	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	08/13/25	1847	2839390	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0255	0.000670	0.00400	mg/L	1.00	1					
Boron		0.0169	0.00520	0.0150	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		3.07	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0132	0.00330	0.0200	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	PRB	08/12/25	2036	2839390	4
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		67.0	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	5

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839389
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 18, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-25D	Project:	GPCC00125
Sample ID:	736004016	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: August 18, 2025

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **736004**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2839533										
QC1206188004 736004001 DUP										
Chloride		41.6		41.6	mg/L	0.216		(0%-20%)	CH6	08/01/25 18:10
Fluoride	U	ND	U	ND	mg/L	N/A				07/31/25 21:54
Sulfate		661		662	mg/L	0.0998		(0%-20%)		08/01/25 19:42
QC1206188006 736031001 DUP										
Chloride		185		185	mg/L	0.0338		(0%-20%)		08/01/25 09:13
Fluoride		1.07		1.08	mg/L	1.7		(0%-20%)		07/31/25 18:18
Sulfate		1.15		0.875	mg/L	27.2	^	(+/-0.400)		
QC1206188003 LCS										
Chloride	5.00			4.63	mg/L		92.6	(90%-110%)		07/31/25 20:53
Fluoride	2.50			2.45	mg/L		98	(90%-110%)		
Sulfate	10.0			9.58	mg/L		95.8	(90%-110%)		
QC1206188002 MB										
Chloride			U	ND	mg/L					07/31/25 20:22
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **736004**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2839533											
QC1206188005 736004001 PS											
Chloride	5.00		4.16		9.50	mg/L		107	(90%-110%)	CH6	08/01/25 18:40
Fluoride	2.50	U	ND		2.52	mg/L		101	(90%-110%)		07/31/25 22:25
Sulfate	10.0		6.61		16.9	mg/L		103	(90%-110%)		08/01/25 20:13
QC1206188007 736031001 PS											
Chloride	5.00		7.40		13.1	mg/L		114*	(90%-110%)		08/01/25 09:44
Fluoride	2.50		1.07		3.46	mg/L		95.6	(90%-110%)		07/31/25 18:49
Sulfate	10.0		1.15		10.6	mg/L		94.1	(90%-110%)		
Metals Analysis - ICPMS											
Batch 2839390											
QC1206187807 LCS											
Antimony	0.0500				0.0524	mg/L		105	(80%-120%)	PRB	08/12/25 19:30
Arsenic	0.0500				0.0544	mg/L		109	(80%-120%)		
Barium	0.0500				0.0529	mg/L		106	(80%-120%)		
Beryllium	0.0500				0.0599	mg/L		120	(80%-120%)		
Boron	0.100				0.101	mg/L		101	(80%-120%)		08/13/25 17:37
Cadmium	0.0500				0.0519	mg/L		104	(80%-120%)		08/12/25 19:30
Calcium	2.00				2.31	mg/L		116	(80%-120%)		

QC Summary

Workorder: **736004**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2839390										
Chromium	0.0500			0.0559	mg/L		112	(80%-120%)	PRB	08/12/25 19:30
Cobalt	0.0500			0.0532	mg/L		106	(80%-120%)		
Lead	0.0500			0.0533	mg/L		107	(80%-120%)		
Lithium	0.0500			0.0564	mg/L		113	(80%-120%)		
Molybdenum	0.0500			0.0503	mg/L		101	(80%-120%)		
Selenium	0.0500			0.0547	mg/L		109	(80%-120%)		
Thallium	0.0500			0.0507	mg/L		101	(80%-120%)		
Vanadium	0.0500			0.0562	mg/L		112	(80%-120%)		
Zinc	0.0500			0.0565	mg/L		113	(80%-120%)		
QC1206187806 MB										
Antimony			U	ND	mg/L					08/12/25 19:27
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					08/13/25 17:35

QC Summary

Workorder: **736004**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2839390										
Cadmium			U	ND	mg/L				PRB	08/12/25 19:27
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Selenium			U	ND	mg/L					
Thallium			U	ND	mg/L					
Vanadium			J	0.00514	mg/L					
Zinc			U	ND	mg/L					
QC1206187808 736004001 MS										
Antimony	0.0500	U	ND	0.0533	mg/L		106	(75%-125%)		08/12/25 19:35
Arsenic	0.0500	J	0.00227	0.0590	mg/L		113	(75%-125%)		
Barium	0.0500		0.129	0.178	mg/L		98.4	(75%-125%)		

QC Summary

Workorder: **736004**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2839390											
Beryllium	0.0500	U	ND		0.0536	mg/L		107	(75%-125%)	PRB	08/12/25 19:35
Boron	0.100		3.24		3.30	mg/L		N/A	(75%-125%)		08/13/25 17:43
Cadmium	0.0500	U	ND		0.0517	mg/L		103	(75%-125%)		08/12/25 19:35
Calcium	2.00		102		106	mg/L		N/A	(75%-125%)		08/13/25 17:43
Chromium	0.0500	U	ND		0.0520	mg/L		101	(75%-125%)		08/12/25 19:35
Cobalt	0.0500	J	0.000888		0.0505	mg/L		99.3	(75%-125%)		
Lead	0.0500	U	ND		0.0478	mg/L		95.6	(75%-125%)		
Lithium	0.0500	U	ND		0.0528	mg/L		105	(75%-125%)		
Molybdenum	0.0500	J	0.000258		0.0550	mg/L		109	(75%-125%)		
Selenium	0.0500	U	ND		0.0555	mg/L		109	(75%-125%)		
Thallium	0.0500	U	ND		0.0461	mg/L		92	(75%-125%)		
Vanadium	0.0500	J	0.00844		0.0611	mg/L		105	(75%-125%)		
Zinc	0.0500	U	ND		0.0544	mg/L		102	(75%-125%)		
QC1206187809 736004001 MSD											
Antimony	0.0500	U	ND		0.0531	mg/L	0.31	106	(0%-20%)		08/12/25 19:38

QC Summary

Workorder: **736004**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2839390											
Arsenic	0.0500	J	0.00227		0.0598	mg/L	1.36	115	(0%-20%)	PRB	08/12/25 19:38
Barium	0.0500		0.129		0.179	mg/L	0.821	101	(0%-20%)		
Beryllium	0.0500	U	ND		0.0552	mg/L	2.97	110	(0%-20%)		
Boron	0.100		3.24		3.19	mg/L	3.62	N/A	(0%-20%)		08/13/25 17:47
Cadmium	0.0500	U	ND		0.0522	mg/L	0.99	104	(0%-20%)		08/12/25 19:38
Calcium	2.00		102		99.8	mg/L	6.24	N/A	(0%-20%)		08/13/25 17:47
Chromium	0.0500	U	ND		0.0523	mg/L	0.575	101	(0%-20%)		08/12/25 19:38
Cobalt	0.0500	J	0.000888		0.0513	mg/L	1.51	101	(0%-20%)		
Lead	0.0500	U	ND		0.0481	mg/L	0.744	96.3	(0%-20%)		
Lithium	0.0500	U	ND		0.0529	mg/L	0.284	105	(0%-20%)		
Molybdenum	0.0500	J	0.000258		0.0544	mg/L	1.02	108	(0%-20%)		
Selenium	0.0500	U	ND		0.0556	mg/L	0.184	110	(0%-20%)		
Thallium	0.0500	U	ND		0.0475	mg/L	3.07	94.9	(0%-20%)		
Vanadium	0.0500	J	0.00844		0.0623	mg/L	2.03	108	(0%-20%)		

QC Summary

Workorder: **736004**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2839390											
Zinc	0.0500	U	ND		0.0549	mg/L	0.873	103	(0%-20%)	PRB	08/12/25 19:38
QC1206187811 736004001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/12/25 19:44
Arsenic		J	2.27	U	ND	ug/L	N/A		(0%-20%)		
Barium			129		25.6	ug/L	.506		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron			3240	J	3240	ug/L	.215		(0%-20%)		08/13/25 17:50
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/12/25 19:44
Calcium			102000		82200	ug/L	19.7		(0%-20%)		08/13/25 17:50
Chromium		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/12/25 19:44
Cobalt		J	0.888	U	ND	ug/L	N/A		(0%-20%)		
Lead		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum		J	0.258	J	0.259	ug/L	402		(0%-20%)		
Selenium		U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **736004**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2839390										
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	08/12/25 19:44
Vanadium	J	8.44	U	ND	ug/L	N/A		(0%-20%)		
Zinc	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2842621										
QC1206193798 733529005 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	08/08/25 09:45
QC1206193797 LCS										
Mercury 0.00200				0.00203	mg/L		101	(80%-120%)		08/08/25 09:42
QC1206193796 MB										
Mercury			U	ND	mg/L					08/08/25 09:41
QC1206193799 733529005 MS										
Mercury 0.00200	U	ND		0.00197	mg/L		98.6	(75%-125%)		08/08/25 09:47
Solids Analysis										
Batch 2841727										
QC1206192161 736004008 DUP										
Total Dissolved Solids		2100		2140	mg/L	1.51		(0%-5%)	SC1	08/06/25 16:17
QC1206192159 LCS										
Total Dissolved Solids 300				301	mg/L		100	(95%-105%)		08/06/25 16:17
QC1206192158 MB										
Total Dissolved Solids			U	ND	mg/L					08/06/25 16:17

Notes:

QC Summary

Workorder: **736004**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 736004

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2839390

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2839389

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736004001	KRA-GWB-5R
736004002	KRA-GWC-2
736004003	KRA-GWC-9
736004004	KRA-GWC-12
736004005	KRA-GWC-13
736004006	KRA-GWC-15
736004007	KRA-GWC-14
736004008	KRA-GWC-16
736004009	KRA-GWC-21
736004010	KRA-MW-24D
736004011	KRA-GRL-FD-02
736004012	KRA-GRL-FD-03
736004013	KRA-GRL-FB-03
736004014	KRA-GRL-EB-05
736004015	KRA-GRL-EB-06
736004016	KRA-MW-25D
1206187806	Method Blank (MB)**ICP-MS**
1206187807	Laboratory Control Sample (LCS)
1206187811	736004001(KRA-GWB-5RL) Serial Dilution (SD)
1206187808	736004001(KRA-GWB-5RS) Matrix Spike (MS)
1206187809	736004001(KRA-GWB-5RSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 736004001 (KRA-GWB-5R), 736004004 (KRA-GWC-12), 736004005 (KRA-GWC-13), 736004006 (KRA-GWC-15), 736004007 (KRA-GWC-14), 736004008 (KRA-GWC-16), 736004009 (KRA-GWC-21) and 736004012 (KRA-GRL-FD-03) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	736004							
	001	**004**	**005**	**006**	**007**	**008**	**009**	**012**
Boron	50X	100X	10X	10X		200X	50X	10X
Calcium	50X	100X		10X	10X	200X	50X	10X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2842621

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2842616

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736004001	KRA-GWB-5R
736004002	KRA-GWC-2
736004003	KRA-GWC-9
736004004	KRA-GWC-12
736004005	KRA-GWC-13
736004006	KRA-GWC-15
736004007	KRA-GWC-14
736004008	KRA-GWC-16
736004009	KRA-GWC-21
736004010	KRA-MW-24D
736004011	KRA-GRL-FD-02
736004012	KRA-GRL-FD-03
736004013	KRA-GRL-FB-03
736004014	KRA-GRL-EB-05
736004015	KRA-GRL-EB-06
736004016	KRA-MW-25D
1206193796	Method Blank (MB)**CVAA**
1206193797	Laboratory Control Sample (LCS)
1206193798	733529005(NonSDGD) Sample Duplicate (DUP)
1206193799	733529005(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report

met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2839533

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736004001	KRA-GWB-5R
736004002	KRA-GWC-2
736004003	KRA-GWC-9
736004004	KRA-GWC-12
736004005	KRA-GWC-13
736004006	KRA-GWC-15
736004007	KRA-GWC-14
736004008	KRA-GWC-16
736004009	KRA-GWC-21
736004010	KRA-MW-24D
736004011	KRA-GRL-FD-02
736004012	KRA-GRL-FD-03
736004013	KRA-GRL-FB-03
736004014	KRA-GRL-EB-05
736004015	KRA-GRL-EB-06
736004016	KRA-MW-25D
1206188002	Method Blank (MB)
1206188003	Laboratory Control Sample (LCS)
1206188004	736004001(KRA-GWB-5R) Sample Duplicate (DUP)
1206188005	736004001(KRA-GWB-5R) Post Spike (PS)
1206188006	736031001(KRA-CLIFTON-SEEP) Sample Duplicate (DUP)
1206188007	736031001(KRA-CLIFTON-SEEP) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Chloride	1206188007 (KRA-CLIFTON-SEEPPS)	114* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1206188004 (KRA-GWB-5RDUP), 1206188005 (KRA-GWB-5RPS), 1206188006 (KRA-CLIFTON-SEEPDUP), 1206188007 (KRA-CLIFTON-SEEPPS), 736004001 (KRA-GWB-5R), 736004003 (KRA-GWC-9), 736004004 (KRA-GWC-12), 736004005 (KRA-GWC-13), 736004006 (KRA-GWC-15), 736004007 (KRA-GWC-14), 736004008 (KRA-GWC-16), 736004009 (KRA-GWC-21) and 736004012 (KRA-GRL-FD-03) were diluted because target analyte concentrations exceeded the calibration range.
The following samples 1206188006 (KRA-CLIFTON-SEEPDUP) and 1206188007 (KRA-CLIFTON-SEEPPS) in this sample group were diluted due to matrix interference. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	736004								
	001	**003**	**004**	**005**	**006**	**007**	**008**	**009**	**012**
Chloride	10X	5X	50X	1X	1X	20X	10X	5X	1X
Sulfate	100X	5X	50X	5X	5X	20X	200X	50X	5X

Sample Re-analysis
Sample 736004015 (KRA-GRL-EB-06) was re-analyzed to verify the result.

Miscellaneous Information

Manual Integrations
Samples 1206188006 (KRA-CLIFTON-SEEPDUP), 1206188007 (KRA-CLIFTON-SEEPPS), 736004003 (KRA-GWC-9), 736004004 (KRA-GWC-12), 736004005 (KRA-GWC-13), 736004010 (KRA-MW-24D), 736004011 (KRA-GRL-FD-02) and 736004016 (KRA-MW-25D) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2841727

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736004001	KRA-GWB-5R
736004002	KRA-GWC-2
736004003	KRA-GWC-9
736004004	KRA-GWC-12
736004005	KRA-GWC-13
736004006	KRA-GWC-15
736004007	KRA-GWC-14
736004008	KRA-GWC-16
736004009	KRA-GWC-21
736004010	KRA-MW-24D
736004011	KRA-GRL-FD-02
736004012	KRA-GRL-FD-03
736004013	KRA-GRL-FB-03
736004014	KRA-GRL-EB-05
736004015	KRA-GRL-EB-06

736004016	KRA-MW-25D
1206192158	Method Blank (MB)
1206192159	Laboratory Control Sample (LCS)
1206192161	736004008(KRA-GWC-16) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A TDS meter was used to check the samples for approximate concentration prior to analysis. 1206192161 (KRA-GWC-16DUP) and 736004008 (KRA-GWC-16).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: 736004

GEL Project Manager: Alaina Pinnick

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA, JM, TG, CK — ACC — Send Results To: SCS & ACC Contacts

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- GWB-5R	07-30-25	1345	G	N	WG			6	✓	✓	✓	
KRA- GWC-2	07-30-25	1526	G	N	WG			6	✓	✓	✓	
KRA- GWC-9	07-30-25	0853	G	N	WG			6	✓	✓	✓	
KRA- GWC-12	07-30-25	1150	G	N	WG			6	✓	✓	✓	
KRA- GWC-13	07-30-25	1344	G	N	WG			6	✓	✓	✓	
KRA- GWC-15	07-30-25	1445	G	N	WG			6	✓	✓	✓	
KRA- GWC-14	07-30-25	1555	G	N	WG			6	✓	✓	✓	
KRA- GWC-16	07-30-25	1120	G	N	WG			6	✓	✓	✓	
KRA- GWC-21	07-30-25	1312	G	N	WG			6	✓	✓	✓	
KRA- MW-24D	07-30-25	0938	G	N	WG			6	✓	✓	✓	

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		07-31-25	1054		7/31/25	1054
2						
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 1.2, 3.3

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: N = Normal Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike Sample, MSD = Matrix Spike Duplicate Sample, G = Grab, C = Composite

3.) Field Filtered: For liquid matrices, indicate with a - Y - for yes the sample was field filtered or - N - for sample was not field filtered.

4.) Matrix Codes: WD=Drinking Water, WG=Groundwater, WS=Surface Water, WW=Waste Water, WL=Leachate, SO=Soil, SE=Sediment, SL=Sludge, WQ=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. 8260B, 6010B/7470A) and number of containers provided for each (i.e. *8260B* - 3, *6010B/7470A* - 1).

6.) Preservative Type: HA = Hydrochloric Acid, NI = Nitric Acid, SH = Sodium Hydroxide, SA = Sulfuric Acid, AA = Ascorbic Acid, HX = Hexane, ST = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic; Hg= Mercury; Ba = Barium; Se= Selenium; Cd = Cadmium; Ag= Silver; Cr = Chromium; MR= Misc. RCRA metals; Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable; CO = Corrosive; RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste *(F,K,P and U-listed wastes.)* *Waste code(s):*

Other
OT= Other / Unknown *(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)* *Description:*

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA, JM, CK, TG — ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)	Comments
KRA- GRL - FD-02	07-30-25	—	G	N	WG			6	✓	✓	✓		
KRA- GRL - FD-03	07-30-25	—	G	N	WG			6	✓	✓	✓		
KRA- GRL - FB-03	07-30-25	1240	G	N	WQ			6	✓	✓	✓		time = 1240
KRA- GRL - EB-05	07-30-25	1400	G	N	WQ			6	✓	✓	✓		
KRA- GRL - EB-06	07-30-25	1545	G	N	WQ			6	✓	✓	✓		
KRA- MW-25D	07-30-25	1525	G	N	WG			6	✓	✓	✓		
KRA-													
KRA-													
KRA-													
KRA-													

Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		07-31-25	1054		7/31/25	1054
2						
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* *Cooler Temp:* 1.2; 3C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 736004 736031 | GEL PM: AP

Received By: CLM | Date Received at GEL: 7/31/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	3°				
5	2°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#: Sulfuric: 2094081328 -KRA-CLIFTON-SEEP analysis!
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) missing time on analysis: TDS ID: KRA-GWC-12.
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) NH3/TKN. Nitric: 250721BP analysis! Metals and 1of3 Ra-226/Ra-228 tried to reperserve they started to foam and did not hold nitric. Sent the other 2 samples as is.

PM (or PMA) review: Initials HH Date 8/1/25

☒ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: CLM Date Received: 7/31/25 SDG/AR/COC/Work Order: 736004

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
cooler 1	2		cooler 6	1	
2	~~2~~ 1		7	1	
3	1				
4	3				
5	~~3~~ 2				
	~~3~~				

Additional Notes:

5.) ID: KRA-GWC-12 and KRA-GWC-16 both analysis Radium 226/228 represerved with nitric, they held.

PM (or PMA) review: Initials HH Date 8/1/25 Page 2 of 2

Outlook

Sample Receipt Discrepancies – Grumman Road Landfill (736004)

From Shanna Hyland <Shanna.Hyland@gel.com>

Date Mon 8/4/2025 11:47 AM

To catidwel@southernco.com <catidwel@southernco.com>; JABRAHAM@SOUTHERNCO.COM <JABRAHAM@SOUTHERNCO.COM>; MJSMILLE@SOUTHERNCO.COM <MJSMILLE@SOUTHERNCO.COM>; NSMUSKUS@SOUTHERNCO.COM <NSMUSKUS@SOUTHERNCO.COM>; lbmidkif@southernco.com <lbmidkif@southernco.com>; Betsy McDaniel <betsy.mcdaniel@atlcc.net>; Chris.parker@atlcc.net <Chris.parker@atlcc.net>; monte.jones@atlcc.net <monte.jones@atlcc.net>; charles.adams@atlcc.net <charles.adams@atlcc.net>; matt.malone@atlcc.net <matt.malone@atlcc.net>; ryan.walker@atlcc.net <ryan.walker@atlcc.net>; KNJURINK@SOUTHERNCO.COM <KNJURINK@SOUTHERNCO.COM>; kmstephe@southernco.com <kmstephe@southernco.com>

Cc Team Pinnick <Team.Pinnick@gel.com>

1 attachment (1 MB)

736004.pdf;

Good morning,

Samples were received at GEL Laboratories on 7/31/25 and the following item(s) were noted:

- **pH Specification:** Sample ID 'KRA-GWC-12' and 'KRA-GWC-16' were not received within the required pH specification for Ra226/Ra228 analysis. These samples were re-preserved with nitric acid lot number 250721BP and held preservation.

Supporting documentation is attached.

Thank you,
Shanna Hyland
Project Manager Assistant

GEL Laboratories LLC EST. 1981

2040 Savage Road, Charleston, SC 29407 |
Office Direct: 843.769.7371 Ext. 4261 |Office Main: 843.556.8171 | Fax: 843.766.1178
E-Mail: shanna.hyland@gel.com | Website: www.gel.com

List of current GEL Certifications as of 18 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 27, 2025

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 736017

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 31, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
736017001	KRA-GWB-5R	Ground Water	07/30/25 13:45	07/31/25 10:54
736017002	KRA-GWC-2	Ground Water	07/30/25 15:26	07/31/25 10:54
736017003	KRA-GWC-9	Ground Water	07/30/25 08:53	07/31/25 10:54
736017004	KRA-GWC-12	Ground Water	07/30/25 11:50	07/31/25 10:54
736017005	KRA-GWC-13	Ground Water	07/30/25 13:44	07/31/25 10:54
736017006	KRA-GWC-15	Ground Water	07/30/25 14:45	07/31/25 10:54
736017007	KRA-GWC-14	Ground Water	07/30/25 15:55	07/31/25 10:54
736017008	KRA-GWC-16	Ground Water	07/30/25 11:20	07/31/25 10:54
736017009	KRA-GWC-21	Ground Water	07/30/25 13:12	07/31/25 10:54
736017010	KRA-MW-24D	Ground Water	07/30/25 09:38	07/31/25 10:54
736017011	KRA-GRL-FD-02	Ground Water	07/30/25 12:00	07/31/25 10:54
736017012	KRA-GRL-FD-03	Ground Water	07/30/25 12:00	07/31/25 10:54
736017013	KRA-GRL-FB-03	Ground Water	07/30/25 12:40	07/31/25 10:54
736017014	KRA-GRL-EB-05	Water	07/30/25 14:00	07/31/25 10:54
736017015	KRA-GRL-EB-06	Water	07/30/25 15:45	07/31/25 10:54
736017016	KRA-MW-25D	Ground Water	07/30/25 15:25	07/31/25 10:54

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

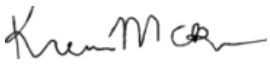
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	27-AUG-2025
EPA 903.1 Modified	27-AUG-2025
EPA 904.0/SW846 9320 Modified	21-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 736017 GEL Work Order: 736017

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

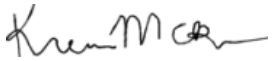
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWB-5R
Sample ID: 736017001
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.97	+/-1.34	1.86	+/-1.58	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.23	+/-1.41	1.86	+/-1.70		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.26	+/-0.443	0.236	+/-0.631	1.00	pCi/L			AW6	08/27/25	1003	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	82.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-2
Sample ID: 736017002
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.09	+/-1.15	1.68	+/-1.29	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.45	+/-1.17	1.68	+/-1.31		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.357	+/-0.209	0.210	+/-0.217	1.00	pCi/L			AW6	08/27/25	1003	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	77.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-9
Sample ID: 736017003
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.02	+/-1.08	1.56	+/-1.22	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.25	+/-1.14	1.56	+/-1.29		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.23	+/-0.342	0.247	+/-0.431	1.00	pCi/L			AW6	08/27/25	1003	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	82.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-12
Sample ID: 736017004
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.16	+/-0.988	1.58	+/-1.04	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.02	+/-1.03	1.58	+/-1.09		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.853	+/-0.278	0.172	+/-0.320	1.00	pCi/L			AW6	08/27/25	1003	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	84.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-13
Sample ID: 736017005
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.24	+/-0.950	1.50	+/-1.01	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.81	+/-1.19	1.50	+/-1.43		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		4.56	+/-0.722	0.439	+/-1.02	1.00	pCi/L			AW6	08/27/25	1003	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	89.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-15
Sample ID: 736017006
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.60	+/-1.04	1.57	+/-1.13	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.37	+/-1.07	1.57	+/-1.17		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.777	+/-0.257	0.161	+/-0.297	1.00	pCi/L			AW6	08/27/25	1003	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	87	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-14
Sample ID: 736017007
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.163	+/-0.908	1.69	+/-0.909	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.06	+/-0.953	1.69	+/-0.970		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.894	+/-0.292	0.180	+/-0.338	1.00	pCi/L			AW6	08/27/25	1003	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	83.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-16
Sample ID: 736017008
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.96	+/-1.25	1.68	+/-1.50	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.67	+/-1.31	1.68	+/-1.58		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.71	+/-0.402	0.224	+/-0.491	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	81.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-21
Sample ID: 736017009
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.45	+/-1.21	1.72	+/-1.39	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.11	+/-1.31	1.72	+/-1.59		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.66	+/-0.513	0.194	+/-0.773	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	90.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell

Project: Plant Kraft

Client Sample ID: KRA-MW-24D
Sample ID: 736017010
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.853	+/-1.02	1.73	+/-1.05	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.10	+/-1.05	1.73	+/-1.08		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.246	+/-0.221	0.336	+/-0.224	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	81.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-02
Sample ID: 736017011
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client
Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.47	+/-1.06	1.65	+/-1.14	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.72	+/-1.08	1.65	+/-1.16		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.248	+/-0.214	0.334	+/-0.219	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	79.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-03
Sample ID: 736017012
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.15	+/-1.06	1.51	+/-1.22	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.40	+/-1.07	1.51	+/-1.23		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.249	+/-0.152	0.159	+/-0.159	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	93.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 27, 2025

Contact: Chris Tidwell

Project: Plant Kraft

Client Sample ID: KRA-GRL-FB-03
Sample ID: 736017013
Matrix: WQ
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.971	+/-1.20	2.03	+/-1.23	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.61	+/-1.24	2.03	+/-1.27		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.638	+/-0.320	0.412	+/-0.336	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	72.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-05
Sample ID: 736017014
Matrix: WQ
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.88	+/-1.20	1.83	+/-1.31	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.08	+/-1.22	1.83	+/-1.32		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.200	+/-0.189	0.297	+/-0.193	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	81.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 27, 2025

Contact: Chris Tidwell

Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-06
Sample ID: 736017015
Matrix: WQ
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.369	+/-1.06	1.90	+/-1.06	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.905	+/-1.08	1.90	+/-1.09		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.536	+/-0.223	0.171	+/-0.246	1.00	pCi/L			AW6	08/27/25	1041	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	78.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-25D
Sample ID: 736017016
Matrix: WG
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.06	+/-1.15	1.68	+/-1.28	3.00	pCi/L			JE1	08/21/25	1113	2839695	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.48	+/-1.17	1.68	+/-1.31		pCi/L		1	NXL1	08/27/25	1324	2839715	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.415	+/-0.236	0.265	+/-0.255	1.00	pCi/L			AW6	08/27/25	1114	2840348	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2839695	81.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 736017

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2839715

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736017001	KRA-GWB-5R
736017002	KRA-GWC-2
736017003	KRA-GWC-9
736017004	KRA-GWC-12
736017005	KRA-GWC-13
736017006	KRA-GWC-15
736017007	KRA-GWC-14
736017008	KRA-GWC-16
736017009	KRA-GWC-21
736017010	KRA-MW-24D
736017011	KRA-GRL-FD-02
736017012	KRA-GRL-FD-03
736017013	KRA-GRL-FB-03
736017014	KRA-GRL-EB-05
736017015	KRA-GRL-EB-06
736017016	KRA-MW-25D

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2839695

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736017001	KRA-GWB-5R
736017002	KRA-GWC-2
736017003	KRA-GWC-9
736017004	KRA-GWC-12
736017005	KRA-GWC-13
736017006	KRA-GWC-15

736017007	KRA-GWC-14
736017008	KRA-GWC-16
736017009	KRA-GWC-21
736017010	KRA-MW-24D
736017011	KRA-GRL-FD-02
736017012	KRA-GRL-FD-03
736017013	KRA-GRL-FB-03
736017014	KRA-GRL-EB-05
736017015	KRA-GRL-EB-06
736017016	KRA-MW-25D
1206188260	Method Blank (MB)
1206188261	736017001(KRA-GWB-5R) Sample Duplicate (DUP)
1206188262	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix
Samples 1206188261 (KRA-GWB-5RDUP), 736017001 (KRA-GWB-5R), 736017006 (KRA-GWC-15) and 736017012 (KRA-GRL-FD-03) were non-homogenous matrix.
yellow tint 1206188261 (KRA-GWB-5RDUP), 736017001 (KRA-GWB-5R), 736017006 (KRA-GWC-15) and 736017012 (KRA-GRL-FD-03).

Quality Control (QC) Information

Method Blank Criteria
The blank result (See Below) is greater than the MDC but less than the required detection limit.

Sample	Analyte	Value
1206188260 (MB)	Radium-228	Result: 2.87 pCi/L > MDA: 1.87 pCi/L <= RDL: 3.00 pCi/L

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2840348

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736017001	KRA-GWB-5R
736017002	KRA-GWC-2
736017003	KRA-GWC-9
736017004	KRA-GWC-12

736017005	KRA-GWC-13
736017006	KRA-GWC-15
736017007	KRA-GWC-14
736017008	KRA-GWC-16
736017009	KRA-GWC-21
736017010	KRA-MW-24D
736017011	KRA-GRL-FD-02
736017012	KRA-GRL-FD-03
736017013	KRA-GRL-FB-03
736017014	KRA-GRL-EB-05
736017015	KRA-GRL-EB-06
736017016	KRA-MW-25D
1206189565	Method Blank (MB)
1206189566	736017001(KRA-GWB-5R) Sample Duplicate (DUP)
1206189567	736017001(KRA-GWB-5R) Matrix Spike (MS)
1206189568	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206189567 (KRA-GWB-5RMS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

QC Summary

Client : **Georgia Power, Southern Company**
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **736017**

Report Date: August 27, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2839695										
QC1206188261 736017001 DUP										
Radium-228		2.97		1.68	pCi/L	55.1		(0% - 100%)	JE1	08/21/2511:13
	Uncert:	+/-1.34		+/-0.959						
	TPU:	+/-1.58		+/-1.07						
QC1206188262 LCS										
Radium-228	80.9			88.1	pCi/L		109	(75%-125%)	JE1	08/21/2511:13
	Uncert:			+/-4.94						
	TPU:			+/-25.3						
QC1206188260 MB										
Radium-228				2.87	pCi/L				JE1	08/21/2511:13
	Uncert:			+/-1.34						
	TPU:			+/-1.56						
Rad Ra-226										
Batch 2840348										
QC1206189566 736017001 DUP										
Radium-226		2.26		2.29	pCi/L	1.36		(0%-20%)	AW6	08/27/2511:13
	Uncert:	+/-0.443		+/-0.547						
	TPU:	+/-0.631		+/-0.673						
QC1206189568 LCS										
Radium-226	27.1			21.9	pCi/L		80.9	(75%-125%)	AW6	08/27/2511:13
	Uncert:			+/-1.44						
	TPU:			+/-5.39						
QC1206189565 MB										
Radium-226			U	0.181	pCi/L				AW6	08/27/2511:14
	Uncert:			+/-0.189						
	TPU:			+/-0.192						
QC1206189567 736017001 MS										
Radium-226	134	2.26		132	pCi/L		96.9	(75%-125%)	AW6	08/27/2511:13
	Uncert:	+/-0.443		+/-7.76						
	TPU:	+/-0.631		+/-31.4						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **736017**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

736004

Client Name: GA Power Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA, JM, TG, CK ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- GWB-5R	07-30-25	1345	G	N	WG			6	✓	✓	✓	Comments: Note: extra sample is required for sample specific QC Task_Code: KRA-CCR-ASSMT-2025S2
KRA- GWC-2	07-30-25	1526	G	N	WG			6	✓	✓	✓	
KRA- GWC-9	07-30-25	0853	G	N	WG			6	✓	✓	✓	
KRA- GWC-12	07-30-25	1150	G	N	WG			6	✓	✓	✓	
KRA- GWC-13	07-30-25	1344	G	N	WG			6	✓	✓	✓	
KRA- GWC-15	07-30-25	1445	G	N	WG			6	✓	✓	✓	
KRA- GWC-14	07-30-25	1555	G	N	WG			6	✓	✓	✓	
KRA- GWC-16	07-30-25	1120	G	N	WG			6	✓	✓	✓	
KRA- GWC-21	07-30-25	1312	G	N	WG			6	✓	✓	✓	
KRA- MW-24D	07-30-25	0938	G	N	WG			6	✓	✓	✓	

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		07-31-25	1054		7/31/25	1054
2						
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)
Fax Results: [ ] Yes [x] No
Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4
Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg
For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 1.2, 3.3

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) KNOWN OR POSSIBLE HAZARDS

RCRA Metals
As = Arsenic Hg= Mercury
Ba = Barium Se= Selenium
Cd = Cadmium Ag= Silver
Cr = Chromium MR= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
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Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA, JM, CK, TG — ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)	Comments
KRA- GRL - FD-02	07-30-25	—	G	N	WG			6	✓	✓	✓		
KRA- GRL - FD-03	07-30-25	—	G	N	WG			6	✓	✓	✓		
KRA- GRL - FB-03	07-30-25	1240	G	N	WQ			6	✓	✓	✓		time = 1240
KRA- GRL - EB-05	07-30-25	1400	G	N	WQ			6	✓	✓	✓		
KRA- GRL - EB-06	07-30-25	1545	G	N	WQ			6	✓	✓	✓		
KRA- MW-25D	07-30-25	1525	G	N	WG			6	✓	✓	✓		
KRA-													
KRA-													
KRA-													
KRA-													

Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		07-31-25	1054		7/31/25	1054
2						
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* *Cooler Temp:* 1.2; 3C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. (i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 736004 736031 | GEL PM: AP

Received By: CLM | Date Received at GEL: 7/31/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	3°				
5	2°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#: Sulfuric: 2094081328 -KRA-CLIFTON-SEEP analysis!
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) missing time on analysis: TDS ID: KRA-GWC-12.
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) NH3/TKN. Nitric: 250721BP analysis! Metals and 1of3 Ra-226/Ra-228 tried to reserve they started to foam and did not hold nitric. Sent the other 2 samples as is.

PM (or PMA) review: Initials HH Date 8/1/25

☒ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: CLM Date Received: 7/31/25 SDG/AR/COC/Work Order: 736004

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
cooler 1	2		cooler 6	1	
2	~~2~~ 1		7	1	
3	1				
4	3				
5	~~3~~ 2				
	~~3~~				

Additional Notes:

5.) ID: KRA-GWC-12 and KRA-GWC-16 both analysis Radium 226/228 represerved with nitric, they held.

PM (or PMA) review: Initials HH Date 8/1/25 Page 2 of 2

List of current GEL Certifications as of 27 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 14, 2025

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 736031

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 31, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. Sample was received outside of pH specification for NH3/TKN analysis and was preserved with Sulfuric acid lot number 2024081328. Samples for metals and Ra226/Ra228 analyses were also received outside of pH specification. Nitric acid lot number 250721BP was added to the container for metals analysis and 1 of 3 for Ra226/Ra228 analysis, however the samples started to foam and did not hold. The other 2 of 3 samples for Ra226/Ra228 analysis were sent as is, without preservation. . The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
736031001	KRA-CLIFTON-SEEP	Misc Liquid	07/30/25 16:55	07/31/25 10:54

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
EPA 351.2 Prep	04-AUG-2025
SW846 3005A	01-AUG-2025
SW846 7470A Prep	07-AUG-2025

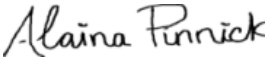
Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	01-AUG-2025
EPA 300.0	02-AUG-2025
EPA 300.0	31-JUL-2025

EPA 350.1	01-AUG-2025
EPA 351.2	04-AUG-2025
EPA 351.2	05-AUG-2025
SM 2320B	11-AUG-2025
SM 2540C	06-AUG-2025
SM 5310 B	02-AUG-2025
SOP RSK 175 Modified	10-AUG-2025
SW846 3005A/6020B	11-AUG-2025
SW846 3005A/6020B	12-AUG-2025
SW846 7470A	08-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 736031 GEL Work Order: 736031

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

E Concentration of the target analyte exceeds the instrument calibration range

H Analytical holding time was exceeded

J Value is estimated

N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by Alaina Pinnick

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-CLIFTON-SEEP	Project:	GPCC00125
Sample ID:	736031001	Client ID:	GPCC004
Matrix:	WL		
Collect Date:	30-JUL-25 16:55		
Receive Date:	31-JUL-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Carbon Analysis												
SM 5310 B Total Organic Carbon "As Received"												
Total Organic Carbon Average		109	6.60	20.0	mg/L		20	KB3	08/02/25	0549	2840000	1
GC-FID												
RSK 175 Modified Dissolved Methane "As Received"												
Methane		7140	500	1250	ug/L		50	LOF	08/10/25	1527	2839755	2
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride		1.07	0.0330	0.100	mg/L		1	CH6	07/31/25	1748	2839533	3
Sulfate		1.15	0.133	0.400	mg/L		1					
Chloride		185	1.68	5.00	mg/L		25	CH6	08/01/25	0842	2839533	4
Nitrate-N	J	1.94	0.825	2.50	mg/L		25					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.000670	0.00200	mg/L	10.0	1	JP2	08/08/25	1024	2842621	5
Metals Analysis-ICP-MS												
SW846 3005A/6020B Clifton Seep "As Received"												
Antimony	U	ND	0.0100	0.0300	mg/L	10.0	1	PRB	08/11/25	0332	2839393	6
Arsenic	U	ND	0.0200	0.0500	mg/L	10.0	1					
Barium		1.33	0.00670	0.0400	mg/L	10.0	1					
Beryllium	U	ND	0.00200	0.00500	mg/L	10.0	1					
Cadmium	U	ND	0.00300	0.0100	mg/L	10.0	1					
Calcium		99.8	0.800	2.00	mg/L	10.0	1					
Chromium	U	ND	0.0300	0.100	mg/L	10.0	1					
Cobalt	J	0.00344	0.00300	0.0100	mg/L	10.0	1					
Iron		5.00	0.330	1.00	mg/L	10.0	1					
Lead	U	ND	0.00500	0.0200	mg/L	10.0	1					
Lithium		0.653	0.0300	0.100	mg/L	10.0	1					
Magnesium		84.6	0.100	0.300	mg/L	10.0	1					
Manganese		0.185	0.0100	0.0500	mg/L	10.0	1					
Molybdenum	U	ND	0.00200	0.0100	mg/L	10.0	1					
Potassium		165	0.800	3.00	mg/L	10.0	1					
Selenium	U	ND	0.0150	0.0500	mg/L	10.0	1					
Thallium	U	ND	0.00600	0.0200	mg/L	10.0	1					
Vanadium	U	ND	0.0330	0.200	mg/L	10.0	1					
Zinc	U	ND	0.0330	0.200	mg/L	10.0	1					

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 14, 2025

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-CLIFTON-SEEP
Sample ID: 736031001
Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Clifton Seep "As Received"												
Boron		60.7	2.60	7.50	mg/L	10.0	50	PRB	08/12/25	1343	2839393	7
Sodium		945	40.0	125	mg/L	10.0	50					
Nutrient Analysis												
EPA 350.1 Nitrogen, Ammonia "As Received"												
Nitrogen, Ammonia		32.6	1.70	5.00	mg/L		100	JLD1	08/01/25	1314	2839918	8
EPA 351.2, Nitrogen, Total Kjeldahl (TKN) "As Received"												
Nitrogen, Total Kjeldahl		52.0	1.32	4.00	mg/L	4.00	10	JLD1	08/05/25	1002	2840158	9
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		3640	2.38	10.0	mg/L			SC1	08/06/25	1617	2841727	10
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		2710	7.25	20.0	mg/L			IS2	08/11/25	1621	2844943	11
Bicarbonate alkalinity (CaCO3)		2710	7.25	20.0	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	7.25	20.0	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	ES3	08/01/25	1545	2839392
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	PB1	08/07/25	1120	2842616
EPA 351.2 Prep	EPA 351.2 Total Kjeldahl Nitrogen Prep	AXH3	08/04/25	1231	2840157

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: August 14, 2025

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-CLIFTON-SEEP	Project:	GPCC00125
Sample ID:	736031001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SM 5310 B	
2	SOP RSK 175 Modified	
3	EPA 300.0	
4	EPA 300.0	
5	SW846 7470A	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	EPA 350.1	
9	EPA 351.2	
10	SM 2540C	
11	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: August 14, 2025

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **736031**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date	Time
Carbon Analysis													
Batch 2840000													
QC1206188869 735989013 DUP													
Total Organic Carbon Average		J	0.559	J	0.571	mg/L	2.12	^		(+/-1.00)	KB3	08/01/25	20:44
QC1206188868 LCS													
Total Organic Carbon Average	10.0				10.2	mg/L			102	(80%-120%)		08/01/25	18:57
QC1206188867 MB													
Total Organic Carbon Average				U	ND	mg/L						08/01/25	18:49
QC1206188870 735989013 PS													
Total Organic Carbon Average	10.0	J	0.559		10.6	mg/L			100	(65%-120%)		08/01/25	21:00
GC-FID													
Batch 2839755													
QC1206188402 736031001 DUP													
Methane			7140		7540	ug/L	5			(0%-30%)	LOF	08/10/25	15:39
QC1206188399 LCS													
Methane	100				102	ug/L			102	(71%-126%)		08/10/25	13:28
QC1206188398 MB													
Methane				U	ND	ug/L						08/10/25	13:15
Ion Chromatography													
Batch 2839533													
QC1206188004 736004001 DUP													
Chloride			41.6		41.6	mg/L	0.216			(0%-20%)	CH6	08/01/25	18:10
Fluoride		U	ND	U	ND	mg/L	N/A					07/31/25	21:54

QC Summary

Workorder: **736031**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2839533												
Sulfate			661		662	mg/L	0.0998			(0%-20%)	CH6	08/01/25 19:42
QC1206188006 736031001 DUP												
Chloride			185		185	mg/L	0.0338			(0%-20%)		08/01/25 09:13
Fluoride			1.07		1.08	mg/L	1.7			(0%-20%)		07/31/25 18:18
Nitrate-N		J	1.94	J	1.92	mg/L	1.03	^		(+/-2.50)		08/01/25 09:13
Sulfate			1.15		0.875	mg/L	27.2	^		(+/-0.400)		07/31/25 18:18
QC1206188003 LCS												
Chloride	5.00				4.63	mg/L			92.6	(90%-110%)		07/31/25 20:53
Fluoride	2.50				2.45	mg/L			98	(90%-110%)		
Nitrate-N	2.50				2.38	mg/L			95.1	(90%-110%)		
Sulfate	10.0				9.58	mg/L			95.8	(90%-110%)		
QC1206188002 MB												
Chloride				U	ND	mg/L						07/31/25 20:22
Fluoride				U	ND	mg/L						
Nitrate-N				U	ND	mg/L						
Sulfate				U	ND	mg/L						

QC Summary

Workorder: **736031**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2839533											
QC1206188005 736004001 PS											
Chloride	5.00		4.16		9.50	mg/L		107	(90%-110%)	CH6	08/01/25 18:40
Fluoride	2.50	U	ND		2.52	mg/L		101	(90%-110%)		07/31/25 22:25
Sulfate	10.0		6.61		16.9	mg/L		103	(90%-110%)		08/01/25 20:13
QC1206188007 736031001 PS											
Chloride	5.00		7.40		13.1	mg/L		114*	(90%-110%)		08/01/25 09:44
Fluoride	2.50		1.07		3.46	mg/L		95.6	(90%-110%)		07/31/25 18:49
Nitrate-N	2.50	J	0.0777		2.45	mg/L		95	(90%-110%)		08/01/25 09:44
Sulfate	10.0		1.15		10.6	mg/L		94.1	(90%-110%)		07/31/25 18:49
Metals Analysis - ICPMS											
Batch 2839393											
QC1206187813 LCS											
Antimony	0.500				0.486	mg/L		97.2	(80%-120%)	PRB	08/11/25 03:30
Arsenic	0.500				0.504	mg/L		101	(80%-120%)		
Barium	0.500				0.505	mg/L		101	(80%-120%)		
Beryllium	0.500				0.566	mg/L		113	(80%-120%)		
Boron	1.00				1.15	mg/L		115	(80%-120%)		08/12/25 13:27
Cadmium	0.500				0.510	mg/L		102	(80%-120%)		08/11/25 03:30

QC Summary

Workorder: **736031**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2839393										
Calcium	20.0			21.6	mg/L		108	(80%-120%)	PRB	08/11/25 03:30
Chromium	0.500			0.518	mg/L		104	(80%-120%)		
Cobalt	0.500			0.515	mg/L		103	(80%-120%)		
Iron	20.0			21.0	mg/L		105	(80%-120%)		
Lead	0.500			0.518	mg/L		104	(80%-120%)		
Lithium	0.500			0.532	mg/L		106	(80%-120%)		
Magnesium	20.0			21.2	mg/L		106	(80%-120%)		
Manganese	0.500			0.519	mg/L		104	(80%-120%)		
Molybdenum	0.500			0.498	mg/L		99.6	(80%-120%)		
Potassium	20.0			20.4	mg/L		102	(80%-120%)		
Selenium	0.500			0.528	mg/L		106	(80%-120%)		
Sodium	20.0			21.5	mg/L		107	(80%-120%)		08/12/25 13:27
Thallium	0.500			0.499	mg/L		99.8	(80%-120%)		08/11/25 03:30
Vanadium	0.500			0.527	mg/L		105	(80%-120%)		

QC Summary

Workorder: **736031**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2839393										
Zinc	0.500			0.532	mg/L		106	(80%-120%)	PRB	08/11/25 03:30
QC1206187812 MB										
Antimony			U	ND	mg/L					08/11/25 03:27
Arsenic			U	ND	mg/L					
Barium			J	0.00827	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					08/12/25 13:18
Cadmium			U	ND	mg/L					08/11/25 03:27
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					

QC Summary

Workorder: **736031**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2839393											
Manganese				U	ND	mg/L				PRB	08/11/25 03:27
Molybdenum				U	ND	mg/L					
Potassium				U	ND	mg/L					
Selenium				U	ND	mg/L					
Sodium				U	ND	mg/L					08/12/25 13:18
Thallium				U	ND	mg/L					08/11/25 03:27
Vanadium				U	ND	mg/L					
Zinc				U	ND	mg/L					
QC1206187814 736031001 MS											
Antimony	0.500	U	ND		0.489	mg/L		97.4	(75%-125%)		08/11/25 03:35
Arsenic	0.500	U	ND		0.524	mg/L		103	(75%-125%)		
Barium	0.500		1.33		1.79	mg/L		92.2	(75%-125%)		
Beryllium	0.500	U	ND		0.563	mg/L		113	(75%-125%)		
Boron	1.00		60.7		14.6	mg/L		N/A	(75%-125%)		08/12/25 13:47
Cadmium	0.500	U	ND		0.498	mg/L		99.5	(75%-125%)		08/11/25 03:35

QC Summary

Workorder: **736031**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2839393											
Calcium	20.0		99.8		116	mg/L		N/A	(75%-125%)	PRB	08/11/25 03:35
Chromium	0.500	U	ND		0.520	mg/L		101	(75%-125%)		
Cobalt	0.500	J	0.00344		0.504	mg/L		100	(75%-125%)		
Iron	20.0		5.00		25.5	mg/L		103	(75%-125%)		
Lead	0.500	U	ND		0.471	mg/L		94.3	(75%-125%)		
Lithium	0.500		0.653		1.18	mg/L		106	(75%-125%)		
Magnesium	20.0		84.6		103	mg/L		N/A	(75%-125%)		
Manganese	0.500		0.185		0.685	mg/L		100	(75%-125%)		
Molybdenum	0.500	U	ND		0.514	mg/L		103	(75%-125%)		
Potassium	20.0		165		182	mg/L		N/A	(75%-125%)		
Selenium	0.500	U	ND		0.521	mg/L		104	(75%-125%)		
Sodium	20.0		945		149	mg/L		N/A	(75%-125%)		08/12/25 13:47
Thallium	0.500	U	ND		0.459	mg/L		91.6	(75%-125%)		08/11/25 03:35
Vanadium	0.500	U	ND		0.531	mg/L		102	(75%-125%)		

QC Summary

Workorder: **736031**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS												
Batch 2839393												
Zinc	0.500	U	ND		0.515	mg/L			101	(75%-125%)	PRB	08/11/25 03:35
QC1206187815 736031001 MSD												
Antimony	0.500	U	ND		0.491	mg/L	0.318		97.7	(0%-20%)		08/11/25 03:38
Arsenic	0.500	U	ND		0.508	mg/L	3.02		100	(0%-20%)		
Barium	0.500		1.33		1.80	mg/L	0.596		94.3	(0%-20%)		
Beryllium	0.500	U	ND		0.543	mg/L	3.73		108	(0%-20%)		
Boron	1.00		60.7		11.5	mg/L	23.4	*	N/A	(0%-20%)		08/12/25 13:51
Cadmium	0.500	U	ND		0.483	mg/L	2.92		96.6	(0%-20%)		08/11/25 03:38
Calcium	20.0		99.8		117	mg/L	1.19		N/A	(0%-20%)		
Chromium	0.500	U	ND		0.504	mg/L	3		98.2	(0%-20%)		
Cobalt	0.500	J	0.00344		0.490	mg/L	2.96		97.3	(0%-20%)		
Iron	20.0		5.00		24.7	mg/L	3.54		98.2	(0%-20%)		
Lead	0.500	U	ND		0.472	mg/L	0.115		94.4	(0%-20%)		
Lithium	0.500		0.653		1.16	mg/L	1.7		102	(0%-20%)		
Magnesium	20.0		84.6		101	mg/L	1.22		N/A	(0%-20%)		

QC Summary

Workorder: **736031**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2839393											
Manganese	0.500		0.185		0.667	mg/L	2.7	96.4	(0%-20%)	PRB	08/11/25 03:38
Molybdenum	0.500	U	ND		0.512	mg/L	0.528	102	(0%-20%)		
Potassium	20.0		165		180	mg/L	1.27	N/A	(0%-20%)		
Selenium	0.500	U	ND		0.524	mg/L	0.578	105	(0%-20%)		
Sodium	20.0		945		135	mg/L	9.3	N/A	(0%-20%)		08/12/25 13:51
Thallium	0.500	U	ND		0.459	mg/L	0.157	91.7	(0%-20%)		08/11/25 03:38
Vanadium	0.500	U	ND		0.525	mg/L	1.14	101	(0%-20%)		
Zinc	0.500	U	ND		0.515	mg/L	0.126	101	(0%-20%)		
QC1206187817 736031001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/11/25 03:43
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			133		27.6	ug/L	4.03		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron			6070		6060	ug/L	.259		(0%-20%)		08/12/25 13:55
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		08/11/25 03:43

QC Summary

Workorder: **736031**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2839393										
Calcium		9980		2020	ug/L	1.13		(0%-20%)	PRB	08/11/25 03:43
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Cobalt	J	0.344	U	ND	ug/L	N/A		(0%-20%)		
Iron		500		109	ug/L	9.25		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium		65.3		13.3	ug/L	1.76		(0%-20%)		
Magnesium		8460		1760	ug/L	4.25		(0%-20%)		
Manganese		18.5	J	4.02	ug/L	8.69		(0%-20%)		
Molybdenum	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Potassium		16500		3420	ug/L	3.61		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		94500		82400	ug/L	12.8		(0%-20%)		08/12/25 13:55
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		08/11/25 03:43
Vanadium	U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **736031**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2839393										
Zinc	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	08/11/25 03:43
Metals Analysis-Mercury										
Batch 2842621										
QC1206193798 733529005 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	08/08/25 09:45
QC1206193797 LCS										
Mercury 0.00200				0.00203	mg/L		101	(80%-120%)		08/08/25 09:42
QC1206193796 MB										
Mercury			U	ND	mg/L					08/08/25 09:41
QC1206193799 733529005 MS										
Mercury 0.00200	U	ND		0.00197	mg/L		98.6	(75%-125%)		08/08/25 09:47
Nutrient Analysis										
Batch 2839918										
QC1206188762 735968001 DUP										
Nitrogen, Ammonia	U	ND	J	0.0850	mg/L	200			JLD1	08/01/25 13:57
QC1206188761 LCS										
Nitrogen, Ammonia 1.00				0.964	mg/L		96.4	(90%-110%)		08/01/25 12:51
QC1206188760 MB										
Nitrogen, Ammonia			U	ND	mg/L					08/01/25 12:50
QC1206188763 735968001 PS										
Nitrogen, Ammonia 1.00	U	ND		1.04	mg/L		103	(90%-110%)		08/01/25 13:58

QC Summary

Workorder: **736031**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Nutrient Analysis											
Batch 2840158											
QC1206189163 734783001 DUP											
Nitrogen, Total Kjeldahl		1.39		1.23	mg/L	12.5	^		(+/-0.400)	JLD1	08/04/25 14:13
QC1206189161 LCS											
Nitrogen, Total Kjeldahl	1.00			0.917	mg/L			91.7	(90%-110%)		08/04/25 14:05
QC1206189160 MB											
Nitrogen, Total Kjeldahl			U	ND	mg/L						08/04/25 14:04
QC1206189166 734783001 MS											
Nitrogen, Total Kjeldahl	4.00	1.39		5.18	mg/L			94.6	(90%-110%)		08/04/25 14:20
Solids Analysis											
Batch 2841727											
QC1206192161 736004008 DUP											
Total Dissolved Solids		2100		2140	mg/L	1.51			(0%-5%)	SC1	08/06/25 16:17
QC1206192159 LCS											
Total Dissolved Solids	300			301	mg/L			100	(95%-105%)		08/06/25 16:17
QC1206192158 MB											
Total Dissolved Solids			U	ND	mg/L						08/06/25 16:17
Titration and Ion Analysis											
Batch 2844943											
QC1206198552 736119013 DUP											
Alkalinity, Total as CaCO3		96.0		96.2	mg/L	0.208			(0%-20%)	IS2	08/11/25 16:30
Bicarbonate alkalinity (CaCO3)		96.0		96.2	mg/L	0.208			(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A					

QC Summary

Workorder: **736031**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Titration and Ion Analysis										
Batch 2844943										
QC1206198551 LCS										
Alkalinity, Total as CaCO3	15.0			14.2	mg/L		94.7	(90%-110%)	IS2	08/11/25 16:14
QC1206198556 LCS										
Alkalinity, Total as CaCO3	50.0			53.1	mg/L		106	(90%-110%)		08/11/25 16:14
QC1206198553 736119013 MS										
Alkalinity, Total as CaCO3	50.0	96.0		149	mg/L		106	(80%-120%)		08/11/25 16:31

Notes:

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
P	Organics--The concentrations between the primary and confirmation columns/detectors is >40% different. For HPLC, the difference is >70%.
C	Analyte has been confirmed by GC/MS analysis
B	The target analyte was detected in the associated blank.
E	Concentration of the target analyte exceeds the instrument calibration range
A	The TIC is a suspected aldol-condensation product
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
N	Metals--The Matrix spike sample recovery is not within specified control limits
N	Organics--Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
H	Analytical holding time was exceeded
**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
D	Results are reported from a diluted aliquot of the sample
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **736031**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

E	%difference of sample and SD is >10%. Sample concentration must meet flagging criteria
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
JNX	Non Calibrated Compound
UJ	Compound cannot be extracted
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
FB	Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
Y	QC Samples were not spiked with this compound
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
N	Presumptive evidence based on mass spectral library search to make a tentative identification of the analyte (TIC). Quantitation is based on nearest internal standard response factor
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
I	Analyte does not meet the Ion Abundance Ratio and should be considered an estimated concentration.
FG	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
XG	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
G	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

FID Flame Ionization Detector

Product: **Dissolved Gases in Water by Flame Ionization Detector (FID)**
Analytical Method: SOP RSK 175 Modified
Analytical Procedure: GL-OA-E-064 REV# 6
Analytical Batch: 2839755

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206188398	Method Blank (MB)
1206188399	Laboratory Control Sample (LCS)
1206188402	736031001(KRA-CLIFTON-SEEP) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
Sample 736031001 (KRA-CLIFTON-SEEP) was diluted due to the presence of overrange target analytes.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2839393

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2839392

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206187812	Method Blank (MB)**ICP-MS**
1206187813	Laboratory Control Sample (LCS)
1206187817	736031001(KRA-CLIFTON-SEEPL) Serial Dilution (SD)
1206187814	736031001(KRA-CLIFTON-SEEPS) Matrix Spike (MS)
1206187815	736031001(KRA-CLIFTON-SEEPSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

CRDL/PQL Requirements
The CRDL standard recoveries for SW846 6020B met the advisory control limits with the exception of calcium. Client sample concentrations were greater than two times the CRDL; therefore the data were not adversely affected.

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Quality Control (QC) Information

MS/MSD Relative Percent Difference (RPD) Statement
The RPD values between qualifying analyte results in the MS and MSD were not within the acceptance limits. Sample non-homogeneity and/or possible matrix interferences may be suspected.

Sample	Analyte	Value
1206187814MS and 1206187815MSD (KRA-CLIFTON-SEEP)	Boron	RPD 23.4* (0%-20%)

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	736031
	001
Boron	50X
Sodium	50X

Preparation Information
Samples in this SDG were prepared at a ten times dilution factor due to the miscellaneous liquid classification.

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2842621

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2842616

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206193796	Method Blank (MB)**CVAA**
1206193797	Laboratory Control Sample (LCS)
1206193798	733529005(NonSDGD) Sample Duplicate (DUP)
1206193799	733529005(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Preparation Information
Sample in this SDG was prepared at a ten times dilution factor due to the miscellaneous liquid classification. 736031001 (KRA-CLIFTON-SEEP).

General Chemistry

Product: Carbon, Total Organic
Analytical Method: SM 5310 B
Analytical Procedure: GL-GC-E-093 REV# 22
Analytical Batch: 2840000

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206188867	Method Blank (MB)
1206188868	Laboratory Control Sample (LCS)
1206188869	735989013(NonSDG) Sample Duplicate (DUP)
1206188870	735989013(NonSDG) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following sample 736031001 (KRA-CLIFTON-SEEP) was diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix

interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	736031
	001
Total Organic Carbon Average	20X

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2839533

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206188002	Method Blank (MB)
1206188003	Laboratory Control Sample (LCS)
1206188004	736004001(KRA-GWB-5R) Sample Duplicate (DUP)
1206188005	736004001(KRA-GWB-5R) Post Spike (PS)
1206188006	736031001(KRA-CLIFTON-SEEP) Sample Duplicate (DUP)
1206188007	736031001(KRA-CLIFTON-SEEP) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Chloride	1206188007 (KRA-CLIFTON-SEEPPS)	114* (90%-110%)

Technical Information

Sample Dilutions
The following samples 1206188004 (KRA-GWB-5RDUP), 1206188005 (KRA-GWB-5RPS), 1206188006 (KRA-CLIFTON-SEEPDUP), 1206188007 (KRA-CLIFTON-SEEPPS) and 736031001 (KRA-CLIFTON-SEEP) were diluted because target analyte concentrations exceeded the calibration range.
The following samples 1206188006 (KRA-CLIFTON-SEEPDUP), 1206188007 (KRA-CLIFTON-SEEPPS) and 736031001 (KRA-CLIFTON-SEEP) in this sample group were diluted due to matrix interference. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	736031
	001
Chloride	25X
Nitrate-N	25X

Miscellaneous Information

Manual Integrations
Samples 1206188006 (KRA-CLIFTON-SEEPDUP), 1206188007 (KRA-CLIFTON-SEEPPS) and 736031001 (KRA-CLIFTON-SEEP) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Ammonia Nitrogen**
Preparation Method: EPA 350.1
Preparation Procedure: GL-GC-E-110 REV# 3
Preparation Batch: 2839918

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206188760	Method Blank (MB)
1206188761	Laboratory Control Sample (LCS)
1206188762	735968001(NonSDG) Sample Duplicate (DUP)
1206188763	735968001(NonSDG) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following sample 736031001 (KRA-CLIFTON-SEEP) was diluted because target analyte concentrations exceeded the calibration range.
The following samples 1206188762 (Non SDG 735968001DUP) and 1206188763 (Non SDG 735968001PS) in this sample group were diluted due to matrix interference.
The matrix of samples 1206188762 (Non SDG 735968001DUP) and 1206188763 (Non SDG 735968001PS) caused the filter to clog; therefore, the sample was diluted. The sample was diluted to the lowest dilution to allow filtration.
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	736031
	001
Nitrogen, Ammonia	100X

Product: **Total Kjeldahl Nitrogen**
Analytical Method: EPA 351.2
Analytical Procedure: GL-GC-E-109 REV# 1
Analytical Batch: 2840158

Preparation Method: EPA 351.2 Prep
Preparation Procedure: GL-GC-E-071 REV# 20
Preparation Batch: 2840157

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206189160	Method Blank (MB)
1206189161	Laboratory Control Sample (LCS)
1206189163	734783001(NonSDG) Sample Duplicate (DUP)
1206189166	734783001(NonSDG) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following sample 736031001 (KRA-CLIFTON-SEEP) was diluted because target analyte concentrations exceeded the calibration range.
Sample 736031001 (KRA-CLIFTON-SEEP) was diluted at the prep step due to high concentration.
Samples 1206189163 (Non SDG 734783001DUP) and 1206189166 (Non SDG 734783001MS) were diluted at the prep step due to matrix interference. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	736031 001
Nitrogen, Total Kjeldahl	10X

Sample Re-analysis
Sample 1206189160 (MB) was re-analyzed due to (its) proximity to an overrange sample. The results from the reanalysis are reported.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 22
Analytical Batch: 2841727

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206192158	Method Blank (MB)
1206192159	Laboratory Control Sample (LCS)
1206192161	736004008(KRA-GWC-16) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A TDS meter was used to check the samples for approximate concentration prior to analysis. 1206192161 (KRA-GWC-16DUP) and 736031001 (KRA-CLIFTON-SEEP).

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 17
Analytical Batch: 2844943

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736031001	KRA-CLIFTON-SEEP
1206198551	Laboratory Control Sample (LCS)
1206198552	736119013(NonSDG) Sample Duplicate (DUP)
1206198553	736119013(NonSDG) Matrix Spike (MS)
1206198556	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
High Concentration. A reduced aliquot was used due to the high concentration of the sample. 736031001 (KRA-CLIFTON-SEEP).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

736031

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Clifton Seep
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA, JM ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 (NI)	Radium 226 & 228 SW-846 9315, 9320 (NI)	Nitrate EPA 300	Total, Carb, & Bicarb Alk - SM 2320B	NH3, TKN EPA 350.1, 351.2 (SA)	TOC SM 5310B	Dissolved Methane RSK 175	Total & Bicarb Alk SM 2320B		<-- Preservative Type (6)
KRA-CLIFTON-SEEP	07-30-25	1055	G	N	WL			11	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	07-31-25	1054	1	7/31/25	1054
2			2		
3			3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Fe,Mg,Mn,K,Na,Hg

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No *Cooler Temp:* 1.2, 3.3°

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 736004 736031 | GEL PM: APP

Received By: CLM | Date Received at GEL: 7/31/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	3°				
5	2°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#: Sulfuric: 2034081328 -KRA-CLIFTON-SEEP analysis!
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) missing time on analysis: TDS ID: KRA-GWC-12.
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) NH3/TKN. Nitric: 250721BP analysis! Metals and 1of3 Ra-226/Ra-228 tried to reperserve they started to foam and did not hold nitric. Sent the other 2 samples as is.

PM (or PMA) review: Initials HH Date 8/1/25

☒ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: CLM Date Received: 7/31/25 SDG/AR/COC/Work Order: 736004.

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2		Cooler 6	1	
2	~~2~~ 1		7	1	
3	1				
4	3				
5	~~3~~ 2				
	~~3~~				

Additional Notes:

5.) ID: KRA-GWC-12 and KRA-GWC-16 both analysis Radium 226/228 represerved with nitric, they held.

PM (or PMA) review: Initials HH Date 8/1/25 Page 2 of 2

Outlook

Grumman: Sample Receipt Discrepancies – KRA-CLIFTON-SEEP (736031)

From Betsy McDaniel <betsy.mcdaniel@atlcc.net>
Date Mon 8/4/2025 11:33 AM
To Shanna Hyland <Shanna.Hyland@gel.com>; Alaina Pinnick <Alaina.Pinnick@gel.com>
Cc Team Pinnick <Team.Pinnick@gel.com>; Tidwell, Christopher Aaron <catidwel@southernco.com>; Jurinko, Kristen Nichole <knjurink@southernco.com>; Midkiff, Laura B. <lbmidkif@southernco.com>; Monte Jones <monte.jones@atlcc.net>; Matt Malone <matt.malone@atlcc.net>; Ryan Walker <ryan.walker@atlcc.net>

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Shanna:

Thank you for the notification. Please proceed with requested analyses for the Plant Kraft – Grumman Road Landfill Clifton Seep sample with appropriate narration in the lab report.

Betsy McDaniel
Atlantic Coast Consulting, Inc.

__tpx__

From: Shanna Hyland <Shanna.Hyland@gel.com>
Sent: Monday, August 4, 2025 11:20 AM
To: catidwel@southernco.com; JABRAHAM@SOUTHERNCO.COM; MJSMILLE@SOUTHERNCO.COM; NSMUSKUS@SOUTHERNCO.COM; lbmidkif@southernco.com; Betsy McDaniel <betsy.mcdaniel@atlcc.net>; Chris Parker <chris.parker@atlcc.net>; Monte Jones <monte.jones@atlcc.net>; Charles Adams <charles.adams@atlcc.net>; Matt Malone <matt.malone@atlcc.net>; Ryan Walker <ryan.walker@atlcc.net>; KNJURINK@SOUTHERNCO.COM; kmstephe@southernco.com
Cc: Team Pinnick <Team.Pinnick@gel.com>
Subject: Sample Receipt Discrepancies – KRA-CLIFTON-SEEP (736031)

Good morning,

Samples were received at GEL Laboratories on 7/31/25 and the following item(s) were noted:

- **pH Specification:** Sample ID 'KRA-CLIFTON-SEEP' was not received within the required pH specification for NH3/TKN analysis. Sulfuric acid lot number 2024081328 was added for preservation.
- Sample ID 'KRA-CLIFTON-SEEP' was also not received within the required pH specification for metals and Ra226/Ra228 analyses. Nitric acid lot number 250721BP was added to the container for metals analysis and 1 of 3 for Ra226/Ra228 analysis, however the samples started to foam and did not hold. The other 2 of 3 samples for Ra226/Ra228 analysis were sent as is, without preservation.

Please review and advise how you'd like to proceed. Supporting documentation is attached.

Thank you,

Shanna Hyland
Project Manager Assistant

2040 Savage Road, Charleston, SC 29407 |
Office Direct: 843.769.7371 Ext. 4261 |Office Main: 843.556.8171 | Fax: 843.766.1178
E-Mail: shanna.hyland@gel.com | Website: www.gel.com
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List of current GEL Certifications as of 14 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 27, 2025

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 736812

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 31, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
736812001	KRA-CLIFTON-SEEP	Misc Liquid	07/30/25 16:55	07/31/25 10:54

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

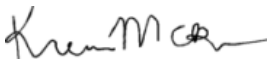
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	27-AUG-2025
EPA 903.1 Modified	27-AUG-2025
EPA 904.0/SW846 9320 Modified	23-AUG-2025

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Kierra McKnight for
Alaina Pinnick
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 736812 GEL Work Order: 736812

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

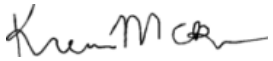
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: August 27, 2025

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-CLIFTON-SEEP
Sample ID: 736812001
Matrix: WL
Collect Date: 30-JUL-25
Receive Date: 31-JUL-25
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.66	+/-1.57	2.43	+/-1.73	3.00	pCi/L			HH3	08/23/25	1054	2841999	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.11	+/-1.59	2.43	+/-1.75		pCi/L			NXL1	08/27/25	1218	2846223	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.446	+/-0.257	0.332	+/-0.269	1.00	pCi/L			AW6	08/27/25	0827	2842978	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2841999	91.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 736812

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 45
Analytical Batch: 2846223

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736812001	KRA-CLIFTON-SEEP

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2841999

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736812001	KRA-CLIFTON-SEEP
1206192671	Method Blank (MB)
1206192672	736733001(NonSDG) Sample Duplicate (DUP)
1206192673	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix
Sample 736812001 (KRA-CLIFTON-SEEP) was non-homogenous matrix.
Sample 736740005 contained several floating ants. Sample 736812001 was light brown in color. 736812001 (KRA-CLIFTON-SEEP).

Technical Information

Recounts
Sample 1206192671 (MB) was recounted due to a suspected blank false positive. The recount is reported.
Samples were re-eluted and recounted due to low recovery. The recounts are reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2842978

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
736812001	KRA-CLIFTON-SEEP
1206194591	Method Blank (MB)
1206194592	736047001(NonSDG) Sample Duplicate (DUP)
1206194593	736047001(NonSDG) Matrix Spike (MS)
1206194594	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206194593 (Non SDG 736047001MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Client : **Georgia Power, Southern Company**
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **736812**

Report Date: August 27, 2025

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2841999										
QC1206192672 736733001 DUP										
Radium-228		3.41		4.11	pCi/L	18.6		(0% - 100%)	HH3	08/23/2510:47
	Uncert:	+/-1.90		+/-1.53						
	TPU:	+/-2.14		+/-1.91						
QC1206192673 LCS										
Radium-228	81.2			87.0	pCi/L		107	(75%-125%)	HH3	08/23/2510:48
	Uncert:			+/-4.98						
	TPU:			+/-24.9						
QC1206192671 MB										
Radium-228			U	2.20	pCi/L				HH3	08/23/2513:08
	Uncert:			+/-1.81						
	TPU:			+/-1.91						
Rad Ra-226										
Batch 2842978										
QC1206194592 736047001 DUP										
Radium-226		0.940		1.13	pCi/L	18.6		(0% - 100%)	AW6	08/27/2508:27
	Uncert:	+/-0.373		+/-0.359						
	TPU:	+/-0.407		+/-0.414						
QC1206194594 LCS										
Radium-226	27.1			22.8	pCi/L		84.3	(75%-125%)	AW6	08/27/2508:27
	Uncert:			+/-1.45						
	TPU:			+/-4.60						
QC1206194591 MB										
Radium-226			U	0.178	pCi/L				AW6	08/27/2508:27
	Uncert:			+/-0.232						
	TPU:			+/-0.234						
QC1206194593 736047001 MS										
Radium-226	128	0.940		100	pCi/L		77.4	(75%-125%)	AW6	08/27/2508:27
	Uncert:	+/-0.373		+/-7.39						
	TPU:	+/-0.407		+/-24.2						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J	Value is estimated
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
H	Analytical holding time was exceeded
<	Result is less than value reported
>	Result is greater than value reported

QC Summary

Workorder: **736812**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time

UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: *GEL Project Manager: Alaina Pinnick*

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

736031

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Clifton Seep
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: HA, JM ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 (NI)	Radium 226 & 228 SW-846 9315, 9320 (NI)	Nitrate EPA 300	Total, Carb, & Bicarb Alk - SM 2320B	NH3, TKN EPA 350.1, 351.2 (SA)	TOC SM 5310B	Dissolved Methane RSK 175	Total & Bicarb Alk SM 2320B		<-- Preservative Type (6)
KRA-CLIFTON-SEEP	07-30-25	1055	G	N	WL			11	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2025S2

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	07-31-25	1054	[signature]	7/31/25	1054
2						
3						

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Fe,Mg,Mn,K,Na,Hg

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No *Cooler Temp:* 1.2, 3c

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - 1).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 736004 736031 | GEL PM: APP

Received By: CLM | Date Received at GEL: 7/31/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	3°				
5	2°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#: Sulfuric: 2034081328 -KRA-CLIFTON-SEEP analysis!
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___(If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?			✓	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) missing time on analysis: TDS ID: KRA-GWC-12.
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) NH3/TKN. Nitric: 250721BP analysis! Metals and 1of3 Ra-226/Ra-228 tried to reperserve they started to foam and did not hold nitric. Sent the other 2 samples as is.

PM (or PMA) review: Initials HH Date 8/1/25

☒ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW CONTINUATION FORM

Client: GPCC Received By: CLM Date Received: 7/31/25 SDG/AR/COC/Work Order: 736004.

Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2		Cooler 6	1	
2	~~2~~ 1		7	1	
3	1				
4	3				
5	~~3~~ 2				
	~~3~~				

Additional Notes:

5.) ID: KRA-GWC-12 and KRA-GWC-16 both analysis Radium 226/228 represerved with nitric, they held.

PM (or PMA) review: Initials HH Date 8/1/25 Page 2 of 2

List of current GEL Certifications as of 27 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

LEVEL 2A LABORATORY DATA VALIDATIONS

Grumman Road

Semiannual Event

July 2025

Georgia Power Company – Grumman Road

Quality Control Review of Analytical Data – July 2025

This narrative presents results of the Quality Control (QC) data review performed on analytical results submitted by GEL Laboratories LLC, Charleston for groundwater samples collected at Grumman Road between July 28, 2025 and July 30, 2025. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix.

In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions (USEPA Method 300.0), Solids in Water (Standard Methods 2540C), Radium-226 (USEPA Method 903.1 Modified), and Radium-228 (USEPA Method 904.0 Modified).

Data were reviewed in accordance with the USEPA Region 4 Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[1] and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)[2]. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (field, equipment, and laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met, except for radium-226 from KRA-GWA-8 (735678001) and radium-228 from KRA-GWB-5R as described in the qualifications section below.

Field Precision: Field goals for precision were met, except for total dissolved solids (TDS) from KRA-MW-24D (736004010) and combined radium from KRA-GWB-6R as described in the qualifications section below.

Accuracy: Laboratory goals for accuracy were met, except for fluoride from KRA-GWA-8 (735664001) and KRA-MW-26D (735664012) as described in the qualifications section below.

Detection Limits: Project goals for detection limits were met. Certain samples were diluted due to the concentration of target or non-target analyte interferences. Dilutions do not require qualifications based on USEPA guidelines. Reporting limits (RLs) of non-detect compounds are elevated proportional to the dilution when undiluted sample results were not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

B: The analyte was positively identified above the method detection limit; however, the analyte was also detected in a method blank, field blank, and/or equipment blank.

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the estimated concentration of the analyte in the sample.

ND: The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Samples KRA-GWA-8 (735664001) and KRA-MW-26D (735664012) were qualified as estimated (J) for fluoride as the post spike (PS) exceeded QC criteria (86.5% and 88.4%, respectively, below range of 90-110).

- Samples KRA-MW-24D (736004010) and KRA-GRL-FD-02 (736004011) were qualified as estimated (J) for TDS as the field relative percent difference (RPD) exceeded QC criteria (24.0%, above limit of 20).

- Samples KRA-GWB-6R (735679005) and KRA-GRL-FD-01 (735679013) were qualified as estimated (J) for combined radium as the field RPD exceeded QC criteria (44.9%, above limit of 20).

- Sample KRA-GWA-8 (735679001) was qualified as estimated (J) for radium-226 as the laboratory RPD exceeded QC criteria (41.2%, above limit of 20).

- Sample KRA-GWB-5R (736017001) was qualified as estimated (J) for radium-228 as the laboratory RPD exceeded QC criteria (55.1%, above limit of 20).

- Certain vanadium results on SDG 736004 were qualified as non-detect (ND) due to the analyte being detected at a similar concentration in an associated blank sample (batch method blank). As shown in Table 2, when the original sample result was above the minimum detection limit (MDL) and the associated method blank detection, the new MDL was raised to the detectable concentration of the sample as part of the qualification process. When the original sample result was above the MDL but below the associated method blank, the new MDL was raised to the detectable concentration of the associated method blank.

- Certain calcium results on SDG 736004 were qualified as potentially high biased (B) due to the analyte being detected in an associated equipment blank sample, as shown in Table 2.

- Certain radium-226, radium-228, and combined radium results on SDGs 735679 and 736017 were qualified as potentially high biased (B) due to the compounds being detected in an associated equipment blank sample, as shown in Table 2.

- Sample KRA-GWC-22 (735679010) was qualified for radium-226 and combined radium as potentially high biased (B) due to the compounds being detected in an associated field blank sample, as shown in Table 2.

- Sample KRA-GWC-21 (736017009) was qualified for radium-226 as potentially high biased (B) due to the compound being detected in an associated field blank sample, as shown in Table 2.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from Grumman Road sampled between July 28, 2025 and July 30, 2025 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

[1]USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy, Revision 2.0

[2]USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Sample Summary Table – July 2025

Georgia Power Company – Grumman Road

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
735664	KRA-GWA-8	07/28/25	735664001	WG		X	X	X	
735679	KRA-GWA-8	07/28/25	735679001	WG					X
735664	KRA-GWA-7	07/28/25	735664004	WG		X	X	X	
735682	KRA-GWA-7	07/28/25	735682001	WG		X			
735679	KRA-GWA-7	07/28/25	735679004	WG					X
735664	KRA-GWC-22	07/29/25	735664010	WG		X	X	X	
735679	KRA-GWC-22	07/29/25	735679010	WG					X
735664	KRA-GWB-6R	07/29/25	735664005	WG		X	X	X	
735679	KRA-GWB-6R	07/29/25	735679005	WG					X
735664	KRA-GWC-11	07/29/25	735664007	WG		X	X	X	
735679	KRA-GWC-11	07/29/25	735679007	WG					X
735664	KRA-MW-26D	07/29/25	735664012	WG		X	X	X	
735679	KRA-MW-26D	07/29/25	735679012	WG					X
735664	KRA-GWC-17	07/29/25	735664008	WG		X	X	X	
735679	KRA-GWC-17	07/29/25	735679008	WG					X
735664	KRA-GWB-4R	07/28/25	735664002	WG		X	X	X	
735679	KRA-GWB-4R	07/28/25	735679002	WG					X
735664	KRA-GRL-FB-01	07/28/25	735664003	WQ	FB	X	X	X	
735679	KRA-GRL-FB-01	07/28/25	735679003	WQ	FB				X
735664	KRA-GRL-EB-04	07/29/25	735664015	WQ	EB	X	X	X	
735679	KRA-GRL-EB-04	07/29/25	735679015	WQ	EB				X
735664	KRA-GRL-FD-01	07/29/25	735664013	WG	FD (KRA-GWB-6R)	X	X	X	
735679	KRA-GRL-FD-01	07/29/25	735679013	WG	FD (KRA-GWB-6R)				X
735664	KRA-GWC-1	07/29/25	735664006	WG		X	X	X	
735679	KRA-GWC-1	07/29/25	735679006	WG					X
736004	KRA-GWC-12	07/30/25	736004003	WG		X	X	X	
736017	KRA-GWC-12	07/30/25	736017004	WG					X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
WG – Groundwater
WQ – Water Quality Control

TABLE 1 (continued)

Sample Summary Table – July 2025

Georgia Power Company – Grumman Road

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
736004	KRA-GWC-13	07/30/25	736004005	WG		X	X	X	
736017	KRA-GWC-13	07/30/25	736017005	WG					X
736004	KRA-GWC-21	07/30/25	736004009	WG		X	X	X	
736017	KRA-GWC-21	07/30/25	736017009	WG					X
735664	KRA-GRL-FB-02	07/29/25	735664014	WQ	FB	X	X	X	
735679	KRA-GRL-FB-02	07/29/25	735679014	WQ	FB				X
736004	KRA-GRL-EB-05	07/30/25	736004014	WQ	EB	X	X	X	
736017	KRA-GRL-EB-05	07/30/25	736017014	WQ	EB				X
736004	KRA-GRL-FD-02	07/30/25	736004011	WG	FD (KRA-MW-24D)	X	X	X	
736017	KRA-GRL-FD-02	07/30/25	736017011	WG	FD (KRA-MW-24D)				X
736004	KRA-GWC-2	07/30/25	736004002	WG		X	X	X	
736017	KRA-GWC-2	07/30/25	736017002	WG					X
736004	KRA-GWC-15	07/30/25	736004006	WG		X	X	X	
736017	KRA-GWC-15	07/30/25	736017006	WG					X
736004	KRA-GWC-16	07/30/25	736004008	WG		X	X	X	
736017	KRA-GWC-16	07/30/25	736017008	WG					X
735664	KRA-GWC-20	07/29/25	735664009	WG		X	X	X	
735679	KRA-GWC-20	07/29/25	735679009	WG					X
736004	KRA-GWB-5R	07/30/25	736004001	WG		X	X	X	
736017	KRA-GWB-5R	07/30/25	736017001	WG					X
736004	KRA-GWC-14	07/30/25	736004007	WG		X	X	X	
736017	KRA-GWC-14	07/30/25	736017007	WG					X
735664	KRA-MW-23D	07/29/25	735664011	WG		X	X	X	
735679	KRA-MW-23D	07/29/25	735679011	WG					X
736004	KRA-MW-24D	07/30/25	736004010	WG		X	X	X	
736017	KRA-MW-24D	07/30/25	736017010	WG					X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
WG – Groundwater
WQ – Water Quality Control

TABLE 1 (continued)

Sample Summary Table – July 2025

Georgia Power Company – Grumman Road

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
736004	KRA-MW-25D	07/30/25	736004016	WG		X	X	X	
736017	KRA-MW-25D	07/30/25	736017016	WG					X
736004	KRA-GRL-FD-03	07/30/25	736004012	WG	FD (KRA-GWC-15)	X	X	X	
736017	KRA-GRL-FD-03	07/30/25	736017012	WG	FD (KRA-GWC-15)				X
736004	KRA-GRL-FB-03	07/30/25	736004013	WQ	FB	X	X	X	
736017	KRA-GRL-FB-03	07/30/25	736017013	WQ	FB				X
736004	KRA-GRL-EB-06	07/30/25	736004015	WQ	EB	X	X	X	
736017	KRA-GRL-EB-06	07/30/25	736017015	WQ	EB				X
736004	KRA-GWC-9	07/30/25	736004003	WG		X	X	X	
736017	KRA-GWC-9	07/30/25	736017003	WG					X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
WG – Groundwater
WQ – Water Quality Control

TABLE 2

Qualifier Summary Table – July 2025

Georgia Power Company – Grumman Road

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
736004	KRA-GWB-5R	Calcium			B	Blank detection
736004	KRA-GWC-2	Calcium			B	Blank detection
736004	KRA-GWC-9	Calcium			B	Blank detection
736004	KRA-GWC-12	Calcium			B	Blank detection
736004	KRA-GWC-13	Calcium			B	Blank detection
736004	KRA-GWC-15	Calcium			B	Blank detection
736004	KRA-GWC-14	Calcium			B	Blank detection
736004	KRA-GWC-16	Calcium			B	Blank detection
736004	KRA-GWC-21	Calcium			B	Blank detection
736004	KRA-MW-24D	Calcium			B	Blank detection
736004	KRA-GRL-FD-02	Calcium			B	Blank detection
736004	KRA-GRL-FD-03	Calcium			B	Blank detection
736004	KRA-MW-25D	Calcium			B	Blank detection
736004	KRA-GWB-5R	Vanadium		0.00844	ND	Blank detection
736004	KRA-GWC-2	Vanadium		0.00539	ND	Blank detection
736004	KRA-GWC-9	Vanadium		0.00514	ND	Blank detection
736004	KRA-GWC-12	Vanadium		0.0107	ND	Blank detection
736004	KRA-GWC-13	Vanadium		0.00514	ND	Blank detection
736004	KRA-GWC-15	Vanadium		0.00514	ND	Blank detection
736004	KRA-GWC-14	Vanadium		0.00867	ND	Blank detection
736004	KRA-GWC-16	Vanadium		0.00574	ND	Blank detection
736004	KRA-GWC-21	Vanadium		0.00587	ND	Blank detection
736004	KRA-GRL-FD-02	Vanadium		0.00514	ND	Blank detection
736004	KRA-GRL-FD-03	Vanadium		0.00514	ND	Blank detection
736004	KRA-MW-24D	TDS			J	RPD exceeds field goal
736004	KRA-GRL-FD-02	TDS			J	RPD exceeds field goal
735664	KRA-GWA-8	Fluoride			J	PS outside QC criteria
735664	KRA-MW-26D	Fluoride			J	PS outside QC criteria

Abbreviations:
MDC – Minimum Detectable Concentration
MS/MSD – Matrix Spike / Matrix Spike Duplicate
MDL – Method Detection Limit
PS – Post Spike
QC – Quality Control
RL – Reporting Limit
RPD – Relative Percent Difference
SDG – Sample Delivery Group
TDS – Total Dissolved Solids

Qualifiers:
B – Field or Equipment Blank Detection
J – Estimated Result
ND – Non-Detect Result

TABLE 2 (continued)

Qualifier Summary Table – July 2025

Georgia Power Company – Grumman Road

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
735679	KRA-GWC-22	Radium-226			B	Blank detection
735679	KRA-GWC-22	Combined Radium			B	Blank detection
735679	KRA-GWB-6R	Radium-228			B	Blank detection
735679	KRA-GWB-6R	Combined Radium			B	Blank detection
735679	KRA-GWC-1	Combined Radium			B	Blank detection
735679	KRA-GWC-11	Radium-228			B	Blank detection
735679	KRA-GWC-11	Combined Radium			B	Blank detection
735679	KRA-GWC-20	Radium-228			B	Blank detection
735679	KRA-GWC-20	Combined Radium			B	Blank detection
735679	KRA-GWC-22	Radium-228			B	Blank detection
735679	KRA-GWC-22	Combined Radium			B	Blank detection
735679	KRA-MW-23D	Radium-228			B	Blank detection
735679	KRA-MW-23D	Combined Radium			B	Blank detection
735679	KRA-MW-26D	Radium-228			B	Blank detection
735679	KRA-MW-26D	Combined Radium			B	Blank detection
735679	KRA-GRL-FD-01	Radium-228			B	Blank detection
735679	KRA-GRL-FD-01	Combined Radium			B	Blank detection
735679	KRA-GRL-FB-02	Combined Radium			B	Blank detection
735679	KRA-GWA-8	Radium-226			J	RPD exceeds lab goal
736017	KR-GWB-5R	Radium-228			J	RPD exceeds lab goal
735679	KRA-GWB-6R	Combined Radium			J	RPD exceeds field goal
735679	KRA-GRL-FD-01	Combined Radium			J	RPD exceeds field goal
736017	KRA-GWB-5R	Radium-226			B	Blank detection
736017	KRA-GWB-5R	Radium-228			B	Blank detection
736017	KRA-GWB-5R	Combined Radium			B	Blank detection
736017	KRA-GWC-2	Radium-226			B	Blank detection
736017	KRA-GWC-2	Radium-228			B	Blank detection
736017	KRA-GWC-2	Combined Radium			B	Blank detection

Abbreviations:
MDC – Minimum Detectable Concentration
MS/MSD – Matrix Spike / Matrix Spike Duplicate
MDL – Method Detection Limit
PS – Post Spike
QC – Quality Control
RL – Reporting Limit
RPD – Relative Percent Difference
SDG – Sample Delivery Group
TDS – Total Dissolved Solids

Qualifiers:
B – Field or Equipment Blank Detection
J – Estimated Result
ND – Non-Detect Result

TABLE 2 (continued)

Qualifier Summary Table – July 2025

Georgia Power Company – Grumman Road

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
736017	KRA-GWC-9	Radium-226			B	Blank detection
736017	KRA-GWC-9	Radium-228			B	Blank detection
736017	KRA-GWC-9	Combined Radium			B	Blank detection
736017	KRA-GWC-12	Radium-226			B	Blank detection
736017	KRA-GWC-12	Combined Radium			B	Blank detection
736017	KRA-GWC-13	Radium-226			B	Blank detection
736017	KRA-GWC-13	Combined Radium			B	Blank detection
736017	KRA-GWC-15	Radium-226			B	Blank detection
736017	KRA-GWC-15	Radium-228			B	Blank detection
736017	KRA-GWC-15	Combined Radium			B	Blank detection
736017	KRA-GWC-14	Radium-226			B	Blank detection
736017	KRA-GWC-16	Radium-226			B	Blank detection
736017	KRA-GWC-16	Radium-228			B	Blank detection
736017	KRA-GWC-16	Combined Radium			B	Blank detection
736017	KRA-GWC-21	Radium-226			B	Blank detection
736017	KRA-GWC-21	Radium-228			B	Blank detection
736017	KRA-GWC-21	Combined Radium			B	Blank detection
736017	KRA-GRL-FD-02	Combined Radium			B	Blank detection
736017	KRA-GRL-FD-03	Radium-226			B	Blank detection
736017	KRA-GRL-FD-03	Radium-228			B	Blank detection
736017	KRA-GRL-FD-03	Combined Radium			B	Blank detection
736017	KRA-GRL-EB-05	Radium-228			B	Blank detection
736017	KRA-MW-25D	Radium-226			B	Blank detection
736017	KRA-MW-25D	Radium-228			B	Blank detection
736017	KRA-MW-25D	Combined Radium			B	Blank detection

Abbreviations:
MDC – Minimum Detectable Concentration
MS/MSD – Matrix Spike / Matrix Spike Duplicate
MDL – Method Detection Limit
PS – Post Spike
QC – Quality Control
RL – Reporting Limit
RPD – Relative Percent Difference
SDG – Sample Delivery Group
TDS – Total Dissolved Solids

Qualifiers:
B – Field or Equipment Blank Detection
J – Estimated Result
ND – Non-Detect Result

LEVEL 2A LABORATORY DATA VALIDATIONS

Grumman Road – Clifton Seep

Semiannual Event

July 2025

Georgia Power Company – Clifton Seep

Quality Control Review of Analytical Data – July 2025

This narrative presents results of the Quality Control (QC) data review performed on analytical results submitted by GEL Laboratories LLC, Charleston for the water sample collected at Grumman Road Clifton Seep on July 30, 2025. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample location, analytical parameters, QC samples, sampling date, and laboratory sample delivery group (SDG) designation is summarized in Table 1 of this Appendix.

In accordance with water monitoring and corrective action procedures discussed in Title 40 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the sample was analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III, assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV, and other relevant parameters. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions (USEPA Method 300.0), Solids in Water (Standard Methods 2540C), Radium-226 (USEPA 903.1 Modified), and Radium-228 (USEPA Method 904.0 Modified) as well as select geochemical indicator parameters.

Data were reviewed in accordance with the USEPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[1] and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)[2]. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met, except for sulfate and boron from CLIFTON SEEP (736031001) as described in the qualifications section below.

Field Precision: Field goals for precision were not applicable to this sampling event.

Accuracy: Laboratory goals for accuracy were met, except for chloride from CLIFTON SEEP (736031001) as described in the qualifications section below.

Detection Limits: Project goals for detection limits were met. Certain analyses were diluted due to the concentration of target or non-target analyte interferences. Dilutions do not require qualifications based on USEPA guidelines. Reporting limits (RLs) of non-detect compounds are elevated proportional to the dilution when undiluted sample results were not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the sample collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

B: The analyte was positively identified above the method detection limit; however, the analyte was also detected in a method blank, field blank, and/or equipment blank.

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the estimated concentration of the analyte in the sample.

ND: The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Sample CLIFTON SEEP (736031001) was qualified as estimated (J) for sulfate as the laboratory relative percent difference (RPD) exceeded QC criteria (27.2%, above limit of 20).

- Sample CLIFTON SEEP (736031001) was qualified as estimated (J) for boron as the matrix spike / matrix spike duplicate RPD exceeded QC criteria (23.4%, above limit of 20).

- Sample CLIFTON SEEP (736031001) was qualified as estimated (J) for chloride as the post spike (PS) exceeded QC criteria (114%, above range of 90-110).

- Sample CLIFTON SEEP (736031001) was qualified as potentially high biased (B) for barium due to the analyte being detected in an associated blank sample (batch method blank). As shown in Table 2, when the original sample result was above the RL, the RL was not revised as part of the qualification process.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from Grumman Road Clifton Seep sampled on July 30, 2025 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

[1]USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy, Revision 2.0

[2]USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Sample Summary Table – July 2025

Georgia Power Company – Clifton Seep

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
736031	CLIFTON SEEP	7/30/2023	736031001	W		X	X	X	
736812	CLIFTON SEEP	7/30/2023	736812001	W					X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
GW – Groundwater
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
W – Water
WQ – Water Quality Control

TABLE 2

Qualifier Summary Table – July 2025

Georgia Power Company – Clifton Seep

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
736031	CLIFTON SEEP	Sulfate			J	RPD exceeds lab goal
736031	CLIFTON SEEP	Chloride			J	PS outside QC criteria
736031	CLIFTON SEEP	Barium			B	Blank detection
736031	CLIFTON SEEP	Boron			J	MS/MSD RPD outside range

Abbreviations:
MDC – Minimum Detectable Concentration
MS/MSD – Matrix Spike / Matrix Spike Duplicate
MDL – Method Detection Limit
PS – Post Spike
QC – Quality Control
RL – Reporting Limit
RPD – Relative Percent Difference
SDG – Sample Delivery Group
TDS – Total Dissolved Solids

Qualifiers:
B – Field or Equipment Blank Detection
J – Estimated Result
ND – Non-Detect Result

Low-Flow Test Report:

Test Date / Time: 7/28/2025 3:50:08 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWA-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 15.91 ft** **Total Depth: 20.91 ft** **Initial Depth to Water: 5.81 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 6.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 7.08 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:
Sample Time: 1615
Sunny, 90s
Field-filtered sample collected for Dissolved Metals

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/28/2025 3:50 PM	00:00	6.100 pH	32.30 °C	1,393 µS/cm	0.275 mg/L	3.180 NTU	-50.4 mV	5.810 ft	250.0 ml/min
7/28/2025 3:55 PM	05:00	6.211 pH	26.44 °C	1,619 µS/cm	0.037 mg/L	9.930 NTU	-53.1 mV	6.300 ft	250.0 ml/min
7/28/2025 4:00 PM	10:00	6.218 pH	25.63 °C	1,536 µS/cm	0.009 mg/L	15.20 NTU	-54.6 mV	6.400 ft	250.0 ml/min
7/28/2025 4:05 PM	15:00	6.222 pH	25.30 °C	1,451 µS/cm	0.004 mg/L	34.40 NTU	-54.0 mV	6.400 ft	250.0 ml/min
7/28/2025 4:10 PM	20:00	6.217 pH	25.26 °C	1,438 µS/cm	0.002 mg/L	51.30 NTU	-54.3 mV	6.400 ft	250.0 ml/min
7/28/2025 4:15 PM	25:00	6.214 pH	25.10 °C	1,421 µS/cm	-0.001 mg/L	66.70 NTU	-53.3 mV	6.400 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/28/2025 2:36:21 PM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWA-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 15.19 ft** **Total Depth: 20.19 ft** **Initial Depth to Water: 6.51 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 25.1 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sampled time 1511. Partly cloudy, 98 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/28/2025 2:36 PM	00:00	5.327 pH	27.58 °C	189.3 µS/cm	0.601 mg/L	1.080 NTU	175.7 mV	6.510 ft	200.0 ml/min
7/28/2025 2:41 PM	05:00	5.193 pH	26.68 °C	191.1 µS/cm	0.242 mg/L	2.020 NTU	87.7 mV	8.000 ft	200.0 ml/min
7/28/2025 2:46 PM	10:00	5.023 pH	26.26 °C	205.6 µS/cm	0.143 mg/L	2.010 NTU	33.7 mV	8.300 ft	200.0 ml/min
7/28/2025 2:51 PM	15:00	4.828 pH	26.01 °C	253.8 µS/cm	0.097 mg/L	1.620 NTU	-6.0 mV	8.450 ft	200.0 ml/min
7/28/2025 2:56 PM	20:00	4.731 pH	25.90 °C	283.2 µS/cm	0.075 mg/L	0.760 NTU	-31.1 mV	8.550 ft	200.0 ml/min
7/28/2025 3:01 PM	25:00	4.680 pH	25.76 °C	294.5 µS/cm	0.060 mg/L	0.560 NTU	-40.1 mV	8.600 ft	200.0 ml/min
7/28/2025 3:06 PM	30:00	4.662 pH	25.89 °C	299.4 µS/cm	0.055 mg/L	0.540 NTU	-45.8 mV	8.600 ft	200.0 ml/min
7/28/2025 3:11 PM	35:00	4.652 pH	25.96 °C	301.5 µS/cm	0.052 mg/L	0.810 NTU	-48.6 mV	8.600 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/28/2025 3:58:22 PM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWB-4R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.87 ft** **Total Depth: 26.87 ft** **Initial Depth to Water: 14.37 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 8.8 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 5.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1633. Sunny 97. FB-01 here at 1650.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/28/2025 3:58 PM	00:00	6.447 pH	26.52 °C	3,624 µS/cm	0.138 mg/L	2.400 NTU	-172.7 mV	14.37 ft	250.0 ml/min
7/28/2025 4:03 PM	05:00	6.419 pH	25.58 °C	3,484 µS/cm	0.044 mg/L	2.900 NTU	-176.3 mV	14.70 ft	250.0 ml/min
7/28/2025 4:08 PM	10:00	6.296 pH	25.62 °C	3,075 µS/cm	0.048 mg/L	2.290 NTU	-162.2 mV	14.70 ft	250.0 ml/min
7/28/2025 4:13 PM	15:00	6.236 pH	24.76 °C	2,963 µS/cm	0.069 mg/L	2.370 NTU	-160.2 mV	14.70 ft	250.0 ml/min
7/28/2025 4:18 PM	20:00	6.172 pH	24.56 °C	2,968 µS/cm	0.069 mg/L	2.000 NTU	-157.4 mV	14.75 ft	250.0 ml/min
7/28/2025 4:23 PM	25:00	6.096 pH	24.91 °C	2,932 µS/cm	0.050 mg/L	2.100 NTU	-149.0 mV	14.75 ft	250.0 ml/min
7/28/2025 4:28 PM	30:00	6.070 pH	25.48 °C	2,918 µS/cm	0.032 mg/L	1.460 NTU	-147.3 mV	14.75 ft	250.0 ml/min
7/28/2025 4:33 PM	35:00	6.092 pH	25.23 °C	2,891 µS/cm	0.034 mg/L	1.410 NTU	-148.1 mV	14.80 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/30/2025 1:20:24 PM
Project: Grumman Road Landfill
Operator Name: Taylor Goble

Location Name: GWB-5R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.49 ft** **Total Depth: 26.49 ft** **Initial Depth to Water: 9.84 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 21 ft** **Estimated Total Volume Pumped: 6.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sampled at 1345. Cloudy 92 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 1:20 PM	00:00	5.46 pH	25.83 °C	1,691.5 µS/cm	0.36 mg/L	2.52 NTU	-112.9 mV	9.84 ft	250.00 ml/min
7/30/2025 1:25 PM	05:00	5.52 pH	25.40 °C	1,703.3 µS/cm	0.06 mg/L	2.61 NTU	-184.8 mV	9.84 ft	250.00 ml/min
7/30/2025 1:30 PM	10:00	5.48 pH	25.22 °C	1,636.8 µS/cm	0.05 mg/L	2.73 NTU	-188.4 mV	9.84 ft	250.00 ml/min
7/30/2025 1:35 PM	15:00	5.47 pH	25.45 °C	1,616.7 µS/cm	0.05 mg/L	2.83 NTU	-190.2 mV	9.84 ft	250.00 ml/min
7/30/2025 1:40 PM	20:00	5.47 pH	25.26 °C	1,556.5 µS/cm	0.05 mg/L	2.90 NTU	-194.3 mV	9.84 ft	250.00 ml/min
7/30/2025 1:45 PM	25:00	5.47 pH	25.35 °C	1,568.7 µS/cm	0.04 mg/L	2.34 NTU	-191.1 mV	9.84 ft	250.00 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 8:00:03 AM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWB-6R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.86 ft** **Total Depth: 22.86 ft** **Initial Depth to Water: 7.34 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 6.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 1.92 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:
Sample Time: 0825
Sunny, 80s
GRL-FD-01 poured here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 8:00 AM	00:00	5.426 pH	25.46 °C	1,263 µS/cm	0.409 mg/L	5.900 NTU	-6.4 mV	7.340 ft	250.0 ml/min
7/29/2025 8:05 AM	05:00	5.434 pH	24.70 °C	1,265 µS/cm	0.176 mg/L	5.940 NTU	-15.7 mV	7.500 ft	250.0 ml/min
7/29/2025 8:10 AM	10:00	5.436 pH	24.58 °C	1,243 µS/cm	0.094 mg/L	5.320 NTU	-17.8 mV	7.500 ft	250.0 ml/min
7/29/2025 8:15 AM	15:00	5.449 pH	24.51 °C	1,242 µS/cm	0.068 mg/L	3.180 NTU	-18.7 mV	7.500 ft	250.0 ml/min
7/29/2025 8:20 AM	20:00	5.453 pH	24.49 °C	1,240 µS/cm	0.060 mg/L	4.210 NTU	-18.8 mV	7.500 ft	250.0 ml/min
7/29/2025 8:25 AM	25:00	5.468 pH	24.88 °C	1,250 µS/cm	0.054 mg/L	3.220 NTU	-18.0 mV	7.500 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 12:47:05 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWC-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.33 ft** **Total Depth: 27.33 ft** **Initial Depth to Water: 18.66 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.48 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:
Sample Time: 1312
Cloudy, 90s
EB-04 @ 1100

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 12:47 PM	00:00	5.331 pH	29.89 °C	208.3 µS/cm	0.867 mg/L	3.200 NTU	94.2 mV	18.66 ft	300.0 ml/min
7/29/2025 12:52 PM	05:00	5.862 pH	27.31 °C	345.3 µS/cm	0.473 mg/L	0.780 NTU	131.9 mV	18.70 ft	300.0 ml/min
7/29/2025 12:57 PM	10:00	5.982 pH	26.13 °C	385.6 µS/cm	0.427 mg/L	0.840 NTU	101.0 mV	18.70 ft	300.0 ml/min
7/29/2025 1:02 PM	15:00	5.996 pH	25.53 °C	385.9 µS/cm	0.430 mg/L	0.910 NTU	92.4 mV	18.70 ft	300.0 ml/min
7/29/2025 1:07 PM	20:00	6.003 pH	25.67 °C	394.0 µS/cm	0.440 mg/L	0.830 NTU	87.5 mV	18.70 ft	300.0 ml/min
7/29/2025 1:12 PM	25:00	6.007 pH	25.21 °C	385.0 µS/cm	0.427 mg/L	0.710 NTU	84.9 mV	18.70 ft	300.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 3:01:06 PM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 27.08 ft** **Total Depth: 32.08 ft** **Initial Depth to Water: 18.42 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 30 ft** **Estimated Total Volume Pumped: 5.8 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 1 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1526. Partly cloudy 94.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 3:01 PM	00:00	4.926 pH	25.30 °C	86.40 µS/cm	0.990 mg/L	5.200 NTU	96.7 mV	18.42 ft	200.0 ml/min
7/30/2025 3:06 PM	05:00	4.825 pH	23.67 °C	86.58 µS/cm	0.388 mg/L	3.630 NTU	73.1 mV	18.50 ft	200.0 ml/min
7/30/2025 3:11 PM	10:00	4.700 pH	23.21 °C	86.16 µS/cm	0.227 mg/L	2.020 NTU	43.7 mV	18.50 ft	250.0 ml/min
7/30/2025 3:16 PM	15:00	4.508 pH	23.21 °C	86.94 µS/cm	0.179 mg/L	2.630 NTU	30.8 mV	18.50 ft	250.0 ml/min
7/30/2025 3:21 PM	20:00	4.421 pH	23.01 °C	87.18 µS/cm	0.146 mg/L	1.440 NTU	28.9 mV	18.50 ft	250.0 ml/min
7/30/2025 3:26 PM	25:00	4.479 pH	22.89 °C	87.05 µS/cm	0.133 mg/L	1.820 NTU	17.9 mV	18.50 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 8:41:16 AM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.94 ft** **Total Depth: 27.94 ft** **Initial Depth to Water: 8.18 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 10.4 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 165.8 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Well purged dry. Allow overnight recharge.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 8:41 AM	00:00	4.885 pH	24.67 °C	210.7 µS/cm	1.263 mg/L	4.380 NTU	136.1 mV	8.180 ft	200.0 ml/min
7/29/2025 8:46 AM	05:00	4.810 pH	23.94 °C	195.8 µS/cm	0.382 mg/L	1.620 NTU	-24.9 mV	10.20 ft	200.0 ml/min
7/29/2025 8:51 AM	10:00	4.818 pH	24.60 °C	196.8 µS/cm	0.314 mg/L	2.010 NTU	-65.1 mV	11.00 ft	140.0 ml/min
7/29/2025 8:56 AM	15:00	4.833 pH	25.54 °C	200.9 µS/cm	0.257 mg/L	1.030 NTU	-70.6 mV	11.00 ft	100.0 ml/min
7/29/2025 9:01 AM	20:00	4.844 pH	25.72 °C	199.7 µS/cm	0.242 mg/L	1.540 NTU	-73.1 mV	11.90 ft	100.0 ml/min
7/29/2025 9:06 AM	25:00	4.854 pH	26.03 °C	196.7 µS/cm	0.226 mg/L	1.190 NTU	-75.2 mV	13.20 ft	100.0 ml/min
7/29/2025 9:11 AM	30:00	4.862 pH	26.30 °C	195.7 µS/cm	0.221 mg/L	1.510 NTU	-71.8 mV	13.70 ft	80.00 ml/min
7/29/2025 9:16 AM	35:00	4.878 pH	26.29 °C	198.9 µS/cm	0.214 mg/L	2.410 NTU	-69.2 mV	14.20 ft	80.00 ml/min
7/29/2025 9:21 AM	40:00	4.882 pH	26.48 °C	195.8 µS/cm	0.201 mg/L	2.630 NTU	-65.0 mV	14.70 ft	80.00 ml/min
7/29/2025 9:26 AM	45:00	4.911 pH	24.29 °C	194.6 µS/cm	0.142 mg/L	1.550 NTU	-69.3 mV	15.90 ft	200.0 ml/min
7/29/2025 9:31 AM	50:00	4.909 pH	24.55 °C	194.0 µS/cm	0.128 mg/L	1.610 NTU	-68.9 mV	17.30 ft	200.0 ml/min
7/29/2025 9:36 AM	55:00	4.921 pH	24.61 °C	195.4 µS/cm	0.148 mg/L	2.300 NTU	-65.0 mV	18.40 ft	200.0 ml/min
7/29/2025 9:41 AM	01:00:00	4.921 pH	24.76 °C	192.7 µS/cm	0.231 mg/L	3.570 NTU	-54.2 mV	19.60 ft	200.0 ml/min
7/29/2025 9:46 AM	01:05:00	4.918 pH	24.98 °C	191.2 µS/cm	0.441 mg/L	4.540 NTU	-38.3 mV	20.70 ft	200.0 ml/min
7/29/2025 9:51 AM	01:10:00	4.945 pH	25.41 °C	191.5 µS/cm	0.815 mg/L	5.270 NTU	-27.1 mV	22.00 ft	200.0 ml/min

Low-Flow Test Report:

Test Date / Time: 7/30/2025 8:48:08 AM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.94 ft** **Total Depth: 27.94 ft** **Initial Depth to Water: 8.39 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 2 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 38.5 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sampled after overnight recharge. Sample time 0853. Cloudy 82.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 8:48 AM	00:00	4.582 pH	25.88 °C	175.4 µS/cm	1.256 mg/L	1.800 NTU	-14.4 mV	8.390 ft	100.0 ml/min
7/30/2025 8:53 AM	05:00	4.512 pH	24.42 °C	166.0 µS/cm	0.420 mg/L	1.650 NTU	-12.3 mV	11.60 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 11:10:28 AM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 17.86 ft** **Total Depth: 22.86 ft** **Initial Depth to Water: 12.08 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 20 ft** **Estimated Total Volume Pumped: 10.2 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 180 ml/min** **Final Draw Down: 54.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1210. Partly cloudy, 91.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 11:10 AM	00:00	5.089 pH	28.63 °C	771.4 µS/cm	3.614 mg/L	1.610 NTU	34.6 mV	12.08 ft	160.0 ml/min
7/29/2025 11:15 AM	05:00	5.027 pH	25.27 °C	766.0 µS/cm	0.493 mg/L	1.370 NTU	66.9 mV	13.60 ft	160.0 ml/min
7/29/2025 11:20 AM	10:00	5.026 pH	25.07 °C	796.3 µS/cm	0.341 mg/L	1.000 NTU	88.7 mV	14.30 ft	180.0 ml/min
7/29/2025 11:25 AM	15:00	4.998 pH	24.88 °C	857.7 µS/cm	0.276 mg/L	0.870 NTU	105.2 mV	15.10 ft	180.0 ml/min
7/29/2025 11:30 AM	20:00	4.998 pH	24.78 °C	938.6 µS/cm	0.222 mg/L	1.110 NTU	115.4 mV	15.50 ft	180.0 ml/min
7/29/2025 11:35 AM	25:00	4.987 pH	24.70 °C	1,027 µS/cm	0.214 mg/L	1.530 NTU	125.0 mV	16.00 ft	180.0 ml/min
7/29/2025 11:40 AM	30:00	4.969 pH	24.76 °C	1,112 µS/cm	0.231 mg/L	1.980 NTU	136.9 mV	16.30 ft	180.0 ml/min
7/29/2025 11:45 AM	35:00	4.955 pH	24.24 °C	1,179 µS/cm	0.259 mg/L	2.130 NTU	144.8 mV	16.50 ft	180.0 ml/min
7/29/2025 11:50 AM	40:00	4.932 pH	24.81 °C	1,273 µS/cm	0.274 mg/L	1.930 NTU	154.1 mV	16.75 ft	180.0 ml/min
7/29/2025 11:55 AM	45:00	4.922 pH	25.16 °C	1,416 µS/cm	0.242 mg/L	2.130 NTU	164.3 mV	16.70 ft	150.0 ml/min
7/29/2025 12:00 PM	50:00	4.925 pH	25.11 °C	1,448 µS/cm	0.226 mg/L	2.140 NTU	170.0 mV	16.60 ft	150.0 ml/min
7/29/2025 12:05 PM	55:00	4.934 pH	25.40 °C	1,501 µS/cm	0.212 mg/L	1.760 NTU	171.7 mV	16.55 ft	150.0 ml/min
7/29/2025 12:10 PM	01:00:00	4.921 pH	24.75 °C	1,450 µS/cm	0.213 mg/L	1.690 NTU	173.7 mV	16.60 ft	180.0 ml/min

Low-Flow Test Report:

Test Date / Time: 7/30/2025 10:35:22 AM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22 ft** **Total Depth: 27.1 ft** **Initial Depth to Water: 11.69 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 17.2 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1150. Mostly cloudy 87.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 10:35 AM	00:00	4.105 pH	26.15 °C	971.8 µS/cm	2.206 mg/L	3.120 NTU	52.9 mV	11.69 ft	200.0 ml/min
7/30/2025 10:40 AM	05:00	3.949 pH	23.90 °C	973.4 µS/cm	0.463 mg/L	1.180 NTU	20.1 mV	11.90 ft	200.0 ml/min
7/30/2025 10:45 AM	10:00	4.015 pH	23.53 °C	956.7 µS/cm	0.259 mg/L	0.950 NTU	16.1 mV	12.10 ft	200.0 ml/min
7/30/2025 10:50 AM	15:00	4.057 pH	23.56 °C	950.4 µS/cm	0.179 mg/L	1.110 NTU	10.6 mV	12.10 ft	200.0 ml/min
7/30/2025 10:55 AM	20:00	4.083 pH	23.58 °C	948.2 µS/cm	0.147 mg/L	0.670 NTU	8.0 mV	12.10 ft	200.0 ml/min
7/30/2025 11:00 AM	25:00	4.092 pH	23.53 °C	943.6 µS/cm	0.135 mg/L	0.630 NTU	8.5 mV	12.10 ft	240.0 ml/min
7/30/2025 11:05 AM	30:00	4.096 pH	23.60 °C	955.2 µS/cm	0.123 mg/L	0.830 NTU	7.9 mV	12.10 ft	240.0 ml/min
7/30/2025 11:10 AM	35:00	4.096 pH	23.50 °C	955.4 µS/cm	0.116 mg/L	1.380 NTU	9.2 mV	12.10 ft	240.0 ml/min
7/30/2025 11:15 AM	40:00	4.094 pH	23.54 °C	951.2 µS/cm	0.111 mg/L	0.580 NTU	11.0 mV	12.10 ft	240.0 ml/min
7/30/2025 11:20 AM	45:00	4.095 pH	23.61 °C	956.8 µS/cm	0.107 mg/L	0.600 NTU	11.3 mV	12.10 ft	240.0 ml/min
7/30/2025 11:25 AM	50:00	4.131 pH	23.46 °C	931.4 µS/cm	0.104 mg/L	0.950 NTU	11.1 mV	12.10 ft	240.0 ml/min
7/30/2025 11:30 AM	55:00	4.153 pH	23.60 °C	935.5 µS/cm	0.101 mg/L	0.900 NTU	10.2 mV	12.10 ft	240.0 ml/min
7/30/2025 11:35 AM	01:00:00	4.220 pH	23.38 °C	947.5 µS/cm	0.102 mg/L	0.900 NTU	7.0 mV	12.10 ft	250.0 ml/min
7/30/2025 11:40 AM	01:05:00	4.288 pH	23.35 °C	941.4 µS/cm	0.094 mg/L	0.590 NTU	4.1 mV	12.20 ft	250.0 ml/min
7/30/2025 11:45 AM	01:10:00	4.330 pH	23.32 °C	951.4 µS/cm	0.090 mg/L	0.420 NTU	2.5 mV	12.20 ft	250.0 ml/min

7/30/2025 11:50 AM	01:15:00	4.366 pH	23.39 °C	947.2 µS/cm	0.089 mg/L	0.420 NTU	-0.0 mV	12.20 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 1:19:13 PM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.31 ft** **Total Depth: 24.31 ft** **Initial Depth to Water: 13.37 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 5.8 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 230 ml/min** **Final Draw Down: 7.6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1344. Partly cloudy 92. EB-05 here at 1400.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 1:19 PM	00:00	4.968 pH	25.77 °C	185.0 µS/cm	1.531 mg/L	17.30 NTU	60.9 mV	13.37 ft	230.0 ml/min
7/30/2025 1:24 PM	05:00	4.631 pH	24.37 °C	212.6 µS/cm	0.622 mg/L	11.80 NTU	157.3 mV	14.00 ft	230.0 ml/min
7/30/2025 1:29 PM	10:00	4.482 pH	24.12 °C	234.2 µS/cm	0.433 mg/L	3.300 NTU	185.2 mV	14.00 ft	230.0 ml/min
7/30/2025 1:34 PM	15:00	4.578 pH	24.09 °C	238.6 µS/cm	0.230 mg/L	3.300 NTU	119.6 mV	14.00 ft	230.0 ml/min
7/30/2025 1:39 PM	20:00	4.609 pH	24.00 °C	237.0 µS/cm	0.173 mg/L	1.700 NTU	89.5 mV	14.00 ft	230.0 ml/min
7/30/2025 1:44 PM	25:00	4.620 pH	24.10 °C	234.3 µS/cm	0.150 mg/L	1.000 NTU	77.7 mV	14.00 ft	230.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/30/2025 3:25:11 PM
Project: Grumman Road Landfill
Operator Name: C.Klamke

Location Name: GWC-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.24 ft** **Total Depth: 27.24 ft** **Initial Depth to Water: 18.88 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 6.7 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 5.8 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample time 1555. Partly Cloudy 94 degrees

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 3:25 PM	00:00	6.165 pH	24.58 °C	919.9 µS/cm	0.340 mg/L	2.340 NTU	84.6 mV	18.88 ft	225.0 ml/min
7/30/2025 3:30 PM	05:00	6.149 pH	23.92 °C	931.4 µS/cm	0.340 mg/L	2.380 NTU	65.2 mV	19.35 ft	225.0 ml/min
7/30/2025 3:35 PM	10:00	6.093 pH	24.07 °C	923.3 µS/cm	0.565 mg/L	1.480 NTU	-14.3 mV	19.36 ft	225.0 ml/min
7/30/2025 3:40 PM	15:00	6.035 pH	23.79 °C	913.6 µS/cm	0.517 mg/L	1.240 NTU	-79.1 mV	19.36 ft	225.0 ml/min
7/30/2025 3:45 PM	20:00	6.026 pH	23.94 °C	953.0 µS/cm	0.470 mg/L	1.080 NTU	-70.0 mV	19.36 ft	225.0 ml/min
7/30/2025 3:50 PM	25:00	6.035 pH	23.78 °C	979.5 µS/cm	0.455 mg/L	1.040 NTU	-72.1 mV	19.36 ft	225.0 ml/min
7/30/2025 3:55 PM	30:00	6.059 pH	23.75 °C	986.1 µS/cm	0.451 mg/L	1.180 NTU	-86.5 mV	19.36 ft	225.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 2:20:04 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.03 ft** **Total Depth: 27.03 ft** **Initial Depth to Water: 18.81 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 22.03 ft** **Estimated Total Volume Pumped: 6.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 4.68 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1149710**

Test Notes:
Sample Time: 1445
Sunny, 90s
FD-03 collected here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 2:20 PM	00:00	6.515 pH	31.16 °C	619.0 µS/cm	0.687 mg/L	10.70 NTU	19.3 mV	18.81 ft	250.0 ml/min
7/30/2025 2:25 PM	05:00	6.555 pH	28.02 °C	637.6 µS/cm	0.200 mg/L	9.640 NTU	42.8 mV	19.20 ft	250.0 ml/min
7/30/2025 2:30 PM	10:00	6.573 pH	27.40 °C	641.1 µS/cm	0.160 mg/L	5.640 NTU	53.8 mV	19.20 ft	250.0 ml/min
7/30/2025 2:35 PM	15:00	6.578 pH	27.70 °C	636.7 µS/cm	0.117 mg/L	4.540 NTU	65.3 mV	19.20 ft	250.0 ml/min
7/30/2025 2:40 PM	20:00	6.576 pH	27.76 °C	634.1 µS/cm	0.096 mg/L	2.130 NTU	68.5 mV	19.20 ft	250.0 ml/min
7/30/2025 2:45 PM	25:00	6.579 pH	27.74 °C	633.9 µS/cm	0.082 mg/L	1.710 NTU	71.3 mV	19.20 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 10:45:18 AM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 23.95 ft** **Total Depth: 28.95 ft** **Initial Depth to Water: 20.26 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 7.875 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 4.08 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1149710**

Test Notes:
Sample Time: 1120
Sunny, 90s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 10:45 AM	00:00	4.733 pH	30.47 °C	1,502 µS/cm	3.140 mg/L	27.20 NTU	167.6 mV	20.26 ft	225.0 ml/min
7/30/2025 10:50 AM	05:00	4.967 pH	25.89 °C	1,837 µS/cm	0.236 mg/L	19.80 NTU	227.6 mV	20.40 ft	225.0 ml/min
7/30/2025 10:55 AM	10:00	5.087 pH	25.76 °C	2,015 µS/cm	0.143 mg/L	13.60 NTU	193.3 mV	20.50 ft	225.0 ml/min
7/30/2025 11:00 AM	15:00	5.218 pH	25.83 °C	1,924 µS/cm	0.147 mg/L	12.10 NTU	209.3 mV	20.50 ft	225.0 ml/min
7/30/2025 11:05 AM	20:00	5.379 pH	25.26 °C	1,633 µS/cm	0.322 mg/L	3.610 NTU	216.7 mV	20.60 ft	225.0 ml/min
7/30/2025 11:10 AM	25:00	5.277 pH	25.00 °C	1,957 µS/cm	0.188 mg/L	5.420 NTU	222.5 mV	20.60 ft	225.0 ml/min
7/30/2025 11:15 AM	30:00	5.300 pH	25.44 °C	2,017 µS/cm	0.161 mg/L	2.780 NTU	219.8 mV	20.60 ft	225.0 ml/min
7/30/2025 11:20 AM	35:00	5.318 pH	25.83 °C	1,996 µS/cm	0.160 mg/L	2.710 NTU	220.6 mV	20.60 ft	225.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 4:18:14 PM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 18.64 ft** **Total Depth: 23.64 ft** **Initial Depth to Water: 5.78 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 21 ft** **Estimated Total Volume Pumped: 49.6 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.22 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Pre-purged to assist with turbidity. Pre-purged approx 39 liters from 1300 - 1610. Sample time 1708. Cloudy 88.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 4:18 PM	00:00	5.101 pH	25.62 °C	2,298 µS/cm	0.969 mg/L	11.50 NTU	-6.6 mV	8.040 ft	200.0 ml/min
7/29/2025 4:23 PM	05:00	5.063 pH	25.24 °C	2,335 µS/cm	0.750 mg/L	10.50 NTU	-37.9 mV	8.040 ft	200.0 ml/min
7/29/2025 4:28 PM	10:00	4.974 pH	25.63 °C	2,275 µS/cm	0.687 mg/L	10.30 NTU	-41.8 mV	8.040 ft	200.0 ml/min
7/29/2025 4:33 PM	15:00	4.952 pH	25.44 °C	2,231 µS/cm	0.699 mg/L	9.600 NTU	-46.8 mV	8.040 ft	200.0 ml/min
7/29/2025 4:38 PM	20:00	4.932 pH	25.70 °C	2,304 µS/cm	0.556 mg/L	17.10 NTU	-53.7 mV	8.000 ft	200.0 ml/min
7/29/2025 4:43 PM	25:00	4.860 pH	26.02 °C	2,407 µS/cm	0.437 mg/L	10.20 NTU	-57.5 mV	8.000 ft	200.0 ml/min
7/29/2025 4:48 PM	30:00	4.911 pH	26.53 °C	2,343 µS/cm	0.963 mg/L	15.00 NTU	-56.3 mV	8.000 ft	200.0 ml/min
7/29/2025 4:53 PM	35:00	5.131 pH	25.32 °C	2,084 µS/cm	0.946 mg/L	9.800 NTU	-59.8 mV	8.000 ft	200.0 ml/min
7/29/2025 4:58 PM	40:00	5.126 pH	25.39 °C	2,100 µS/cm	0.823 mg/L	9.020 NTU	-63.5 mV	8.000 ft	200.0 ml/min
7/29/2025 5:03 PM	45:00	5.074 pH	25.57 °C	2,173 µS/cm	0.688 mg/L	9.780 NTU	-65.7 mV	8.000 ft	200.0 ml/min
7/29/2025 5:08 PM	50:00	5.063 pH	25.46 °C	2,183 µS/cm	0.623 mg/L	9.520 NTU	-68.6 mV	8.000 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/29/2025 1:53:55 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 20.51 ft** **Total Depth: 25.51 ft** **Initial Depth to Water: 20.65 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 9.45 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 210 ml/min** **Final Draw Down: 6.6 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:
Sample Time: 1439
Rainy, 90s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 1:53 PM	00:00	5.965 pH	25.54 °C	2,191 µS/cm	0.990 mg/L	1.800 NTU	49.6 mV	20.65 ft	210.0 ml/min
7/29/2025 1:58 PM	05:00	5.954 pH	24.06 °C	2,204 µS/cm	0.556 mg/L	3.430 NTU	47.3 mV	21.00 ft	210.0 ml/min
7/29/2025 2:03 PM	10:00	5.944 pH	23.88 °C	2,192 µS/cm	0.250 mg/L	2.560 NTU	47.9 mV	21.10 ft	210.0 ml/min
7/29/2025 2:08 PM	15:00	5.932 pH	23.75 °C	2,156 µS/cm	0.184 mg/L	2.340 NTU	44.9 mV	21.20 ft	210.0 ml/min
7/29/2025 2:13 PM	20:00	5.925 pH	23.60 °C	2,133 µS/cm	0.166 mg/L	2.210 NTU	42.9 mV	21.20 ft	210.0 ml/min
7/29/2025 2:18 PM	25:00	5.922 pH	23.50 °C	2,119 µS/cm	0.151 mg/L	1.780 NTU	39.6 mV	21.20 ft	210.0 ml/min
7/29/2025 2:23 PM	30:00	5.920 pH	23.40 °C	2,116 µS/cm	0.175 mg/L	1.420 NTU	37.2 mV	21.20 ft	210.0 ml/min
7/29/2025 2:28 PM	35:00	5.914 pH	23.35 °C	2,108 µS/cm	0.157 mg/L	1.170 NTU	35.2 mV	21.20 ft	210.0 ml/min
7/29/2025 2:33 PM	40:00	5.912 pH	23.41 °C	2,107 µS/cm	0.151 mg/L	0.980 NTU	35.0 mV	21.20 ft	210.0 ml/min
7/29/2025 2:38 PM	45:00	5.910 pH	23.45 °C	2,097 µS/cm	0.131 mg/L	0.750 NTU	34.7 mV	21.20 ft	210.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/30/2025 11:52:03 AM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.38 ft** **Total Depth: 24.38 ft** **Initial Depth to Water: 20.24 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 20 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 1.92 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1149710**

Test Notes:
Sample Time: 1312
Sunny, 90s
FB-03 here at 1240

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 11:52 AM	00:00	5.238 pH	29.06 °C	84.94 µS/cm	5.823 mg/L	0.860 NTU	170.9 mV	20.24 ft	250.0 ml/min
7/30/2025 11:57 AM	05:00	5.187 pH	25.60 °C	78.93 µS/cm	6.329 mg/L	0.920 NTU	423.4 mV	20.40 ft	250.0 ml/min
7/30/2025 12:02 PM	10:00	5.218 pH	25.35 °C	86.26 µS/cm	6.187 mg/L	0.560 NTU	613.8 mV	20.40 ft	250.0 ml/min
7/30/2025 12:07 PM	15:00	5.400 pH	25.56 °C	115.4 µS/cm	5.779 mg/L	0.570 NTU	475.6 mV	20.40 ft	250.0 ml/min
7/30/2025 12:12 PM	20:00	5.512 pH	25.51 °C	170.0 µS/cm	5.379 mg/L	0.470 NTU	481.2 mV	20.40 ft	250.0 ml/min
7/30/2025 12:17 PM	25:00	5.568 pH	25.52 °C	230.2 µS/cm	5.006 mg/L	0.490 NTU	477.7 mV	20.40 ft	250.0 ml/min
7/30/2025 12:22 PM	30:00	5.600 pH	25.39 °C	283.7 µS/cm	4.630 mg/L	0.450 NTU	415.8 mV	20.40 ft	250.0 ml/min
7/30/2025 12:27 PM	35:00	5.627 pH	25.48 °C	352.7 µS/cm	4.345 mg/L	0.400 NTU	325.6 mV	20.40 ft	250.0 ml/min
7/30/2025 12:32 PM	40:00	5.634 pH	25.92 °C	419.5 µS/cm	3.945 mg/L	0.360 NTU	279.0 mV	20.40 ft	250.0 ml/min
7/30/2025 12:37 PM	45:00	5.633 pH	25.83 °C	503.5 µS/cm	3.433 mg/L	0.410 NTU	264.5 mV	20.40 ft	250.0 ml/min
7/30/2025 12:42 PM	50:00	5.691 pH	25.92 °C	590.6 µS/cm	3.250 mg/L	0.320 NTU	236.8 mV	20.40 ft	250.0 ml/min
7/30/2025 12:47 PM	55:00	5.723 pH	26.13 °C	647.3 µS/cm	3.059 mg/L	0.380 NTU	231.9 mV	20.40 ft	250.0 ml/min
7/30/2025 12:52 PM	01:00:00	5.720 pH	25.33 °C	678.1 µS/cm	3.049 mg/L	0.350 NTU	248.0 mV	20.40 ft	250.0 ml/min
7/30/2025 12:57 PM	01:05:00	5.710 pH	25.07 °C	735.5 µS/cm	2.926 mg/L	0.400 NTU	246.0 mV	20.40 ft	250.0 ml/min

7/30/2025 1:02 PM	01:10:00	5.698 pH	25.56 °C	772.6 µS/cm	2.838 mg/L	0.300 NTU	241.7 mV	20.40 ft	250.0 ml/min
7/30/2025 1:07 PM	01:15:00	5.695 pH	25.77 °C	784.4 µS/cm	2.715 mg/L	0.360 NTU	241.7 mV	20.40 ft	250.0 ml/min
7/30/2025 1:12 PM	01:20:00	5.691 pH	25.33 °C	804.3 µS/cm	2.662 mg/L	0.320 NTU	241.1 mV	20.40 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 3:09:20 PM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: GWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 14.24 ft** **Total Depth: 19.24 ft** **Initial Depth to Water: 8.29 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 6.3 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min Final Draw Down: 2.5 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1534. Cloudy 86. FB-02 here at 1525.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 3:09 PM	00:00	4.628 pH	24.39 °C	2,037 µS/cm	0.443 mg/L	3.200 NTU	24.5 mV	8.290 ft	250.0 ml/min
7/29/2025 3:14 PM	05:00	4.608 pH	24.22 °C	2,317 µS/cm	0.222 mg/L	1.730 NTU	7.0 mV	8.550 ft	250.0 ml/min
7/29/2025 3:19 PM	10:00	4.583 pH	24.21 °C	2,468 µS/cm	0.164 mg/L	1.620 NTU	-2.0 mV	8.550 ft	250.0 ml/min
7/29/2025 3:24 PM	15:00	4.579 pH	24.32 °C	2,562 µS/cm	0.139 mg/L	1.610 NTU	-9.4 mV	8.550 ft	250.0 ml/min
7/29/2025 3:29 PM	20:00	4.572 pH	24.36 °C	2,621 µS/cm	0.134 mg/L	1.100 NTU	-12.6 mV	8.550 ft	250.0 ml/min
7/29/2025 3:34 PM	25:00	4.560 pH	24.37 °C	2,668 µS/cm	0.129 mg/L	0.860 NTU	-12.8 mV	8.550 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/29/2025 3:11:21 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: MW-23D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 57.95 ft** **Total Depth: 62.95 ft** **Initial Depth to Water: 22.37 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 60 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 20.76 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:
Sample Time: 1621
Sunny, 90s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 3:11 PM	00:00	6.925 pH	26.03 °C	169.8 µS/cm	6.529 mg/L	0.450 NTU	61.3 mV	22.37 ft	200.0 ml/min
7/29/2025 3:16 PM	05:00	6.259 pH	24.13 °C	114.3 µS/cm	6.205 mg/L	0.410 NTU	81.6 mV	23.70 ft	200.0 ml/min
7/29/2025 3:21 PM	10:00	6.257 pH	24.25 °C	114.3 µS/cm	6.793 mg/L	0.620 NTU	74.5 mV	23.90 ft	200.0 ml/min
7/29/2025 3:26 PM	15:00	6.261 pH	24.31 °C	114.6 µS/cm	6.767 mg/L	0.860 NTU	121.9 mV	24.00 ft	200.0 ml/min
7/29/2025 3:31 PM	20:00	6.182 pH	24.41 °C	113.7 µS/cm		1.060 NTU	80.8 mV	24.00 ft	200.0 ml/min
7/29/2025 3:36 PM	25:00	6.155 pH	24.48 °C	113.7 µS/cm	5.393 mg/L	1.210 NTU	71.1 mV	24.10 ft	200.0 ml/min
7/29/2025 3:41 PM	30:00	6.024 pH	24.56 °C	114.6 µS/cm	2.466 mg/L	1.080 NTU	65.8 mV	24.10 ft	200.0 ml/min
7/29/2025 3:46 PM	35:00	6.000 pH	25.08 °C	114.3 µS/cm	1.772 mg/L	1.530 NTU	67.1 mV	24.10 ft	200.0 ml/min
7/29/2025 3:51 PM	40:00	5.960 pH	25.31 °C	114.0 µS/cm	1.409 mg/L	1.300 NTU	65.8 mV	24.10 ft	200.0 ml/min
7/29/2025 3:56 PM	45:00	5.940 pH	25.85 °C	113.7 µS/cm	1.199 mg/L	1.120 NTU	61.0 mV	24.10 ft	200.0 ml/min
7/29/2025 4:01 PM	50:00	5.941 pH	26.45 °C	113.2 µS/cm	1.042 mg/L	1.220 NTU	47.9 mV	24.10 ft	200.0 ml/min
7/29/2025 4:06 PM	55:00	5.936 pH	25.86 °C	115.3 µS/cm	0.982 mg/L	0.890 NTU	38.4 mV	24.10 ft	200.0 ml/min
7/29/2025 4:11 PM	01:00:00	5.931 pH	26.00 °C	122.9 µS/cm	1.143 mg/L	0.600 NTU	32.3 mV	24.10 ft	200.0 ml/min
7/29/2025 4:16 PM	01:05:00	5.904 pH	26.13 °C	126.4 µS/cm	0.413 mg/L	0.810 NTU	28.4 mV	24.10 ft	200.0 ml/min

7/29/2025 4:21 PM	01:10:00	5.902 pH	26.53 °C	122.3 µS/cm	0.306 mg/L	0.720 NTU	28.2 mV	24.10 ft	200.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 9:13:33 AM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: MW-24D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 60.19 ft** **Total Depth: 65.19 ft** **Initial Depth to Water: 22.38 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 63 ft** **Estimated Total Volume Pumped: 5.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 210 ml/min** **Final Draw Down: 32.64 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1149710**

Test Notes:
Sample Time: 0938
Sunny, 80s
FD-02 poured here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 9:13 AM	00:00	6.308 pH	25.95 °C	62.34 µS/cm	3.102 mg/L	0.780 NTU	141.7 mV	22.38 ft	210.0 ml/min
7/30/2025 9:18 AM	05:00	5.832 pH	24.92 °C	44.95 µS/cm	5.506 mg/L	1.600 NTU	84.7 mV	25.00 ft	210.0 ml/min
7/30/2025 9:23 AM	10:00	5.801 pH	24.47 °C	44.15 µS/cm	0.894 mg/L	0.480 NTU	96.5 mV	25.10 ft	210.0 ml/min
7/30/2025 9:28 AM	15:00	5.821 pH	24.47 °C	44.28 µS/cm	0.659 mg/L	0.390 NTU	91.3 mV	25.10 ft	210.0 ml/min
7/30/2025 9:33 AM	20:00	5.833 pH	24.35 °C	44.26 µS/cm	0.510 mg/L	0.600 NTU	104.2 mV	25.10 ft	210.0 ml/min
7/30/2025 9:38 AM	25:00	5.844 pH	24.51 °C	44.28 µS/cm	0.381 mg/L	0.550 NTU	99.9 mV	25.10 ft	210.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 2:40:45 PM
Project: Grumman Road Landfill
Operator Name: Taylor Goble

Location Name: MW-25D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 63.97 ft** **Total Depth: 68.97 ft** **Initial Depth to Water: 20.5 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 66 ft** **Estimated Total Volume Pumped: 5575 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 115 ml/min** **Final Draw Down: 3.19 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sampled at 1525. Cloudy 93 degrees.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/30/2025 2:40 PM	00:00	6.35 pH	35.30 °C	91.27 µS/cm	5.21 mg/L	2.23 NTU	49.1 mV	20.50 ft	125.00 ml/min
7/30/2025 2:45 PM	05:00	6.33 pH	28.60 °C	63.13 µS/cm	5.55 mg/L	2.55 NTU	167.8 mV	21.87 ft	125.00 ml/min
7/30/2025 2:50 PM	10:00	6.32 pH	29.45 °C	62.94 µS/cm	4.98 mg/L	2.76 NTU	189.4 mV	22.47 ft	125.00 ml/min
7/30/2025 2:55 PM	15:00	6.24 pH	29.42 °C	62.50 µS/cm	3.32 mg/L	1.96 NTU	197.8 mV	22.79 ft	125.00 ml/min
7/30/2025 3:00 PM	20:00	6.21 pH	28.60 °C	62.11 µS/cm	2.59 mg/L	2.24 NTU	201.2 mV	23.07 ft	125.00 ml/min
7/30/2025 3:05 PM	25:00	6.20 pH	27.84 °C	61.64 µS/cm	2.09 mg/L	2.50 NTU	203.2 mV	23.29 ft	125.00 ml/min
7/30/2025 3:10 PM	30:00	6.20 pH	27.54 °C	61.90 µS/cm	1.61 mg/L	2.34 NTU	197.1 mV	23.44 ft	125.00 ml/min
7/30/2025 3:15 PM	35:00	6.18 pH	28.60 °C	61.99 µS/cm	1.04 mg/L	2.11 NTU	186.8 mV	23.62 ft	125.00 ml/min
7/30/2025 3:20 PM	40:00	6.16 pH	27.43 °C	60.79 µS/cm	0.71 mg/L	1.94 NTU	181.7 mV	23.69 ft	115.00 ml/min
7/30/2025 3:25 PM	45:00	6.15 pH	27.59 °C	60.92 µS/cm	0.46 mg/L	1.88 NTU	174.2 mV	23.69 ft	115.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 7/29/2025 9:18:09 AM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: MW-26D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 63.95 ft** **Total Depth: 68.95 ft** **Initial Depth to Water: 19.1 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 66 ft** **Estimated Total Volume Pumped: 5.25 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 15.6 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1179236**

Test Notes:
Sample Time: 0948
Sunny, 80s

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
7/29/2025 9:18 AM	00:00	5.747 pH	26.68 °C	44.64 µS/cm	4.912 mg/L	0.930 NTU	61.0 mV	19.10 ft	175.0 ml/min
7/29/2025 9:23 AM	05:00	5.485 pH	23.93 °C	43.65 µS/cm	4.741 mg/L	0.800 NTU	72.7 mV	20.10 ft	175.0 ml/min
7/29/2025 9:28 AM	10:00	5.481 pH	23.67 °C	43.29 µS/cm	4.661 mg/L	0.570 NTU	101.6 mV	20.20 ft	175.0 ml/min
7/29/2025 9:33 AM	15:00	5.479 pH	23.68 °C	46.70 µS/cm	4.632 mg/L	2.700 NTU	75.6 mV	20.30 ft	175.0 ml/min
7/29/2025 9:38 AM	20:00	5.468 pH	23.69 °C	43.19 µS/cm	4.552 mg/L	0.610 NTU	75.1 mV	20.30 ft	175.0 ml/min
7/29/2025 9:43 AM	25:00	5.448 pH	23.64 °C	43.16 µS/cm	4.565 mg/L	0.430 NTU	76.3 mV	20.40 ft	175.0 ml/min
7/29/2025 9:48 AM	30:00	5.424 pH	23.57 °C	43.14 µS/cm	4.439 mg/L	0.510 NTU	76.9 mV	20.40 ft	175.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/30/2025 4:53:23 PM
Project: Grumman Road Landfill
Operator Name: Hunter Auld

Location Name: Clifton Seep	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 1179236

Test Notes:
Sample time 1655. Partly cloudy 94.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5
7/30/2025 4:53 PM	00:00	7.253 pH	30.64 °C	4,486 µS/cm	9.881 mg/L	12.60 NTU	-17.2 mV	
7/30/2025 4:55 PM	02:00	7.254 pH	30.79 °C	4,449 µS/cm	9.896 mg/L	12.60 NTU	5.7 mV	

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Plant Kraft

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Grumman Rd. Date: 7-28-25

Calibrated By: HA Field Conditions: p. cloudy, 100°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	1183974	AquaTroll 500
Turbidity Meter	HACH 2100Q	11090C011235

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	4GE0127	05/26	Pine
pH (SU)	7.00	4GD1667	04/26	Pine
pH (SU)	10.00	4GC0000	03/26	Pine
Specific Conductance (µS/cm)	1,413	5GA0308	01/26	Pine
ORP (mV)	240.0	4GL0404	04/25	Pine

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	—
	10	A5083	06/26	~~HACH~~ Aqr
	20	A5092	07/26	↓
	100	A5081	06/26	↓

Calibration

Time Start: 1300 Time Finish: 1330

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100%	35.0	± 10%	EPA 2023
pH (SU)	4.00	4.02	33.2	± 0.1	GWMP
pH (SU)	7.00	6.99	31.8	± 0.1	GWMP
pH (SU)	10.00	9.95	31.0	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	32.3	± 10% of standard	NA
ORP (mV)	240.0	240	32.9	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.2	± 10% of standard	EPA 2023
	10	9.97		
	20	19.9		
	100	101		

Calibration Check

Time Start Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP
Specific Conductance (µS/cm)	1,413			± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0		± 10% of standard	EPA 2023
	10			
	20			
	100			

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman Rd. LF Date: 7-29-25

Calibrated By: HA Field Conditions: clear, 90s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquaread 500	11839740
Turbidity Meter	HACH 2100Q	11090C012353

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	~	~	
pH (SU)	4.00	4GE0127	05/26	Pine
pH (SU)	7.00	4GD1667	04/26	↓
pH (SU)	10.00	4GC0600	03/26	↓
Specific Conductance (µS/cm)	1,413	5GA0308	01/26	↓
ORP (mV)	240.0	4GL0404	09/25	↓

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	~	~	
	10	A5083	06/26	AZR
	20	A5092	07/26	↓
	100	A5081	06/26	↓

Calibration					
Time Start: 0715		**Time Finish:** 0745			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100%	25.7	± 10%	EPA 2023
pH (SU)	4.00	4.00	27.0	± 0.1	GWMP
pH (SU)	7.00	7.00	26.9	± 0.1	GWMP
pH (SU)	10.00	10.00	27.1	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	26.8	± 10% of standard	NA
ORP (mV)	240.0	240	26.8	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.2	± 10% of standard	EPA 2023
	10	10.0		
	20	20.4		
	100	100		

Calibration Check					
Time Start 1320		**Time Finish** 1330			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.08	28.2	± 0.1	GWMP
pH (SU)	7.00	6.97	27.6	± 0.1	GWMP
pH (SU)	10.00	10.04	27.9	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1403	29.1	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.3	± 10% of standard	EPA 2023
	10	9.8		
	20	20.2		
	100	103		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman Rd. LF Date: 7-30-25

Calibrated By: H. Auld Field Conditions: cloudy, 80s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183974
Turbidity Meter	HACH 2100Q	11090C012353

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	—	—	
pH (SU)	4.00	4GE0127	05/26	Pine
pH (SU)	7.00	4GD1667	04/26	↓
pH (SU)	10.00	4GC0600	03/26	↓
Specific Conductance (µS/cm)	1,413	5GA0308	01/26	↓
ORP (mV)	240.0	4GL0404	09/25	↓

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	
	10	A5083	06/26	AIR
	20	A5092	07/26	↓
	100	A5081	06/26	↓

Calibration

Time Start: 0740 Time Finish: 0815

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100%	25.9	± 10%	EPA 2023
pH (SU)	4.00	4.00	26.9	± 0.1	GWMP
pH (SU)	7.00	7.00	27.01	± 0.1	GWMP
pH (SU)	10.00	10.00	27.1	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	27.0	± 10% of standard	NA
ORP (mV)	240.0	240	26.7	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.1	± 10% of standard	EPA 2023
	10	9.93		
	20	20.01		
	100	98		

Calibration Check

Time Start 1245 Time Finish 1255

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.01	30.7	± 0.1	GWMP
pH (SU)	7.00	6.99	31.4	± 0.1	GWMP
pH (SU)	10.00	9.95	30.4	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	30.6	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.1	± 10% of standard	EPA 2023
	10	10.0		
	20	20.2		
	100	100		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Grumman Rd Date: 07-28-25

Calibrated By: J. May Field Conditions: Sunny, 90s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1179236
Turbidity Meter	Hach 2100Q	20100000426

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	01/2027	PINE
pH (SU)	7.00	5GA0863	01/2027	PINE
pH (SU)	10.00	5GA0867	01/2027	PINE
Specific Conductance (µS/cm)	1,413	5GA0907	01/2026	PINE
ORP (mV)	240.0	5GC1152	12/2025	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	Hach
	20	A5092	07/26	Hach
	100	A5081	06/26	Hach

Calibration					
Time Start: 1340		**Time Finish:** 1400			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.1	32.13	± 10%	EPA 2023
pH (SU)	4.00	4.02	32.55	± 0.1	GWMP
pH (SU)	7.00	6.98	32.97	± 0.1	GWMP
pH (SU)	10.00	9.91	33.16	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1412	32.86	± 10% of standard	NA
ORP (mV)	240.0	239.7	32.92	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.09	± 10% of standard	EPA 2023
	10	10.1		
	20	21.0		
	100	103		

Calibration Check					
Time Start		**Time Finish**			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP
Specific Conductance (µS/cm)	1,413			± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0		± 10% of standard	EPA 2023
	10			
	20			
	100			

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Grumman Rd

Date: 07-29-25

Calibrated By: J. May

Field Conditions: Sunny, 80s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	1179236
Turbidity Meter	Hach 2100Q	24010D000426

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	01/2027	PINE
pH (SU)	7.00	5GA0863	01/2027	PINE
pH (SU)	10.00	5GA0867	01/2027	PINE
Specific Conductance (µS/cm)	1,413	5GA0907	01/2026	PINE
ORP (mV)	240.0	5GC1152	12/2025	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	Hach
	20	A5092	07/26	Hach
	100	A5081	06/26	Hach

Calibration					
Time Start: 0715		**Time Finish:** 0730			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	25.03	± 10%	EPA 2023
pH (SU)	4.00	4.00	25.67	± 0.1	GWMP
pH (SU)	7.00	7.00	26.06	± 0.1	GWMP
pH (SU)	10.00	10.00	25.90	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1414	26.12	± 10% of standard	NA
ORP (mV)	240.0	242.1	26.12	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.24	± 10% of standard	EPA 2023
	10	10.2		
	20	20.1		
	100	102		

Calibration Check					
Time Start 1225		**Time Finish** 1230			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.01	30.54	± 0.1	GWMP
pH (SU)	7.00	6.99	30.05	± 0.1	GWMP
pH (SU)	10.00	9.95	30.53	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1410	29.91	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.15	± 10% of standard	EPA 2023
	10	10.1		
	20	19.8		
	100	101		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Grumman Rd Date: 07-30-25

Calibrated By: J. May Field Conditions: Sunny, 80s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	~~1179236~~ 1149710
Turbidity Meter	Hach 2100Q	24010D000426

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	01/2027	PINE
pH (SU)	7.00	5GA0863	01/2027	PINE
pH (SU)	10.00	5GA0867	01/2027	PINE
Specific Conductance (µS/cm)	1,413	5GA0907	01/2026	PINE
ORP (mV)	240.0	5GC1152	12/2025	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	06/26	Hach
	20	A5092	07/26	Hach
	100	A5081	06/26	Hach

Calibration

Time Start: 0730 **Time Finish:** 0750

Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**	
D.O. (%)	N/A	99.66	25.49	(JM) ± 10%	EPA 2023	100.0, 27.20
pH (SU)	4.00	4.00	26.72	± 0.1	GWMP	4.00, 27.34
pH (SU)	7.00	7.00	26.92	± 0.1	GWMP	7.00, 27.31
pH (SU)	10.00	10.00	26.74	± 0.1	GWMP	10.00, 27.39
Specific Conductance (µS/cm)	1,413	1401	27.31	± 10% of standard	NA	1410, 27.43
ORP (mV)	240.0	237.3	27.25	± 10	EPA 2023	239.7, 27.44

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.08	± 10% of standard	EPA 2023
	10	10.1		
	20	21.2		
	100	102		

Calibration Check

Time Start 1355 **Time Finish** 1405

Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.02	34.02	± 0.1	GWMP
pH (SU)	7.00	6.98	32.87	± 0.1	GWMP
pH (SU)	10.00	9.91	33.63	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1390	32.90	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.20	± 10% of standard	EPA 2023
	10	10.2		
	20	21.0		
	100	101		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: McIntosh LF3/Grumman Date: 7/30/25

Calibrated By: C. Klumpe Field Conditions: Cloudy, 78°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aquatroll 500	1183990
Turbidity Meter	Hach 2100a	240100000439

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	5GA0465	1/27	Pine
pH (SU)	7.00	4GL1064	12/26	Pine
pH (SU)	10.00	4GG1192	7/26	Pine
Specific Conductance (µS/cm)	1,413	5GA0308	1/26	Pine
ORP (mV)	240.0	5GE0627	2/26	Pine

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	NEW DI	—	—
	10	A4172	9/25	HACH
	20	A4183	10/25	HACH
	100	A4179	10/25	HACH

Calibration					
Time Start: 0750		**Time Finish:** 0815			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	102.5	25.98	± 10%	EPA 2023
pH (SU)	4.00	4.00	26.40	± 0.1	GWMP
pH (SU)	7.00	7.00	26.53	± 0.1	GWMP
pH (SU)	10.00	10.00	26.33	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	26.45	± 10% of standard	NA
ORP (mV)	240.0	227.4	26.29	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.16	± 10% of standard	EPA 2023
	10	10.4		
	20	20.4		
	100	100		

Calibration Check					
Time Start 1454		**Time Finish** 1506			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	3.99	30.26	± 0.1	GWMP
pH (SU)	7.00	7.00	29.72	± 0.1	GWMP
pH (SU)	10.00	9.96	29.70	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1438	29.65	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.13	± 10% of standard	EPA 2023
	10	10.3		
	20	20.4		
	100	99.9		

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: McIntosh LF3/Grumman Date: 7-30-2025

Calibrated By: T. Goble Field Conditions: Cloudy 78°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1235093
Turbidity Meter	HACH 2000Q	220800007805

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	~~5GA0405~~	—	Sonde
pH (SU)	4.00	~~4GL1064~~	5GA0405/1/27	PENE
pH (SU)	7.00	4GG1192	4GL1064/12/26	|
pH (SU)	10.00	~~5GA0305~~	4GG1192/7/26	|
Specific Conductance (µS/cm)	1,413	5GA0305	1/26	|
ORP (mV)	240.0	5GE0627	2/26	|

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	—	—	New DI
	10	A4172	9/25	PENE
	20	A4183	10/25	|
	100	A4179	10/25	|

Calibration					
Time Start: 0750		Time Finish: 0810			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.86	26.63	± 10%	EPA 2023
pH (SU)	4.00	4.00	27.10	± 0.1	GWMP
pH (SU)	7.00	7.00	26.70	± 0.1	GWMP
pH (SU)	10.00	10.00	26.72	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1455	26.55	± 10% of standard	NA
ORP (mV)	240.0	226.3	26.92	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.35	± 10% of standard	EPA 2023
	10	10.2		
	20	21.3		
	100	108		

Calibration Check					
Time Start 1315		Time Finish 1330			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.03	29.12	± 0.1	GWMP
pH (SU)	7.00	7.06	28.77	± 0.1	GWMP
pH (SU)	10.00	10.06	28.61	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1427	28.53	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.21	± 10% of standard	EPA 2023
	10	10.1		
	20	20.3		
	100	102		

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill

Date: 7/28/2025

Permit Number: 025-061D(LI)

Field Conditions: Partly Cloudy

	Location/Identification			
Well ID:	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)
GWC-1	YES	YES	NO	YES
GWC-2	YES	YES	NO	YES
GWB-4R	YES	YES	NO	YES
GWB-5R	YES	YES	NO	YES
GWB-6R	YES	YES	NO	YES
GWA-7	YES	YES	NO	YES
GWA-8	YES	YES	NO	YES
GWC-9	YES	YES	NO	YES
GWC-10	YES	YES	NO	YES
GWC-11	YES	YES	NO	YES
GWC-12	YES	YES	NO	YES
GWC-13	YES	YES	NO	YES
GWC-14	YES	YES	NO	YES
GWC-15	YES	YES	NO	YES
GWC-16	YES	YES	NO	YES
GWC-17	YES	YES	NO	YES
GWC-20	YES	YES	NO	YES
GWC-21	YES	YES	NO	YES
GWC-22	YES	YES	NO	YES
MW-23D	YES	YES	NO	YES
MW-24D	YES	YES	NO	YES
MW-25D	YES	YES	NO	YES
MW-26D	YES	YES	NO	YES
MW-27D	YES	YES	NO	YES

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill

Date: 7/28/2025

Permit Number: 025-061D(LI)

Field Conditions: Partly Cloudy

	Protective Casing				
Well ID:	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
GWC-1	YES	YES	YES	YES	YES
GWC-2	YES	YES	YES	YES	YES
GWB-4R	YES	YES	YES	YES	YES
GWB-5R	YES	YES	YES	YES	YES
GWB-6R	YES	YES	YES	YES	YES
GWA-7	YES	YES	YES	YES	YES
GWA-8	YES	YES	YES	YES	YES
GWC-9	YES	YES	YES	YES	YES
GWC-10	YES	YES	YES	YES	YES
GWC-11	YES	YES	YES	YES	YES
GWC-12	YES	YES	YES	YES	YES
GWC-13	YES	YES	YES	YES	YES
GWC-14	YES	YES	YES	YES	YES
GWC-15	YES	YES	YES	YES	YES
GWC-16	YES	YES	YES	YES	YES
GWC-17	YES	YES	YES	YES	YES
GWC-20	YES	YES	YES	YES	YES
GWC-21	YES	YES	YES	YES	YES
GWC-22	YES	YES	YES	YES	YES
MW-23D	YES	YES	YES	YES	YES
MW-24D	YES	YES	YES	YES	YES
MW-25D	YES	YES	YES	YES	YES
MW-26D	YES	YES	YES	YES	YES
MW-27D	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill

Date: 7/28/2025

Permit Number: 025-061D(LI)

Field Conditions: Partly Cloudy

	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
GWC-1	YES	YES	YES	YES	YES	YES
GWC-2	YES	YES	YES	YES	YES	YES
GWB-4R	YES	YES	YES	YES	YES	YES
GWB-5R	YES	YES	YES	YES	YES	YES
GWB-6R	YES	YES	YES	YES	YES	YES
GWA-7	YES	YES	YES	YES	YES	YES
GWA-8	YES	YES	YES	YES	YES	YES
GWC-9	YES	YES	YES	YES	YES	YES
GWC-10	YES	YES	YES	YES	YES	YES
GWC-11	YES	YES	YES	YES	YES	YES
GWC-12	YES	YES	YES	YES	YES	YES
GWC-13	YES	YES	YES	YES	YES	YES
GWC-14	YES	YES	YES	YES	YES	YES
GWC-15	YES	YES	YES	YES	YES	YES
GWC-16	YES	YES	YES	YES	YES	YES
GWC-17	YES	YES	YES	YES	YES	YES
GWC-20	YES	YES	YES	YES	YES	YES
GWC-21	YES	YES	YES	YES	YES	YES
GWC-22	YES	YES	YES	YES	YES	YES
MW-23D	YES	YES	YES	YES	YES	YES
MW-24D	YES	YES	YES	YES	YES	YES
MW-25D	YES	YES	YES	YES	YES	YES
MW-26D	YES	YES	YES	YES	YES	YES
MW-27D	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill

Date: 7/28/2025

Permit Number: 025-061D(LI)

Field Conditions: Partly Cloudy

Well ID:	Corrective actions as needed, by date:
GWC-1	
GWC-2	
GWB-4R	
GWB-5R	
GWB-6R	
GWA-7	
GWA-8	
GWC-9	
GWC-10	
GWC-11	
GWC-12	
GWC-13	September 18, 2025 - Grout was placed below and around well pad to stabilize.
GWC-14	
GWC-15	
GWC-16	
GWC-17	
GWC-20	
GWC-21	
GWC-22	
MW-23D	
MW-24D	
MW-25D	
MW-26D	
MW-27D	

ATLANTIC COAST CONSULTING, INC.

A solid approach
for a cleaner environment.

Memorandum

To:	Chris Tidwell – Southern Company Services
From:	Atlantic Coast Consulting, Inc.
Date	January 8, 2026
Subject:	Grumman Road Private Industrial Landfill – Well Maintenance and Repair Documentation, Georgia Power Company

Atlantic Coast Consulting, Inc. (ACC) has prepared this memorandum to provide documentation of any groundwater monitoring well maintenance and/or repairs performed at Grumman Road Private Industrial Landfill during the July 2025 Semiannual Groundwater Monitoring reporting period. All repairs and maintenance are documented as completed in accordance with the Georgia Environmental Protection Division's guidance on routine visual inspections of groundwater monitoring wells.

On September 18, 2025, Southern Company Civil Field Services placed grout below and around the well pad to stabilize the well pad for GWC-13. No other repairs or well maintenance were necessary during the reporting period.

Southern Company CFS
Grumman Rd. LF Sept. 2025 Well O&M (Sept. 18th)

Grumman Rd. LF:

GWC-13 – Grout was place below the pad and around the pad to stabilize.







Southern Company

APPENDIX B

Laboratory Analytical and Field Sampling Reports
January 2026 Monitoring Event

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 11, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761702

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 28, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761702001	KRA-GWA-7	Ground Water	01/27/26 10:20	01/28/26 11:08
761702002	KRA-GWC-20	Ground Water	01/27/26 13:20	01/28/26 11:08
761702003	KRA-GWC-1	Ground Water	01/27/26 13:42	01/28/26 11:08
761702004	KRA-MW-25D	Ground Water	01/27/26 14:10	01/28/26 11:08
761702005	KRA-GWA-8	Ground Water	01/27/26 11:00	01/28/26 11:08
761702006	KRA-GWB-4R	Ground Water	01/27/26 15:51	01/28/26 11:08
761702007	KRA-GWC-11	Ground Water	01/27/26 14:45	01/28/26 11:08
761702008	KRA-GWC-15	Ground Water	01/27/26 16:13	01/28/26 11:08
761702009	KRA-GRL-FB-01	Water	01/27/26 15:40	01/28/26 11:08
761702010	KRA-GRL-EB-04	Water	01/27/26 16:45	01/28/26 11:08
761702011	KRA-GRL-FD-01	Ground Water	01/27/26 12:00	01/28/26 11:08

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

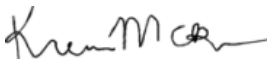
Method	Run Date ID
SW846 3005A	29-JAN-2026
SW846 7470A Prep	29-JAN-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	28-JAN-2026
EPA 300.0	29-JAN-2026
SM 2540C	29-JAN-2026
SW846 3005A/6020B	03-FEB-2026
SW846 3005A/6020B	04-FEB-2026
SW846 7470A	30-JAN-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761702 GEL Work Order: 761702

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N Metals--The Matrix spike sample recovery is not within specified control limits

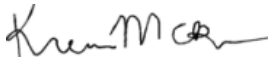
N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	761702001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 10:20		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0628	0.0330	0.100	mg/L		1	CH6	01/28/26	1525	2935804	1
Sulfate		5.60	0.133	0.400	mg/L		1					
Chloride		74.3	0.670	2.00	mg/L		10	CH6	01/28/26	2308	2935804	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1128	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2139	2936153	4
Arsenic		0.00502	0.00200	0.00500	mg/L	1.00	1					
Barium		0.221	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		3.92	0.0800	0.200	mg/L	1.00	1					
Chromium		0.0173	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00175	0.000300	0.00100	mg/L	1.00	1					
Lead		0.00245	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000715	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.0102	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		10.4	1.04	3.00	mg/L	1.00	200	RM4	02/03/26	1229	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0207	2936153	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium		0.138	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.00820	0.00330	0.0200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1720	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	761702001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	761702002	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 13:20		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		22.2	0.335	1.00	mg/L		5	CH6	01/28/26	1658	2935804	1
Fluoride	U	ND	0.165	0.500	mg/L		5					
Sulfate		1190	13.3	40.0	mg/L		100	CH6	01/29/26	0142	2935804	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1130	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2159	2936153	4
Arsenic		0.288	0.00200	0.00500	mg/L	1.00	1					
Barium		0.301	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.748	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		15.1	1.04	3.00	mg/L	1.00	200	RM4	02/03/26	1241	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0227	2936153	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	J	0.00512	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Calcium		285	0.800	2.00	mg/L	1.00	10	RM4	02/03/26	2100	2936153	7
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1	RM4	02/04/26	0825	2936153	8
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		2140	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	761702002	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-1	Project:	GPCC00125
Sample ID:	761702003	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 13:42		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.71	0.0670	0.200	mg/L		1	CH6	01/28/26	1728	2935804	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		33.0	0.266	0.800	mg/L		2	CH6	01/29/26	0213	2935804	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1131	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2202	2936153	4
Arsenic		0.00776	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0560	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.0376	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.564	0.0520	0.150	mg/L	1.00	10	RM4	02/03/26	1243	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0230	2936153	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	J	0.00517	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Calcium		59.6	0.800	2.00	mg/L	1.00	10	RM4	02/03/26	2103	2936153	7
Selenium	J	0.00197	0.00150	0.00500	mg/L	1.00	1	RM4	02/04/26	0827	2936153	8
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		271	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151

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Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-1	Project:	GPCC00125
Sample ID:	761702003	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-25D	Project:	GPCC00125
Sample ID:	761702004	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 14:10		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.82	0.0670	0.200	mg/L		1	CH6	01/28/26	1901	2935804	1
Fluoride		0.155	0.0330	0.100	mg/L		1					
Sulfate	J	0.309	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1133	2936115	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2205	2936153	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0243	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		3.41	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000208	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.0177	0.00520	0.0150	mg/L	1.00	1	RM4	02/03/26	1259	2936153	4
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0233	2936153	5
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.00556	0.00330	0.0200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		39.0	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-25D	Project:	GPCC00125
Sample ID:	761702004	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-8	Project:	GPCC00125
Sample ID:	761702005	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 11:00		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0831	0.0330	0.100	mg/L		1	CH6	01/28/26	1932	2935804	1
Chloride		17.0	0.670	2.00	mg/L		10	CH6	01/29/26	0244	2935804	2
Sulfate		85.0	1.33	4.00	mg/L		10					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1135	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2208	2936153	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0524	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		17.9	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000367	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.358	0.0520	0.150	mg/L	1.00	10	RM4	02/03/26	1247	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0236	2936153	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		194	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-8	Project:	GPCC00125
Sample ID:	761702005	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-4R	Project:	GPCC00125
Sample ID:	761702006	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 15:51		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	01/28/26	2003	2935804	1
Chloride		101	3.35	10.0	mg/L		50	CH6	01/29/26	0315	2935804	2
Sulfate		657	6.65	20.0	mg/L		50					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1136	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2211	2936153	4
Arsenic		0.00618	0.00200	0.00500	mg/L	1.00	1					
Barium		0.136	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00560	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0111	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.159	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.00534	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		4.23	0.260	0.750	mg/L	1.00	50	RM4	02/03/26	1248	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0239	2936153	6
Lithium		0.0216	0.00300	0.0100	mg/L	1.00	1					
Vanadium	J	0.0198	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Calcium		170	4.00	10.0	mg/L	1.00	50	RM4	02/03/26	2113	2936153	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1770	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-4R	Project:	GPCC00125
Sample ID:	761702006	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-11	Project:	GPCC00125
Sample ID:	761702007	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 14:45		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	01/28/26	2034	2935804	1
Chloride		98.3	3.35	10.0	mg/L		50	CH6	01/29/26	0346	2935804	2
Sulfate		882	6.65	20.0	mg/L		50					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1138	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2214	2936153	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.137	0.000670	0.00400	mg/L	1.00	1					
Cadmium	J	0.000573	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000904	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	J	0.000614	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00324	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		3.91	0.260	0.750	mg/L	1.00	50	RM4	02/03/26	1250	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0242	2936153	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Calcium		161	4.00	10.0	mg/L	1.00	50	RM4	02/03/26	2117	2936153	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1540	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-11	Project:	GPCC00125
Sample ID:	761702007	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-15	Project:	GPCC00125
Sample ID:	761702008	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 16:13		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.81	0.0670	0.200	mg/L		1	CH6	01/28/26	2104	2935804	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		84.9	0.665	2.00	mg/L		5	CH6	01/29/26	0417	2935804	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1143	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2217	2936153	4
Arsenic		0.235	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0775	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.0689	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00372	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.783	0.0520	0.150	mg/L	1.00	10	RM4	02/03/26	1252	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0245	2936153	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	J	0.00432	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Calcium		176	0.800	2.00	mg/L	1.00	10	RM4	02/03/26	2120	2936153	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		604	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-15	Project:	GPCC00125
Sample ID:	761702008	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-01	Project:	GPCC00125
Sample ID:	761702009	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	27-JAN-26 15:40		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	01/28/26	2135	2935804	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1144	2936115	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2219	2936153	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	RM4	02/03/26	1226	2936153	4
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0248	2936153	5
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-01	Project:	GPCC00125
Sample ID:	761702009	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-04	Project:	GPCC00125
Sample ID:	761702010	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	27-JAN-26 16:45		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	01/28/26	2206	2935804	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1146	2936115	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2222	2936153	3
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	RM4	02/03/26	1227	2936153	4
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0251	2936153	5
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-04	Project:	GPCC00125
Sample ID:	761702010	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-01	Project:	GPCC00125
Sample ID:	761702011	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 12:00		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.76	0.0670	0.200	mg/L		1	CH6	01/28/26	2237	2935804	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		35.4	6.65	20.0	mg/L		50	CH6	01/29/26	0447	2935804	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1148	2936115	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	2225	2936153	4
Arsenic		0.00729	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0550	0.000670	0.00400	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Molybdenum		0.0364	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00204	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Boron		0.548	0.0520	0.150	mg/L	1.00	10	RM4	02/03/26	1254	2936153	5
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1	RM4	02/03/26	0254	2936153	6
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Vanadium	J	0.00489	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Calcium		59.9	0.800	2.00	mg/L	1.00	10	RM4	02/03/26	2123	2936153	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		270	2.38	10.0	mg/L			SC1	01/29/26	1438	2935964	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2936151

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Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-01	Project:	GPCC00125
Sample ID:	761702011	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: February 11, 2026

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761702**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2935804												
QC1206363840 761702001 DUP												
Chloride			74.3		75.2	mg/L	1.12			(0%-20%)	CH6	01/28/26 23:39
Fluoride		J	0.0628	J	0.0574	mg/L	8.99	^		(+/-0.100)		01/28/26 15:56
Sulfate			5.60		5.56	mg/L	0.602			(0%-20%)		
QC1206363839 LCS												
Chloride	5.00				4.57	mg/L			91.4	(90%-110%)		01/28/26 09:58
Fluoride	2.50				2.35	mg/L			94.1	(90%-110%)		
Sulfate	10.0				9.55	mg/L			95.5	(90%-110%)		
QC1206363838 MB												
Chloride				U	ND	mg/L						01/28/26 09:28
Fluoride				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1206363841 761702001 MS												
Chloride	50.0		74.3		127	mg/L			106	(90%-110%)		01/29/26 01:11
Fluoride	2.50	J	0.0628		2.34	mg/L			91	(90%-110%)		01/28/26 16:27
Sulfate	10.0		5.60		15.5	mg/L			98.7	(90%-110%)		

QC Summary

Workorder: **761702**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936153										
QC1206364333 LCS										
Antimony	0.0500			0.0507	mg/L		101	(80%-120%)	RM4	02/03/26 20:37
Arsenic	0.0500			0.0520	mg/L		104	(80%-120%)		
Barium	0.0500			0.0520	mg/L		104	(80%-120%)		
Beryllium	0.0500			0.0556	mg/L		111	(80%-120%)		02/03/26 02:04
Boron	0.100			0.112	mg/L		112	(80%-120%)		02/03/26 12:24
Cadmium	0.0500			0.0526	mg/L		105	(80%-120%)		02/03/26 20:37
Calcium	2.00			2.27	mg/L		113	(80%-120%)		
Chromium	0.0500			0.0529	mg/L		106	(80%-120%)		
Cobalt	0.0500			0.0524	mg/L		105	(80%-120%)		
Lead	0.0500			0.0540	mg/L		108	(80%-120%)		
Lithium	0.0500			0.0516	mg/L		103	(80%-120%)		02/03/26 02:04
Molybdenum	0.0500			0.0528	mg/L		106	(80%-120%)		02/03/26 20:37
Selenium	0.0500			0.0525	mg/L		105	(80%-120%)		
Thallium	0.0500			0.0519	mg/L		104	(80%-120%)		

QC Summary

Workorder: **761702**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936153										
Vanadium	0.0500			0.0493	mg/L		98.6	(80%-120%)	RM4	02/03/26 02:04
Zinc	0.0500			0.0529	mg/L		106	(80%-120%)		
QC1206364332 MB										
Antimony			U	ND	mg/L					02/03/26 20:34
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					02/03/26 02:01
Boron			U	ND	mg/L					02/03/26 12:22
Cadmium			U	ND	mg/L					02/03/26 20:34
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					02/03/26 02:01
Molybdenum			U	ND	mg/L					02/03/26 20:34

QC Summary

Workorder: **761702**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936153											
Selenium				U	ND	mg/L				RM4	02/03/26 20:34
Thallium				U	ND	mg/L					
Vanadium				U	ND	mg/L					02/03/26 02:01
Zinc				U	ND	mg/L					
QC1206364334 761702001 MS											
Antimony	0.0500	U	ND		0.0515	mg/L		102	(75%-125%)		02/03/26 21:41
Arsenic	0.0500		0.00502		0.0588	mg/L		108	(75%-125%)		
Barium	0.0500		0.221		0.277	mg/L		N/A	(75%-125%)		
Beryllium	0.0500	U	ND		0.0500	mg/L		99.6	(75%-125%)		02/03/26 02:10
Boron	0.100		10.4		11.0	mg/L		N/A	(75%-125%)		02/03/26 12:31
Cadmium	0.0500	U	ND		0.0484	mg/L		96.6	(75%-125%)		02/03/26 21:41
Calcium	2.00		3.92		6.10	mg/L		109	(75%-125%)		
Chromium	0.0500		0.0173		0.0678	mg/L		101	(75%-125%)		
Cobalt	0.0500		0.00175		0.0500	mg/L		96.5	(75%-125%)		
Lead	0.0500		0.00245		0.0504	mg/L		95.8	(75%-125%)		

QC Summary

Workorder: **761702**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936153											
Lithium	0.0500	U	ND		0.0513	mg/L		101	(75%-125%)	RM4	02/03/26 02:10
Molybdenum	0.0500	J	0.000715		0.0594	mg/L		117	(75%-125%)		02/03/26 21:41
Selenium	0.0500		0.0102		0.0604	mg/L		101	(75%-125%)		
Thallium	0.0500	U	ND		0.0478	mg/L		95.4	(75%-125%)		
Vanadium	0.0500		0.138		0.188	mg/L		99.9	(75%-125%)		02/03/26 02:10
Zinc	0.0500	J	0.00820		0.0566	mg/L		96.7	(75%-125%)		
QC1206364335 761702001 MSD											
Antimony	0.0500	U	ND		0.0516	mg/L	0.132	102	(0%-20%)		02/03/26 21:44
Arsenic	0.0500		0.00502		0.0569	mg/L	3.25	104	(0%-20%)		
Barium	0.0500		0.221		0.274	mg/L	1.33	N/A	(0%-20%)		
Beryllium	0.0500	U	ND		0.0482	mg/L	3.66	96	(0%-20%)		02/03/26 02:13
Boron	0.100		10.4		10.7	mg/L	2.53	N/A	(0%-20%)		02/03/26 12:33
Cadmium	0.0500	U	ND		0.0473	mg/L	2.33	94.4	(0%-20%)		02/03/26 21:44
Calcium	2.00		3.92		6.15	mg/L	0.801	112	(0%-20%)		
Chromium	0.0500		0.0173		0.0677	mg/L	0.211	101	(0%-20%)		

QC Summary

Workorder: **761702**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936153											
Cobalt	0.0500		0.00175		0.0490	mg/L	1.91	94.6	(0%-20%)	RM4	02/03/26 21:44
Lead	0.0500		0.00245		0.0490	mg/L	2.77	93.1	(0%-20%)		
Lithium	0.0500	U	ND		0.0492	mg/L	4.08	96.4	(0%-20%)		02/03/26 02:13
Molybdenum	0.0500	J	0.000715		0.0597	mg/L	0.524	118	(0%-20%)		02/03/26 21:44
Selenium	0.0500		0.0102		0.0577	mg/L	4.58	95.1	(0%-20%)		
Thallium	0.0500	U	ND		0.0466	mg/L	2.59	93	(0%-20%)		
Vanadium	0.0500		0.138		0.189	mg/L	0.481	102	(0%-20%)		02/03/26 02:13
Zinc	0.0500	J	0.00820		0.0543	mg/L	4.16	92.1	(0%-20%)		
QC1206364337 761702001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/03/26 21:50
Arsenic			5.02	U	ND	ug/L	N/A		(0%-20%)		
Barium			221		43.4	ug/L	1.97		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/03/26 02:18
Boron			51.9	J	11.4	ug/L	9.83		(0%-20%)		02/03/26 12:36
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/03/26 21:50

QC Summary

Workorder: **761702**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936153										
Calcium		3920		784	ug/L	.0555		(0%-20%)	RM4	02/03/26 21:50
Chromium		17.3	J	3.57	ug/L	3.5		(0%-20%)		
Cobalt		1.75	J	0.357	ug/L	2.18		(0%-20%)		
Lead		2.45	J	0.521	ug/L	6.37		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/03/26 02:18
Molybdenum	J	0.715	U	ND	ug/L	N/A		(0%-20%)		02/03/26 21:50
Selenium		10.2	J	2.20	ug/L	8.04		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Vanadium		138		27.8	ug/L	.489		(0%-20%)		02/03/26 02:18
Zinc	J	8.20	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2936115										
QC1206364263 761697001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	01/30/26 11:23
QC1206364262 LCS										
Mercury	0.00200			0.00207	mg/L		103	(80%-120%)		01/30/26 11:17
QC1206364261 MB										
Mercury			U	ND	mg/L					01/30/26 11:15

QC Summary

Workorder: **761702**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-Mercury											
Batch 2936115											
QC1206364264 761697001 MS											
Mercury	0.00200	U	ND		0.00142	mg/L		70.2*	(75%-125%)	JP2	01/30/26 11:25
QC1206364265 761697001 PS											
Mercury	2.00	U	ND		1.47	ug/L		73*	(80%-120%)		01/30/26 11:27
Solids Analysis											
Batch 2935964											
QC1206364044 761702005 DUP											
Total Dissolved Solids			194		192	mg/L	1.04		(0%-5%)	SC1	01/29/26 14:38
QC1206364042 LCS											
Total Dissolved Solids	300				301	mg/L		100	(95%-105%)		01/29/26 14:38
QC1206364041 MB											
Total Dissolved Solids				U	ND	mg/L					01/29/26 14:38

Notes:

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J J Value is estimated

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2936153

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2936151

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761702001	KRA-GWA-7
761702002	KRA-GWC-20
761702003	KRA-GWC-1
761702004	KRA-MW-25D
761702005	KRA-GWA-8
761702006	KRA-GWB-4R
761702007	KRA-GWC-11
761702008	KRA-GWC-15
761702009	KRA-GRL-FB-01
761702010	KRA-GRL-EB-04
761702011	KRA-GRL-FD-01
1206364332	Method Blank (MB)**ICP-MS Batch 2936153**
1206364333	Laboratory Control Sample (LCS)
1206364337	761702001(KRA-GWA-7L) Serial Dilution (SD)
1206364334	761702001(KRA-GWA-7S) Matrix Spike (MS)
1206364335	761702001(KRA-GWA-7SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

CRDL/PQL Requirements
The CRDL standard recoveries for SW846 6020B met the advisory control limits with the exception of beryllium and calcium. Client sample concentrations were less than the MDL and greater than two times the CRDL; therefore the data were not adversely affected.

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 761702001 (KRA-GWA-7), 761702002 (KRA-GWC-20), 761702003 (KRA-GWC-1), 761702005 (KRA-GWA-8), 761702006 (KRA-GWB-4R), 761702007 (KRA-GWC-11), 761702008 (KRA-GWC-15) and 761702011 (KRA-GRL-FD-01) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	761702							
	001	**002**	**003**	**005**	**006**	**007**	**008**	**011**
Boron	200X	200X	10X	10X	50X	50X	10X	10X
Calcium		10X	10X		50X	50X	10X	10X
Magnesium		10X			50X	50X		
Sodium	40X	10X			50X	50X		

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2936115

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2936114

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761702001	KRA-GWA-7
761702002	KRA-GWC-20
761702003	KRA-GWC-1
761702004	KRA-MW-25D
761702005	KRA-GWA-8
761702006	KRA-GWB-4R
761702007	KRA-GWC-11
761702008	KRA-GWC-15
761702009	KRA-GRL-FB-01
761702010	KRA-GRL-EB-04
761702011	KRA-GRL-FD-01
1206364261	Method Blank (MB)**CVAA Batch 2936115**
1206364262	Laboratory Control Sample (LCS)
1206364263	761697001(KRA-GWA-7D) Sample Duplicate (DUP)
1206364264	761697001(KRA-GWA-7S) Matrix Spike (MS)
1206364265	761697001(KRA-GWA-7PS) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS/MSD) Recovery Statement
The percent recoveries (%R) obtained from the MS/MSD analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The MS/MSD (See Below) did not meet the recommended quality control acceptance criteria for percent recoveries for the following applicable analyte. The post spike also did not meet the required control limits; thus, confirming matrix interferences and/or sample non-homogeneity.

Sample	Analyte	Value
1206364264 (KRA-GWA-7MS)	Mercury	70.2* (75%-125%)

Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the PS analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The PS did not meet the recommended quality control acceptance criteria for percent recoveries for all applicable analytes and verifies the presence of matrix interferences.

Sample	Analyte	Value
1206364265 (KRA-GWA-7PS)	Mercury	73* (80%-120%)

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2935804

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761702001	KRA-GWA-7
761702002	KRA-GWC-20
761702003	KRA-GWC-1
761702004	KRA-MW-25D
761702005	KRA-GWA-8
761702006	KRA-GWB-4R
761702007	KRA-GWC-11
761702008	KRA-GWC-15
761702009	KRA-GRL-FB-01
761702010	KRA-GRL-EB-04
761702011	KRA-GRL-FD-01
1206363838	Method Blank (MB) **Batch 2935804**
1206363839	Laboratory Control Sample (LCS)
1206363840	761702001(KRA-GWA-7) Sample Duplicate (DUP)
1206363841	761702001(KRA-GWA-7) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1206363840 (KRA-GWA-7DUP), 1206363841 (KRA-GWA-7MS), 761702001 (KRA-GWA-7), 761702002 (KRA-GWC-20) and 761702003 (KRA-GWC-1) were diluted because target analyte concentrations exceeded the calibration range.
Sample 761702002 (KRA-GWC-20) was diluted to minimize matrix effects on instrument performance.
Samples 761702002 (KRA-GWC-20), 761702005 (KRA-GWA-8), 761702006 (KRA-GWB-4R), 761702007 (KRA-GWC-11), 761702008 (KRA-GWC-15) and 761702011 (KRA-GRL-FD-01) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	761702							
	001	**002**	**003**	**005**	**006**	**007**	**008**	**011**
Chloride	10X	5X	1X	10X	50X	50X	1X	1X
Fluoride	1X	5X	1X	1X	1X	1X	1X	1X
Sulfate	1X	100X	2X	10X	50X	50X	5X	50X

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2935964

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761702001	KRA-GWA-7
761702002	KRA-GWC-20
761702003	KRA-GWC-1
761702004	KRA-MW-25D
761702005	KRA-GWA-8
761702006	KRA-GWB-4R
761702007	KRA-GWC-11
761702008	KRA-GWC-15
761702009	KRA-GRL-FB-01
761702010	KRA-GRL-EB-04
761702011	KRA-GRL-FD-01
1206364041	Method Blank (MB) **Batch 2935964**
1206364042	Laboratory Control Sample (LCS)
1206364044	761702005(KRA-GWA-8) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing

calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2
Project #
GEL Quote #:
COC Number [1]:
PO Number: GPC82177-0004

761702
761703

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- GWA-7	01-27-26	1020	G	N	WG			6	✓	✓	✓	
KRA- GWC-20	01-27-26	1320	G	N	WG			6	✓	✓	✓	
KRA- GWC-1	01-27-26	1342	G	N	WG			6	✓	✓	✓	
KRA- MW-25D	01-27-26	1410	G	N	WG			6	✓	✓	✓	
KRA- GWA-8	01-27-26	1100	G	N	WG			6	✓	✓	✓	
KRA- GWB-21R	01-27-26	1551	G	N	WG			6	✓	✓	✓	
KRA- GWC-11	01-27-26	1445	G	N	WG			6	✓	✓	✓	
KRA- GWC-15	01-27-26	1613	G	N	WG			6	✓	✓	✓	
KRA- GRL-FB-01	01-27-26	1540	G	N	WQ			6	✓	✓	✓	
KRA- GRL-EB-04	01-27-26	1645	G	N	WQ			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		1/28/26	0416 0417		1-28-26	9:17
2		1-28-26	11:08		1/28/26	11:08
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No *Cooler Temp:* 4 °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: ACC Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- GRL-FD-01	01-27-26	✓	G	N	WG			6	✓	✓	✓	
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		1/28/26	0916		1-28-26	9:16
2		1-27-26	11:08	Memphis	1/28/26	1108
3						

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] *Yes* [ ] *No* ***Cooler Temp:*** 4 °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 761702 761703	GEL PM: AM
Received By: Joel Boatwright	Date Received at GEL: 1.28-26	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR3-25 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2				
Cooler 2	1				
Cooler 3	4				
Cooler 4	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials YJ Date 01/29/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 11 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 23, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761703

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 28, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761703001	KRA-GWA-7	Ground Water	01/27/26 10:20	01/28/26 11:08
761703002	KRA-GWC-20	Ground Water	01/27/26 13:20	01/28/26 11:08
761703003	KRA-GWC-1	Ground Water	01/27/26 13:42	01/28/26 11:08
761703004	KRA-MW-25D	Ground Water	01/27/26 14:10	01/28/26 11:08
761703005	KRA-GWA-8	Ground Water	01/27/26 11:00	01/28/26 11:08
761703006	KRA-GWB-4R	Ground Water	01/27/26 15:51	01/28/26 11:08
761703007	KRA-GWC-11	Ground Water	01/27/26 14:45	01/28/26 11:08
761703008	KRA-GWC-15	Ground Water	01/27/26 16:13	01/28/26 11:08
761703009	KRA-GRL-FB-01	Water	01/27/26 15:40	01/28/26 11:08
761703010	KRA-GRL-EB-04	Water	01/27/26 16:45	01/28/26 11:08
761703011	KRA-GRL-FD-01	Ground Water	01/27/26 12:00	01/28/26 11:08

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

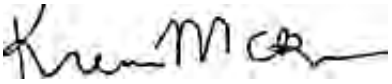
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	17-FEB-2026
EPA 903.1 Modified	09-FEB-2026
EPA 904.0/SW846 9320 Modified	11-FEB-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761703 GEL Work Order: 761703

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

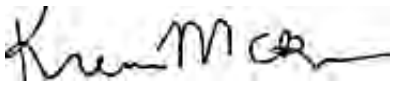
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWA-7
Sample ID: 761703001
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.16	+/-1.12	1.59	+/-1.27	3.00	pCi/L			CH7	02/11/26	1028	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		6.98	+/-1.62	1.59	+/-1.97		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		4.81	+/-1.17	0.430	+/-1.51	1.00	pCi/L			AW6	02/09/26	1037	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	85.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-20
Sample ID: 761703002
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.88	+/-1.33	1.59	+/-1.73	3.00	pCi/L			CH7	02/11/26	1029	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		6.57	+/-1.58	1.59	+/-1.99		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.69	+/-0.857	0.408	+/-0.981	1.00	pCi/L			AW6	02/09/26	1037	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	77.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-1
Sample ID: 761703003
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.271	+/-0.914	1.66	+/-0.917	3.00	pCi/L			CH7	02/11/26	1029	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.49	+/-1.07	1.66	+/-1.09		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.22	+/-0.553	0.428	+/-0.598	1.00	pCi/L			AW6	02/09/26	1037	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	80.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-25D
Sample ID: 761703004
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.47	+/-1.80	2.51	+/-2.20	3.00	pCi/L			CH7	02/11/26	1029	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.11	+/-1.86	2.51	+/-2.26		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.646	+/-0.485	0.637	+/-0.509	1.00	pCi/L			AW6	02/09/26	1037	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	68	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWA-8
Sample ID: 761703005
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.45	+/-1.07	1.68	+/-1.14	3.00	pCi/L			CH7	02/11/26	1029	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.99	+/-1.37	1.68	+/-1.48		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.55	+/-0.849	0.497	+/-0.943	1.00	pCi/L			AW6	02/09/26	1037	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	87.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
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Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell

Project: Plant Kraft

Client Sample ID: KRA-GWB-4R
Sample ID: 761703006
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.05	+/-0.991	1.34	+/-1.15	3.00	pCi/L			CH7	02/11/26	1029	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		6.14	+/-1.46	1.34	+/-1.71		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		4.10	+/-1.07	0.417	+/-1.27	1.00	pCi/L			AW6	02/09/26	1037	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	86.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-11
Sample ID: 761703007
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.99	+/-1.55	1.98	+/-1.92	3.00	pCi/L			CH7	02/11/26	1215	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		11.0	+/-2.02	1.98	+/-2.68		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		7.00	+/-1.29	0.432	+/-1.87	1.00	pCi/L			AW6	02/09/26	1037	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	80.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell

Project: Plant Kraft

Client Sample ID: KRA-GWC-15
Sample ID: 761703008
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.52	+/-1.34	1.98	+/-1.51	3.00	pCi/L			CH7	02/11/26	1029	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.15	+/-1.49	1.98	+/-1.67		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.63	+/-0.642	0.374	+/-0.696	1.00	pCi/L			AW6	02/09/26	1112	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	88.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

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Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FB-01
Sample ID: 761703009
Matrix: WQ
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.939	+/-0.832	1.33	+/-0.873	3.00	pCi/L			CH7	02/11/26	1029	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.16	+/-0.883	1.33	+/-0.923		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.221	+/-0.297	0.501	+/-0.299	1.00	pCi/L			AW6	02/09/26	1112	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	81.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 23, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-04
Sample ID: 761703010
Matrix: WQ
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.95	+/-1.38	2.19	+/-1.49	3.00	pCi/L			CH7	02/11/26	1026	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.95	+/-1.43	2.19	+/-1.53		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.000	+/-0.344	0.791	+/-0.344	1.00	pCi/L			AW6	02/09/26	1112	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	85.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Report Date: February 23, 2026
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-01
Sample ID: 761703011
Matrix: WG
Collect Date: 27-JAN-26
Receive Date: 28-JAN-26
Collector: Client
Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.67	+/-1.46	2.38	+/-1.53	3.00	pCi/L			CH7	02/11/26	1026	2936048	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		5.61	+/-1.76	2.38	+/-1.96		pCi/L		1	NXL1	02/17/26	1050	2936050	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.94	+/-0.986	0.492	+/-1.23	1.00	pCi/L			AW6	02/09/26	1112	2936141	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936048	78.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 761703

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 46
Analytical Batch: 2936050

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761703001	KRA-GWA-7
761703002	KRA-GWC-20
761703003	KRA-GWC-1
761703004	KRA-MW-25D
761703005	KRA-GWA-8
761703006	KRA-GWB-4R
761703007	KRA-GWC-11
761703008	KRA-GWC-15
761703009	KRA-GRL-FB-01
761703010	KRA-GRL-EB-04
761703011	KRA-GRL-FD-01

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2936048

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761703001	KRA-GWA-7
761703002	KRA-GWC-20
761703003	KRA-GWC-1
761703004	KRA-MW-25D
761703005	KRA-GWA-8
761703006	KRA-GWB-4R
761703007	KRA-GWC-11
761703008	KRA-GWC-15
761703009	KRA-GRL-FB-01
761703010	KRA-GRL-EB-04
761703011	KRA-GRL-FD-01

1206364165	Method Blank (MB) **Batch 2936048**
1206364166	761703001(KRA-GWA-7) Sample Duplicate (DUP)
1206364167	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix
Samples 1206364166 (KRA-GWA-7DUP), 761703001 (KRA-GWA-7), 761703002 (KRA-GWC-20), 761703003 (KRA-GWC-1), 761703006 (KRA-GWB-4R) and 761703011 (KRA-GRL-FD-01) were non-homogenous matrix. yellow water with varying turbidity 761703001 (KRA-GWA-7), 761703002 (KRA-GWC-20), 761703003 (KRA-GWC-1), 761703006 (KRA-GWB-4R) and 761703011 (KRA-GRL-FD-01).

Technical Information

Recounts
Sample 761703007 (KRA-GWC-11) was recounted to verify sample results. Recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2936141

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761703001	KRA-GWA-7
761703002	KRA-GWC-20
761703003	KRA-GWC-1
761703004	KRA-MW-25D
761703005	KRA-GWA-8
761703006	KRA-GWB-4R
761703007	KRA-GWC-11
761703008	KRA-GWC-15
761703009	KRA-GRL-FB-01
761703010	KRA-GRL-EB-04
761703011	KRA-GRL-FD-01
1206364319	Method Blank (MB) **Batch 2936141**
1206364320	761703001(KRA-GWA-7) Sample Duplicate (DUP)
1206364321	761703001(KRA-GWA-7) Matrix Spike (MS)
1206364322	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample
The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1206364320 (KRA-GWA-7DUP)	Radium-226	RPD 22.5* (0.00%-20.00%) RER 1.07 (0-3)

Miscellaneous Information

Additional Comments
The matrix spike, 1206364321 (KRA-GWA-7MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Client : **Georgia Power, Southern Company**
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761703**

Report Date: February 23, 2026

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2936048										
QC1206364166 761703001 DUP										
Radium-228		2.16	U	0.651	pCi/L	42.5		(0% - 100%)	CH7	02/11/2610:28
Uncert:		+/-1.12		+/-0.827						
TPU:		+/-1.27		+/-0.846						
QC1206364167 LCS										
Radium-228	61.5			62.8	pCi/L		102	(75%-125%)	CH7	02/11/2610:28
Uncert:				+/-4.47						
TPU:				+/-18.3						
QC1206364165 MB										
Radium-228			U	1.61	pCi/L				CH7	02/11/2610:28
Uncert:				+/-1.33						
TPU:				+/-1.40						
Rad Ra-226										
Batch 2936141										
QC1206364320 761703001 DUP										
Radium-226		4.81		6.04	pCi/L	22.5*		(0%-20%)	AW6	02/09/2611:12
Uncert:		+/-1.17		+/-1.24						
TPU:		+/-1.51		+/-1.65						
QC1206364322 LCS										
Radium-226	27.2			26.0	pCi/L		95.3	(75%-125%)	AW6	02/09/2611:12
Uncert:				+/-2.55						
TPU:				+/-4.60						
QC1206364319 MB										
Radium-226			U	0.294	pCi/L				AW6	02/09/2611:12
Uncert:				+/-0.400						
TPU:				+/-0.403						
QC1206364321 761703001 MS										
Radium-226	136	4.81		143	pCi/L		102	(75%-125%)	AW6	02/09/2611:12
Uncert:		+/-1.17		+/-13.4						
TPU:		+/-1.51		+/-25.2						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

QC Summary

Workorder: **761703**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

761702
761703

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Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116

Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470	Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- GWA-7	01-27-26	1020	G	N	WG			6	✓	✓	✓	
KRA- GWC-20	01-27-26	1320	G	N	WG			6	✓	✓	✓	
KRA- GWC-1	01-27-26	1342	G	N	WG			6	✓	✓	✓	
KRA- MW-25D	01-27-26	1410	G	N	WG			6	✓	✓	✓	
KRA- GWA-8	01-27-26	1100	G	N	WG			6	✓	✓	✓	
KRA- GWB-12	01-27-26	1551	G	N	WG			6	✓	✓	✓	
KRA- GWC-11	01-27-26	1445	G	N	WG			6	✓	✓	✓	
KRA- GWC-15	01-27-26	1613	G	N	WG			6	✓	✓	✓	
KRA- GRL-FB-01	01-27-26	1540	G	N	WQ			6	✓	✓	✓	
KRA- GRL-EB-04	01-27-26	1645	G	N	WQ			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		1/28/26	0446 0417		1-28-26	9:17
2		1-28-26	11:08		1/28/26	11:08
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 4 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

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Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: ACC Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- GRL-FD-01	01-27-26	✓	G	N	WG			6	✓	✓	✓	
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		1/28/26	0916		1-28-26	9:16
2		1-28-26	11:08		1/28/26	1108
3						

TAT Requested: Normal: x Rush: Specify: (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 4 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

***Sample Collection Time Zone*:** [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 761702 761703	GEL PM: AM
Received By: Joel Boatwright	Date Received at GEL: 1.28-26	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR3-25 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2				
Cooler 2	1				
Cooler 3	2				
Cooler 4	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials JJ Date 01/29/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 23 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 12, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761846

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 29, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761846001	KRA-GWC-12	Ground Water	01/28/26 16:00	01/29/26 10:58
761846002	KRA-GWC-13	Ground Water	01/28/26 14:17	01/29/26 10:58
761846003	KRA-GWC-14	Ground Water	01/28/26 15:37	01/29/26 10:58
761846004	KRA-GWC-16	Ground Water	01/28/26 11:17	01/29/26 10:58
761846005	KRA-GWC-17	Ground Water	01/28/26 15:15	01/29/26 10:58
761846006	KRA-GWC-21	Ground Water	01/28/26 09:57	01/29/26 10:58
761846007	KRA-GWC-22	Ground Water	01/28/26 12:40	01/29/26 10:58
761846008	KRA-MW-23D	Ground Water	01/28/26 11:51	01/29/26 10:58
761846009	KRA-MW-24D	Ground Water	01/28/26 12:34	01/29/26 10:58
761846010	KRA-MW-26D	Ground Water	01/28/26 13:05	01/29/26 10:58
761846011	KRA-GRL-FD-02	Ground Water	01/28/26 12:00	01/29/26 10:58
761846012	KRA-GRL-FD-03	Ground Water	01/28/26 12:00	01/29/26 10:58
761846013	KRA-GRL-FB-02	Water	01/28/26 12:00	01/29/26 10:58
761846014	KRA-GRL-FB-03	Water	01/28/26 14:50	01/29/26 10:58
761846015	KRA-GRL-EB-05	Water	01/28/26 13:15	01/29/26 10:58
761846016	KRA-GRL-EB-06	Water	01/28/26 16:35	01/29/26 10:58

761846017	KRA-GWB-5R	Ground Water	01/28/26 10:25	01/29/26 10:58
761846018	KRA-GWB-6R	Ground Water	01/28/26 12:20	01/29/26 10:58
761846019	KRA-GWC-2	Ground Water	01/28/26 14:33	01/29/26 10:58
761846020	KRA-GWC-9	Ground Water	01/28/26 09:40	01/29/26 10:58

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

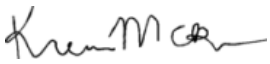
Method	Run Date ID
SW846 3005A	31-JAN-2026
SW846 7470A Prep	02-FEB-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	29-JAN-2026
EPA 300.0	30-JAN-2026
EPA 300.0	31-JAN-2026
SM 2540C	02-FEB-2026
SW846 3005A/6020B	06-FEB-2026
SW846 3005A/6020B	09-FEB-2026
SW846 3005A/6020B	10-FEB-2026
SW846 3005A/6020B	11-FEB-2026
SW846 7470A	03-FEB-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761846 GEL Work Order: 761846

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

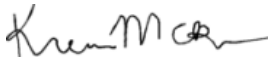
N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-12	Project:	GPCC00125
Sample ID:	761846001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 16:00		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride		0.117	0.0330	0.100	mg/L		1	CH6	01/29/26	1714	2936714	1
Chloride		43.8	2.68	8.00	mg/L		40	CH6	01/30/26	1315	2936714	2
Sulfate		362	5.32	16.0	mg/L		40					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1106	2936673	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		6.51	0.416	1.20	mg/L	1.00	80	PRB	02/10/26	1228	2936592	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/09/26	1737	2936592	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0235	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.000517	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000645	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.0102	0.00330	0.0200	mg/L	1.00	1					
Calcium		57.8	6.40	16.0	mg/L	1.00	80	PRB	02/10/26	1715	2936592	6
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2037	2936592	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		613	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-12	Project:	GPCC00125
Sample ID:	761846001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-13	Project:	GPCC00125
Sample ID:	761846002	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 14:17		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		4.59	0.0670	0.200	mg/L		1	CH6	01/29/26	1846	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		48.4	0.532	1.60	mg/L		4	CH6	01/30/26	1447	2936714	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1116	2936673	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.262	0.0260	0.0750	mg/L	1.00	5	PRB	02/10/26	1234	2936592	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1733	2936592	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0608	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		7.53	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00412	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0185	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2057	2936592	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		79.0	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-13	Project:	GPCC00125
Sample ID:	761846002	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-14	Project:	GPCC00125
Sample ID:	761846003	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 15:37		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	01/29/26	2019	2936714	1
Chloride		19.5	1.68	5.00	mg/L		25	CH6	01/30/26	1620	2936714	2
Sulfate		318	3.33	10.0	mg/L		25					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1117	2936673	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.0511	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1240	2936592	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1739	2936592	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0840	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0186	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00286	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00780	0.00330	0.0200	mg/L	1.00	1					
Calcium		153	0.400	1.00	mg/L	1.00	5	PRB	02/10/26	1742	2936592	6
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2100	2936592	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		747	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-14	Project:	GPCC00125
Sample ID:	761846003	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-16	Project:	GPCC00125
Sample ID:	761846004	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 11:17		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.132	0.400	mg/L		4	CH6	01/29/26	2050	2936714	1
Chloride		65.7	13.4	40.0	mg/L		200	CH6	01/30/26	1651	2936714	2
Sulfate		1880	26.6	80.0	mg/L		200					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1119	2936673	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		43.6	2.08	6.00	mg/L	1.00	400	PRB	02/10/26	1241	2936592	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1745	2936592	5
Arsenic		0.202	0.00200	0.00500	mg/L	1.00	1					
Barium		0.120	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0867	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00515	0.00330	0.0200	mg/L	1.00	1					
Calcium		334	1.60	4.00	mg/L	1.00	20	PRB	02/10/26	1748	2936592	6
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2102	2936592	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		3170	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-16	Project:	GPCC00125
Sample ID:	761846004	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-17	Project:	GPCC00125
Sample ID:	761846005	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 15:15		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride		0.567	0.0330	0.100	mg/L		1	CH6	01/29/26	2222	2936714	1
Chloride		605	6.70	20.0	mg/L		100	CH6	01/30/26	1722	2936714	2
Sulfate		539	13.3	40.0	mg/L		100					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1120	2936673	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		1.89	0.104	0.300	mg/L	1.00	20	PRB	02/10/26	1242	2936592	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1751	2936592	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0355	0.000670	0.00400	mg/L	1.00	1					
Beryllium		0.00243	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00381	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	J	0.00734	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.00393	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00484	0.00330	0.0200	mg/L	1.00	1					
Calcium		104	1.60	4.00	mg/L	1.00	20	PRB	02/10/26	1754	2936592	6
Zinc	J	0.0117	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2105	2936592	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1870	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-17	Project:	GPCC00125
Sample ID:	761846005	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-21	Project:	GPCC00125
Sample ID:	761846006	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 09:57		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	01/29/26	2253	2936714	1
Chloride		32.6	6.70	20.0	mg/L		100	CH6	01/30/26	1752	2936714	2
Sulfate		728	13.3	40.0	mg/L		100					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1122	2936673	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		11.6	0.520	1.50	mg/L	1.00	100	PRB	02/10/26	1244	2936592	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1757	2936592	5
Arsenic		0.0428	0.00200	0.00500	mg/L	1.00	1					
Barium		0.254	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0956	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.00655	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00759	0.00330	0.0200	mg/L	1.00	1					
Calcium		199	8.00	20.0	mg/L	1.00	100	PRB	02/10/26	1800	2936592	6
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2108	2936592	7
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1380	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-21	Project:	GPCC00125
Sample ID:	761846006	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-22	Project:	GPCC00125
Sample ID:	761846007	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:40		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0660	0.200	mg/L		2	CH6	01/29/26	2324	2936714	1
Sulfate		612	6.65	20.0	mg/L		50	CH6	01/30/26	1925	2936714	2
Chloride		281	3.35	10.0	mg/L		50	CH6	01/31/26	1026	2936714	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1124	2936673	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		7.32	0.520	1.50	mg/L	1.00	100	PRB	02/10/26	1245	2936592	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1809	2936592	6
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.165	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	J	0.000500	0.000300	0.00100	mg/L	1.00	1					
Lead	J	0.000502	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000321	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00480	0.00330	0.0200	mg/L	1.00	1					
Calcium		87.9	8.00	20.0	mg/L	1.00	100	PRB	02/10/26	1811	2936592	7
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2111	2936592	8
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1430	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-22	Project:	GPCC00125
Sample ID:	761846007	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-23D	Project:	GPCC00125
Sample ID:	761846008	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 11:51		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		7.27	0.0670	0.200	mg/L		1	CH6	01/29/26	2355	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		19.2	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1125	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.0367	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1306	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1815	2936592	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0549	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		7.18	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.0175	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2114	2936592	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		63.0	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-23D	Project:	GPCC00125
Sample ID:	761846008	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-24D	Project:	GPCC00125
Sample ID:	761846009	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:34		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.77	0.0670	0.200	mg/L		1	CH6	01/30/26	0026	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	J	0.157	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1127	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.0219	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1248	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1634	2936592	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0287	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		2.34	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000879	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2117	2936592	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		44.0	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-24D	Project:	GPCC00125
Sample ID:	761846009	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-26D	Project:	GPCC00125
Sample ID:	761846010	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 13:05		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		6.61	0.0670	0.200	mg/L		1	CH6	01/30/26	0057	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	J	0.381	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1129	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.0195	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1250	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1637	2936592	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0340	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		2.42	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000204	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.00644	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2119	2936592	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		32.0	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-26D	Project:	GPCC00125
Sample ID:	761846010	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-02	Project:	GPCC00125
Sample ID:	761846011	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:00		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		5.78	0.0670	0.200	mg/L		1	CH6	01/30/26	0128	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	J	0.147	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1130	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.0203	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1251	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1817	2936592	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0272	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		2.22	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000501	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2128	2936592	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		36.0	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-02	Project:	GPCC00125
Sample ID:	761846011	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-03	Project:	GPCC00125
Sample ID:	761846012	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:00		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	01/30/26	0158	2936714	1
Sulfate		319	3.33	10.0	mg/L		25	CH6	01/30/26	1956	2936714	2
Chloride		19.3	1.68	5.00	mg/L		25	CH6	01/31/26	1057	2936714	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1135	2936673	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.0564	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1254	2936592	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1820	2936592	6
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0871	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum		0.0192	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00300	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00719	0.00330	0.0200	mg/L	1.00	1					
Calcium		159	0.800	2.00	mg/L	1.00	10	PRB	02/10/26	1823	2936592	7
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2131	2936592	8
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		742	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FD-03	Project:	GPCC00125
Sample ID:	761846012	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-02	Project:	GPCC00125
Sample ID:	761846013	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	28-JAN-26 12:00		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0330	0.100	mg/L		1	CH6	01/30/26	2027	2936714	1
Sulfate	U	ND	0.133	0.400	mg/L		1					
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	01/31/26	1127	2936714	2
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1137	2936673	3
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1255	2936592	4
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1826	2936592	5
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2133	2936592	6
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	7

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-02	Project:	GPCC00125
Sample ID:	761846013	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	SW846 7470A	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-03	Project:	GPCC00125
Sample ID:	761846014	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	28-JAN-26 14:50		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	01/30/26	0300	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1139	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1256	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1829	2936592	4
Arsenic	U	ND	0.00200	0.00500	mg/L	1.00	1					
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	U	ND	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1	PRB	02/06/26	2136	2936592	5
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-FB-03	Project:	GPCC00125
Sample ID:	761846014	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-05	Project:	GPCC00125
Sample ID:	761846015	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	28-JAN-26 13:15		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	01/30/26	0433	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1140	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1258	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1640	2936592	4
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	U	ND	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00426	0.00330	0.0200	mg/L	1.00	1					
Arsenic	U	ND	0.0100	0.0250	mg/L	1.00	5	PRB	02/11/26	1418	2936592	5
Selenium	U	ND	0.00750	0.0250	mg/L	1.00	5					
Zinc	U	ND	0.0165	0.100	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-05	Project:	GPCC00125
Sample ID:	761846015	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-06	Project:	GPCC00125
Sample ID:	761846016	Client ID:	GPCC004
Matrix:	WQ		
Collect Date:	28-JAN-26 16:35		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride	U	ND	0.0670	0.200	mg/L		1	CH6	01/30/26	0504	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1142	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron	U	ND	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1259	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1643	2936592	4
Barium	U	ND	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	J	0.0978	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00382	0.00330	0.0200	mg/L	1.00	1					
Arsenic	U	ND	0.0100	0.0250	mg/L	1.00	5	PRB	02/11/26	1423	2936592	5
Selenium	U	ND	0.00750	0.0250	mg/L	1.00	5					
Zinc	U	ND	0.0165	0.100	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids	U	ND	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GRL-EB-06	Project:	GPCC00125
Sample ID:	761846016	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-5R	Project:	GPCC00125
Sample ID:	761846017	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 10:25		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	U	ND	0.0660	0.200	mg/L		2	CH6	01/30/26	0535	2936714	1
Sulfate		692	6.65	20.0	mg/L		50	CH6	01/30/26	2058	2936714	2
Chloride		58.0	3.35	10.0	mg/L		50	CH6	01/31/26	1158	2936714	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1144	2936673	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		3.41	0.130	0.375	mg/L	1.00	25	PRB	02/10/26	1300	2936592	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1646	2936592	6
Barium		0.126	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00108	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00881	0.00330	0.0200	mg/L	1.00	1					
Arsenic	U	ND	0.0100	0.0250	mg/L	1.00	5	PRB	02/11/26	1453	2936592	7
Calcium		133	0.400	1.00	mg/L	1.00	5					
Selenium	U	ND	0.00750	0.0250	mg/L	1.00	5					
Zinc	U	ND	0.0165	0.100	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1220	2.38	10.0	mg/L			SC1	02/02/26	1213	2936995	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-5R	Project:	GPCC00125
Sample ID:	761846017	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-6R	Project:	GPCC00125
Sample ID:	761846018	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:20		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0468	0.0330	0.100	mg/L		1	CH6	01/30/26	0605	2936714	1
Sulfate		555	6.65	20.0	mg/L		50	CH6	01/30/26	2129	2936714	2
Chloride		53.6	3.35	10.0	mg/L		50	CH6	01/31/26	1229	2936714	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1145	2936673	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		6.84	0.520	1.50	mg/L	1.00	100	PRB	02/10/26	1301	2936592	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1657	2936592	6
Arsenic		0.00504	0.00200	0.00500	mg/L	1.00	1					
Barium		0.0263	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium	J	0.00499	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.0321	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000615	0.000200	0.00100	mg/L	1.00	1					
Selenium	J	0.00194	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium		0.0275	0.00330	0.0200	mg/L	1.00	1					
Calcium		84.7	0.400	1.00	mg/L	1.00	5	PRB	02/10/26	1700	2936592	7
Zinc		0.0373	0.00330	0.0200	mg/L	1.00	1	PRB	02/11/26	1502	2936592	8
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		1130	2.38	10.0	mg/L			SC1	02/02/26	1312	2937858	9

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-6R	Project:	GPCC00125
Sample ID:	761846018	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-2	Project:	GPCC00125
Sample ID:	761846019	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 14:33		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Chloride		3.32	0.0670	0.200	mg/L		1	CH6	01/30/26	0636	2936714	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate		10.8	0.133	0.400	mg/L		1					
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1147	2936673	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron	J	0.0296	0.0260	0.0750	mg/L	1.00	5	PRB	02/10/26	1303	2936592	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1703	2936592	4
Barium		0.0507	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium	J	0.162	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00438	0.00330	0.0200	mg/L	1.00	1					
Arsenic	U	ND	0.0100	0.0250	mg/L	1.00	5	PRB	02/11/26	1511	2936592	5
Selenium	U	ND	0.00750	0.0250	mg/L	1.00	5					
Zinc	U	ND	0.0165	0.100	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		21.0	2.38	10.0	mg/L			SC1	02/02/26	1312	2937858	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-2	Project:	GPCC00125
Sample ID:	761846019	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-9	Project:	GPCC00125
Sample ID:	761846020	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 09:40		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Fluoride	J	0.0837	0.0330	0.100	mg/L		1	CH6	01/30/26	0707	2936714	1
Sulfate		23.5	0.532	1.60	mg/L		4	CH6	01/30/26	2159	2936714	2
Chloride		21.4	0.268	0.800	mg/L		4	CH6	01/31/26	1300	2936714	3
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/03/26	1148	2936673	4
Metals Analysis-ICP-MS												
SW846 3005A/6020B Regulatory Metals "As Received"												
Boron		0.0235	0.00520	0.0150	mg/L	1.00	1	PRB	02/10/26	1304	2936592	5
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	1709	2936592	6
Barium		0.194	0.000670	0.00400	mg/L	1.00	1					
Beryllium	J	0.000288	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		5.02	0.0800	0.200	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00109	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	U	ND	0.000200	0.00100	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00414	0.00330	0.0200	mg/L	1.00	1					
Arsenic	U	ND	0.0100	0.0250	mg/L	1.00	5	PRB	02/11/26	1517	2936592	7
Selenium	U	ND	0.00750	0.0250	mg/L	1.00	5					
Zinc	U	ND	0.0165	0.100	mg/L	1.00	5					
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		86.0	2.38	10.0	mg/L			SC1	02/02/26	1312	2937858	8

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	JM13	02/02/26	1100	2936672
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/31/26	0925	2936591

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-9	Project:	GPCC00125
Sample ID:	761846020	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	
4	SW846 7470A	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	
7	SW846 3005A/6020B	
8	SM 2540C	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: February 12, 2026

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761846**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2936714										
QC1206365149 761846001 DUP										
Chloride		43.8		43.6	mg/L	0.503		(0%-20%)	CH6	01/30/26 13:45
Fluoride		0.117		0.120	mg/L	2.11	^	(+/-0.100)		01/29/26 17:45
Sulfate		362		368	mg/L	1.78		(0%-20%)		01/30/26 13:45
QC1206365151 761846002 DUP										
Chloride		4.59		4.56	mg/L	0.516		(0%-20%)		01/29/26 19:17
Fluoride	U	ND	U	ND	mg/L	N/A				
Sulfate		48.4		48.1	mg/L	0.486		(0%-20%)		01/30/26 15:18
QC1206365148 LCS										
Chloride	5.00			4.57	mg/L		91.5	(90%-110%)		01/29/26 09:19
Fluoride	2.50			2.50	mg/L		99.8	(90%-110%)		
Sulfate	10.0			9.46	mg/L		94.6	(90%-110%)		
QC1206365147 MB										
Chloride			U	ND	mg/L					01/29/26 08:48
Fluoride			U	ND	mg/L					
Sulfate			U	ND	mg/L					

QC Summary

Workorder: **761846**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2936714										
QC1206365150 761846001 MS										
Chloride	200	43.8		228	mg/L		92.2	(90%-110%)	CH6	01/30/26 14:16
Fluoride	2.50	0.117		2.49	mg/L		94.8	(90%-110%)		01/29/26 18:15
Sulfate	400	362		735	mg/L		93.4	(90%-110%)		01/30/26 14:16
QC1206365152 761846002 MS										
Chloride	5.00	4.59		9.77	mg/L		104	(90%-110%)		01/29/26 19:48
Fluoride	2.50	ND	U	2.58	mg/L		103	(90%-110%)		
Sulfate	40.0	48.4		88.6	mg/L		101	(90%-110%)		01/30/26 15:49
Metals Analysis - ICPMS										
Batch 2936592										
QC1206364947 LCS										
Antimony	0.0500			0.0478	mg/L		95.5	(80%-120%)	PRB	02/10/26 16:31
Arsenic	0.0500			0.0483	mg/L		96.7	(80%-120%)		
Barium	0.0500			0.0520	mg/L		104	(80%-120%)		
Beryllium	0.0500			0.0548	mg/L		110	(80%-120%)		
Boron	0.100			0.113	mg/L		113	(80%-120%)		02/10/26 12:36
Cadmium	0.0500			0.0496	mg/L		99.1	(80%-120%)		02/10/26 16:31
Calcium	2.00			2.10	mg/L		105	(80%-120%)		

QC Summary

Workorder: **761846**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936592										
Chromium	0.0500			0.0483	mg/L		96.7	(80%-120%)	PRB	02/10/26 16:31
Cobalt	0.0500			0.0469	mg/L		93.8	(80%-120%)		
Lead	0.0500			0.0499	mg/L		99.9	(80%-120%)		
Lithium	0.0500			0.0522	mg/L		104	(80%-120%)		
Molybdenum	0.0500			0.0516	mg/L		103	(80%-120%)		
Selenium	0.0500			0.0455	mg/L		91	(80%-120%)		
Thallium	0.0500			0.0474	mg/L		94.8	(80%-120%)		
Vanadium	0.0500			0.0490	mg/L		97.9	(80%-120%)		
Zinc	0.0500			0.0532	mg/L		106	(80%-120%)		02/06/26 20:34
QC1206364946 MB										
Antimony			U	ND	mg/L					02/10/26 16:28
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					02/10/26 12:26

QC Summary

Workorder: **761846**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936592										
Cadmium			U	ND	mg/L				PRB	02/10/26 16:28
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Molybdenum			J	0.000321	mg/L					
Selenium			U	ND	mg/L					
Thallium			U	ND	mg/L					
Vanadium			U	ND	mg/L					
Zinc			U	ND	mg/L					02/06/26 20:32
QC1206364948 761846001 MS										
Antimony	0.0500	U	ND	0.0561	mg/L		111	(75%-125%)		02/09/26 17:40
Arsenic	0.0500	U	ND	0.0547	mg/L		108	(75%-125%)		
Barium	0.0500		0.0235	0.0801	mg/L		113	(75%-125%)		

QC Summary

Workorder: **761846**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936592											
Beryllium	0.0500		0.000517		0.0632	mg/L		125	(75%-125%)	PRB	02/09/26 17:40
Boron	0.100		6.51		7.58	mg/L		N/A	(75%-125%)		02/10/26 12:30
Cadmium	0.0500	U	ND		0.0565	mg/L		113	(75%-125%)		02/09/26 17:40
Calcium	2.00		57.8		63.7	mg/L		N/A	(75%-125%)		02/10/26 17:18
Chromium	0.0500	U	ND		0.0555	mg/L		109	(75%-125%)		02/09/26 17:40
Cobalt	0.0500	J	0.000645		0.0549	mg/L		109	(75%-125%)		
Lead	0.0500	U	ND		0.0550	mg/L		110	(75%-125%)		
Lithium	0.0500	U	ND		0.0606	mg/L		118	(75%-125%)		
Molybdenum	0.0500	U	ND		0.0598	mg/L		119	(75%-125%)		
Selenium	0.0500	U	ND		0.0514	mg/L		103	(75%-125%)		
Thallium	0.0500	U	ND		0.0533	mg/L		106	(75%-125%)		
Vanadium	0.0500	J	0.0102		0.0666	mg/L		113	(75%-125%)		
Zinc	0.0500	U	ND		0.0479	mg/L		92.8	(75%-125%)		02/06/26 20:40
QC1206364949 761846001 MSD											
Antimony	0.0500	U	ND		0.0518	mg/L	7.94	103	(0%-20%)		02/09/26 17:43

QC Summary

Workorder: **761846**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936592											
Arsenic	0.0500	U	ND		0.0522	mg/L	4.68	103	(0%-20%)	PRB	02/09/26 17:43
Barium	0.0500		0.0235		0.0747	mg/L	7.02	102	(0%-20%)		
Beryllium	0.0500		0.000517		0.0584	mg/L	7.87	116	(0%-20%)		
Boron	0.100		6.51		7.27	mg/L	4.17	N/A	(0%-20%)		02/10/26 12:31
Cadmium	0.0500	U	ND		0.0523	mg/L	7.75	105	(0%-20%)		02/09/26 17:43
Calcium	2.00		57.8		55.5	mg/L	13.7	N/A	(0%-20%)		02/10/26 17:21
Chromium	0.0500	U	ND		0.0518	mg/L	6.82	102	(0%-20%)		02/09/26 17:43
Cobalt	0.0500	J	0.000645		0.0501	mg/L	9.16	98.9	(0%-20%)		
Lead	0.0500	U	ND		0.0511	mg/L	7.38	102	(0%-20%)		
Lithium	0.0500	U	ND		0.0564	mg/L	7.17	110	(0%-20%)		
Molybdenum	0.0500	U	ND		0.0550	mg/L	8.3	110	(0%-20%)		
Selenium	0.0500	U	ND		0.0500	mg/L	2.77	99.9	(0%-20%)		
Thallium	0.0500	U	ND		0.0485	mg/L	9.32	96.7	(0%-20%)		
Vanadium	0.0500	J	0.0102		0.0608	mg/L	9.06	101	(0%-20%)		

QC Summary

Workorder: **761846**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936592											
Zinc	0.0500	U	ND		0.0479	mg/L	0.0313	92.9	(0%-20%)	PRB	02/06/26 20:43
QC1206364951 761846001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/09/26 17:48
Arsenic		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium			23.5		4.68	ug/L	.557		(0%-20%)		
Beryllium			0.517	U	ND	ug/L	N/A		(0%-20%)		
Boron			6510		8720	ug/L	34		(0%-20%)		02/10/26 12:33
Cadmium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/09/26 17:48
Calcium			57800	J	58900	ug/L	1.91		(0%-20%)		02/10/26 17:24
Chromium		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/09/26 17:48
Cobalt		J	0.645	U	ND	ug/L	N/A		(0%-20%)		
Lead		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium		U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum		U	ND	J	0.201	ug/L	N/A		(0%-20%)		
Selenium		U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: 761846

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936592										
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	02/09/26 17:48
Vanadium	J	10.2	U	ND	ug/L	N/A		(0%-20%)		
Zinc	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/06/26 20:48
Metals Analysis-Mercury										
Batch 2936673										
QC1206365131 761846001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	02/03/26 11:07
QC1206365130 LCS										
Mercury	0.00200			0.00204	mg/L		102	(80%-120%)		02/03/26 11:04
QC1206365129 MB										
Mercury			U	ND	mg/L					02/03/26 11:02
QC1206365132 761846001 MS										
Mercury	0.00200	U	ND	0.00153	mg/L		76.6	(75%-125%)		02/03/26 11:09
Solids Analysis										
Batch 2936995										
QC1206365683 761754003 DUP										
Total Dissolved Solids		309		282	mg/L	9.14 *		(0%-5%)	SC1	02/02/26 12:13
QC1206365682 LCS										
Total Dissolved Solids	300			297	mg/L		99	(95%-105%)		02/02/26 12:13
QC1206365681 MB										
Total Dissolved Solids			U	ND	mg/L					02/02/26 12:13

QC Summary

Workorder: **761846**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2937858										
QC1206366821 762081003 DUP										
Total Dissolved Solids		872		890	mg/L	2.04		(0%-5%)	SC1	02/02/26 13:12
QC1206366820 LCS										
Total Dissolved Solids	300			302	mg/L		101	(95%-105%)		02/02/26 13:12
QC1206366819 MB										
Total Dissolved Solids			U	ND	mg/L					02/02/26 13:12

Notes:

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J J Value is estimated

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2936592

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2936591

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761846001	KRA-GWC-12
761846002	KRA-GWC-13
761846003	KRA-GWC-14
761846004	KRA-GWC-16
761846005	KRA-GWC-17
761846006	KRA-GWC-21
761846007	KRA-GWC-22
761846008	KRA-MW-23D
761846009	KRA-MW-24D
761846010	KRA-MW-26D
761846011	KRA-GRL-FD-02
761846012	KRA-GRL-FD-03
761846013	KRA-GRL-FB-02
761846014	KRA-GRL-FB-03
761846015	KRA-GRL-EB-05
761846016	KRA-GRL-EB-06
761846017	KRA-GWB-5R
761846018	KRA-GWB-6R
761846019	KRA-GWC-2
761846020	KRA-GWC-9
1206364946	Method Blank (MB)**ICP-MS Batch 2936592**
1206364947	Laboratory Control Sample (LCS)
1206364951	761846001(KRA-GWC-12L) Serial Dilution (SD)
1206364948	761846001(KRA-GWC-12S) Matrix Spike (MS)
1206364949	761846001(KRA-GWC-12SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 761846001 (KRA-GWC-12), 761846002 (KRA-GWC-13), 761846003 (KRA-GWC-14), 761846004 (KRA-GWC-16), 761846005 (KRA-GWC-17), 761846006 (KRA-GWC-21), 761846007 (KRA-GWC-22), 761846012 (KRA-GRL-FD-03), 761846017 (KRA-GWB-5R), 761846018 (KRA-GWB-6R), 761846019 (KRA-GWC-2) and 761846020 (KRA-GWC-9) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.
Per the SOP, samples 761846009 (KRA-MW-24D), 761846010 (KRA-MW-26D), 761846015 (KRA-GRL-EB-05), 761846016 (KRA-GRL-EB-06), 761846017 (KRA-GWB-5R), 761846018 (KRA-GWB-6R), 761846019 (KRA-GWC-2) and 761846020 (KRA-GWC-9) were diluted due to internal standard recoveries outside the acceptable control limits.

Analyte	761846									
	001	**002**	**003**	**004**	**005**	**006**	**007**	**012**	**015**	**016**
Arsenic									5X	5X
Boron	80X	5X		400X	20X	100X	100X			
Calcium	80X		5X	20X	20X	100X	100X	10X		
Selenium									5X	5X
Zinc									5X	5X

Analyte	761846			
	017	**018**	**019**	**020**
Arsenic	5X		5X	5X
Boron	25X	100X	5X	
Calcium	5X	5X		
Selenium	5X		5X	5X
Zinc	5X		5X	5X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2936673

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2936672

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761846001	KRA-GWC-12
761846002	KRA-GWC-13
761846003	KRA-GWC-14

761846004	KRA-GWC-16
761846005	KRA-GWC-17
761846006	KRA-GWC-21
761846007	KRA-GWC-22
761846008	KRA-MW-23D
761846009	KRA-MW-24D
761846010	KRA-MW-26D
761846011	KRA-GRL-FD-02
761846012	KRA-GRL-FD-03
761846013	KRA-GRL-FB-02
761846014	KRA-GRL-FB-03
761846015	KRA-GRL-EB-05
761846016	KRA-GRL-EB-06
761846017	KRA-GWB-5R
761846018	KRA-GWB-6R
761846019	KRA-GWC-2
761846020	KRA-GWC-9
1206365129	Method Blank (MB)**CVAA Batch 2936673**
1206365130	Laboratory Control Sample (LCS)
1206365131	761846001(KRA-GWC-12D) Sample Duplicate (DUP)
1206365132	761846001(KRA-GWC-12S) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2936714

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761846001	KRA-GWC-12
761846002	KRA-GWC-13
761846003	KRA-GWC-14
761846004	KRA-GWC-16
761846005	KRA-GWC-17
761846006	KRA-GWC-21
761846007	KRA-GWC-22
761846008	KRA-MW-23D
761846009	KRA-MW-24D
761846010	KRA-MW-26D
761846011	KRA-GRL-FD-02
761846012	KRA-GRL-FD-03
761846013	KRA-GRL-FB-02
761846014	KRA-GRL-FB-03
761846015	KRA-GRL-EB-05

761846016	KRA-GRL-EB-06
761846017	KRA-GWB-5R
761846018	KRA-GWB-6R
761846019	KRA-GWC-2
761846020	KRA-GWC-9
1206365147	Method Blank (MB) **Batch 2936714**
1206365148	Laboratory Control Sample (LCS)
1206365149	761846001(KRA-GWC-12) Sample Duplicate (DUP)
1206365150	761846001(KRA-GWC-12) Matrix Spike (MS)
1206365151	761846002(KRA-GWC-13) Sample Duplicate (DUP)
1206365152	761846002(KRA-GWC-13) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1206365149 (KRA-GWC-12DUP), 1206365150 (KRA-GWC-12MS), 1206365151 (KRA-GWC-13DUP), 1206365152 (KRA-GWC-13MS), 761846001 (KRA-GWC-12), 761846002 (KRA-GWC-13), 761846003 (KRA-GWC-14), 761846004 (KRA-GWC-16), 761846005 (KRA-GWC-17), 761846006 (KRA-GWC-21), 761846007 (KRA-GWC-22), 761846012 (KRA-GRL-FD-03), 761846017 (KRA-GWB-5R), 761846018 (KRA-GWB-6R) and 761846020 (KRA-GWC-9) were diluted because target analyte concentrations exceeded the calibration range.
Samples 761846004 (KRA-GWC-16), 761846007 (KRA-GWC-22) and 761846017 (KRA-GWB-5R) were diluted to minimize matrix effects on instrument performance.
Samples 761846004 (KRA-GWC-16), 761846007 (KRA-GWC-22) and 761846017 (KRA-GWB-5R) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	761846									
	001	**002**	**003**	**004**	**005**	**006**	**007**	**012**	**017**	**018**
Chloride	40X	1X	25X	200X	100X	100X	50X	25X	50X	50X
Fluoride	1X	1X	1X	4X	1X	1X	2X	1X	2X	1X
Sulfate	40X	4X	25X	200X	100X	100X	50X	25X	50X	50X

Analyte	761846
	020
Chloride	4X
Sulfate	4X

Sample Re-analysis
Samples 761846007 (KRA-GWC-22), 761846012 (KRA-GRL-FD-03), 761846013 (KRA-GRL-FB-02), 761846017 (KRA-GWB-5R), 761846018 (KRA-GWB-6R) and 761846020 (KRA-GWC-9) were re-analyzed due to CCV failure. The reanalysis data with passing instrument QC was reported.
Sample 761846013 (KRA-GRL-FB-02) was re-analyzed to verify the result.

Miscellaneous Information

Manual Integrations
Samples 1206365149 (KRA-GWC-12DUP), 1206365150 (KRA-GWC-12MS) and 761846001 (KRA-GWC-12) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2936995

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761846001	KRA-GWC-12
761846002	KRA-GWC-13
761846003	KRA-GWC-14
761846004	KRA-GWC-16
761846005	KRA-GWC-17
761846006	KRA-GWC-21
761846007	KRA-GWC-22
761846008	KRA-MW-23D
761846009	KRA-MW-24D
761846010	KRA-MW-26D
761846011	KRA-GRL-FD-02
761846012	KRA-GRL-FD-03
761846013	KRA-GRL-FB-02
761846014	KRA-GRL-FB-03
761846015	KRA-GRL-EB-05
761846016	KRA-GRL-EB-06
761846017	KRA-GWB-5R
1206365681	Method Blank (MB) **Batch 2936995**
1206365682	Laboratory Control Sample (LCS)
1206365683	761754003(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Method Blank (MB) Statement
The MB analyzed with this SDG met the acceptance criteria per GEL's reporting limits. Client requested limits are less than GEL's limits and since they are less than levels we can detect, the data will be qualified.

Sample	Analyte	Value
1206365681 (MB)	Total Dissolved Solids	See applicable report

Duplicate Relative Percent Difference (RPD) Statement
The Relative Percent Difference (RPD) between the sample and duplicate falls outside of the established acceptance

limits because of the heterogeneous matrix of the sample:

Analyte	Sample	Value
Total Dissolved Solids	1206365683 (Non SDG 761754003DUP)	9.14* (0%-5%)

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2937858

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761846018	KRA-GWB-6R
761846019	KRA-GWC-2
761846020	KRA-GWC-9
1206366819	Method Blank (MB) **Batch 2937858**
1206366820	Laboratory Control Sample (LCS)
1206366821	762081003(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

1/29/26

761851 761852 761846 761849

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power Phone # 404-506-7116

Project/Site Name: Plant Kraft - Grumman Road Landfill Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: J. Bernstein, C. Kilgore, D. Johnson, J. Hug ACC

Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)	Comments
KRA- GWC-12	01-28-26	1600	G	N	WG			6	✓	✓	✓		Note: extra sample is required for sample specific QC Task_Code: KRA-CCR-ASSMT-2026S1
KRA- GWC-13	01-28-26	1417	G	N	WG			6	✓	✓	✓		
KRA- GWC-14	01-28-26	1537	G	N	WG			6	✓	✓	✓		
KRA- GWC-16	01-28-26	1117	G	N	WG			6	✓	✓	✓		
KRA- GWC-17	01-28-26	1515	G	N	WG			6	✓	✓	✓		
KRA- GWC-21	01-28-26	0957	G	N	WG			6	✓	✓	✓		
KRA- GWC-22	01-28-26	1240	G	N	WG			6	✓	✓	✓		
KRA- MW-23D	01-28-26	1151	G	N	WG			6	✓	✓	✓		
KRA- MW-24D	01-28-26	1234	G	N	WG			6	✓	✓	✓		
KRA- MW-26D	01-28-26	1305	G	N	WG			6	✓	✓	✓		

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	1/29/26	1058	1 Ken	1.29.26	1058
2			2		
3			3		

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 1 °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC

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Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: SB, CK, JM, DJ ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470 NI	Radium 226 & 228 SW-846 9315, 9320 NI	<-- Preservative Type (6)
KRA- GRL-FD-02	01-28-26	—	G	N	WG			6	✓	✓	✓	
KRA- GRL-FD-03	01-28-26	—	G	N	WG			6	✓	✓	✓	
KRA- GRL-FB-02	01-28-26	1200	G	N	WQ			6	✓	✓	✓	
KRA- GRL-FB-03	01-28-26	1450	G	N	WQ			6	✓	✓	✓	
KRA- GRL-EB-05	01-28-26	1315	G	N	WQ			6	✓	✓	✓	
KRA- GRL-EB-06	01-28-26	1635	G	N	WQ			6	✓	✓	✓	
KRA- GWB-5R	01-28-26	1025	G	N	WG			6	✓	✓	✓	
KRA- GWB-6R	01-28-26	1220	G	N	WG			6	✓	✓	✓	
KRA- GWC-2	01-28-26	1433	G	N	WG			6	✓	✓	✓	
KRA- GWC-9	01-28-26	0940	G	N	WG			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	1/29/26	1054	1	1.29.26	1058
2			2		
3			3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 761846 761849 | GEL PM: AMM

Received By: CLM | Date Received at GEL: 11/29/24

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	1°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	1°				
5	1°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-Clifton - Seep analysis: Metals, Radium 226 & 228, NH3, TKN, & If Preservation added, Lot#: Nitric: Sulfuric:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) Only received 1 metals container for each ID.
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) EPA 350.1, 351.2. Lot# for Nitric ~~to304~~ cum tube 6240424BP
Sulfuric Lot# 20240813 28. Attempted to preserve the samples held for analysis: NH3 but all others did not.

PM (or PMA) review: Initials _____ Date _____

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 12 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 26, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

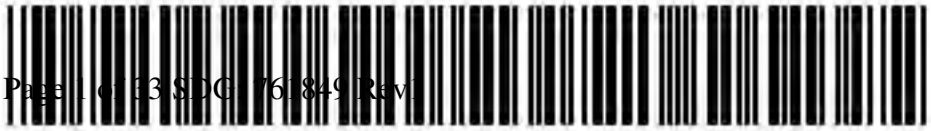
Re: Plant Kraft
Work Order: 761849

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 29, 2026. This revised data report has been prepared and reviewed in accordance with GEL's standard operating procedures. This report replaces the original version which is noted as SDG number 761849 in the left-hand footer of the data report. This report has been revised to correct the sample IDs.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761849001	KRA-GWC-12	Ground Water	01/28/26 16:00	01/29/26 10:58
761849002	KRA-GWC-13	Ground Water	01/28/26 14:17	01/29/26 10:58
761849003	KRA-GWC-14	Ground Water	01/28/26 15:37	01/29/26 10:58
761849004	KRA-GWC-16	Ground Water	01/28/26 11:17	01/29/26 10:58
761849005	KRA-GWC-17	Ground Water	01/28/26 15:15	01/29/26 10:58
761849006	KRA-GWC-21	Ground Water	01/28/26 09:57	01/29/26 10:58
761849007	KRA-GWC-22	Ground Water	01/28/26 12:40	01/29/26 10:58
761849008	KRA-MW-23D	Ground Water	01/28/26 11:51	01/29/26 10:58
761849009	KRA-MW-24D	Ground Water	01/28/26 12:34	01/29/26 10:58
761849010	KRA-MW-26D	Ground Water	01/28/26 13:05	01/29/26 10:58
761849011	KRA-GRL-FD-02	Ground Water	01/28/26 12:00	01/29/26 10:58
761849012	KRA-GRL-FD-03	Ground Water	01/28/26 12:00	01/29/26 10:58
761849013	KRA-GRL-FB-02	Water	01/28/26 12:00	01/29/26 10:58
761849014	KRA-GRL-FB-03	Water	01/28/26 14:50	01/29/26 10:58
761849015	KRA-GRL-EB-05	Water	01/28/26 13:15	01/29/26 10:58



761849016	KRA-GRL-EB-06	Water	01/28/26 16:35	01/29/26 10:58
761849017	KRA-GWB-5R	Ground Water	01/28/26 10:25	01/29/26 10:58
761849018	KRA-GWB-6R	Ground Water	01/28/26 12:20	01/29/26 10:58
761849019	KRA-GWC-2	Ground Water	01/28/26 14:33	01/29/26 10:58
761849020	KRA-GWC-9	Ground Water	01/28/26 09:40	01/29/26 10:58

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

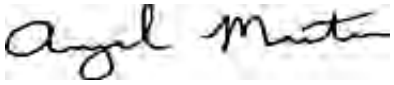
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	19-FEB-2026
EPA 903.1 Modified	18-FEB-2026
EPA 904.0/SW846 9320 Modified	16-FEB-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761849 GEL Work Order: 761849

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

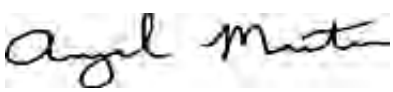
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-12
Sample ID: 761849001
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		2.61	+/-1.38	2.05	+/-1.54	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		3.45	+/-1.42	2.05	+/-1.58		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.832	+/-0.329	0.330	+/-0.355	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	86.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-13
Sample ID: 761849002
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.81	+/-1.20	1.82	+/-1.29	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.89	+/-1.24	1.82	+/-1.35		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.08	+/-0.313	0.234	+/-0.366	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	80	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-14
Sample ID: 761849003
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	-0.587	+/-0.710	1.53	+/-0.710	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.959	+/-0.801	1.53	+/-0.817		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.959	+/-0.371	0.369	+/-0.405	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	85	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-16
Sample ID: 761849004
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.69	+/-1.27	1.27	+/-1.78	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		6.52	+/-1.34	1.27	+/-1.86		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.83	+/-0.411	0.247	+/-0.533	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	85.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-17
Sample ID: 761849005
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.03	+/-1.21	2.04	+/-1.24	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.89	+/-1.28	2.04	+/-1.35		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.86	+/-0.429	0.264	+/-0.526	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	77.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-21
Sample ID: 761849006
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		3.52	+/-1.50	2.00	+/-1.77	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		7.44	+/-1.60	2.00	+/-2.07		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.92	+/-0.574	0.166	+/-1.08	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	82.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-22
Sample ID: 761849007
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.19	+/-1.45	1.78	+/-1.84	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		8.86	+/-1.58	1.78	+/-2.06		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		4.68	+/-0.625	0.165	+/-0.938	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	76.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-23D
Sample ID: 761849008
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.05	+/-1.66	2.87	+/-1.69	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.85	+/-1.69	2.87	+/-1.72		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.801	+/-0.316	0.318	+/-0.359	1.00	pCi/L			LB2	02/18/26	0751	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	73.1	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-24D
Sample ID: 761849009
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.157	+/-1.15	2.14	+/-1.15	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.718	+/-1.19	2.14	+/-1.19		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.561	+/-0.308	0.412	+/-0.334	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	80.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-MW-26D
Sample ID: 761849010
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.510	+/-0.776	1.35	+/-0.788	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.897	+/-0.800	1.35	+/-0.814		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.387	+/-0.195	0.174	+/-0.203	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	86.2	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-02
Sample ID: 761849011
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.53	+/-1.23	1.95	+/-1.29	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.91	+/-1.25	1.95	+/-1.32		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.385	+/-0.228	0.263	+/-0.239	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	86.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Address : 241 Ralph McGill Blvd NE
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Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FD-03
Sample ID: 761849012
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	-0.158	+/-0.913	1.79	+/-0.914	3.00	pCi/L			ST2	02/16/26	1045	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.737	+/-0.957	1.79	+/-0.965		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.737	+/-0.285	0.283	+/-0.311	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	80.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Report Date: February 26, 2026

Contact: Chris Tidwell

Project: Plant Kraft

Client Sample ID: KRA-GRL-FB-02
Sample ID: 761849013
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.956	+/-1.35	2.32	+/-1.38	3.00	pCi/L			ST2	02/16/26	1044	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.15	+/-1.37	2.32	+/-1.40		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.193	+/-0.235	0.397	+/-0.238	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	85.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-FB-03
Sample ID: 761849014
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.43	+/-1.30	2.10	+/-1.35	3.00	pCi/L			ST2	02/16/26	1207	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.79	+/-1.33	2.10	+/-1.38		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.356	+/-0.273	0.411	+/-0.279	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	75.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-05
Sample ID: 761849015
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.0763	+/-1.10	2.04	+/-1.10	3.00	pCi/L			ST2	02/16/26	1044	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	0.226	+/-1.11	2.04	+/-1.11		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.150	+/-0.156	0.230	+/-0.159	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	84.6	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GRL-EB-06
Sample ID: 761849016
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.08	+/-1.21	2.02	+/-1.24	3.00	pCi/L			ST2	02/16/26	1044	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum	U	1.30	+/-1.23	2.02	+/-1.27		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226	U	0.223	+/-0.223	0.360	+/-0.227	1.00	pCi/L			LB2	02/18/26	0823	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	75.7	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWB-5R
Sample ID: 761849017
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.993	+/-0.789	1.22	+/-0.832	3.00	pCi/L			ST2	02/16/26	1044	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		4.21	+/-0.999	1.22	+/-1.27		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		3.22	+/-0.613	0.396	+/-0.964	1.00	pCi/L			LB2	02/18/26	0856	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	83.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWB-6R
Sample ID: 761849018
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		4.34	+/-1.63	1.93	+/-2.00	3.00	pCi/L			ST2	02/16/26	1044	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		7.30	+/-1.71	1.93	+/-2.11		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		2.96	+/-0.498	0.164	+/-0.662	1.00	pCi/L			LB2	02/18/26	0856	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	71.9	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-2
Sample ID: 761849019
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228		1.79	+/-1.08	1.58	+/-1.18	3.00	pCi/L			ST2	02/16/26	1044	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.35	+/-1.11	1.58	+/-1.21		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		0.565	+/-0.253	0.206	+/-0.273	1.00	pCi/L			LB2	02/18/26	0856	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	83.8	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

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Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 26, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-GWC-9
Sample ID: 761849020
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	0.419	+/-0.884	1.60	+/-0.891	3.00	pCi/L			ST2	02/16/26	1044	2936896	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		1.67	+/-0.943	1.60	+/-0.978		pCi/L		1	NXL1	02/19/26	0716	2936985	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.25	+/-0.328	0.166	+/-0.402	1.00	pCi/L			LB2	02/18/26	0856	2937615	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936896	79.4	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Radiochemistry
Technical Case Narrative
Georgia Power Company
SDG #: 761849

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 46
Analytical Batch: 2936985

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761849001	KRA-GWC-12
761849002	KRA-GWC-13
761849003	KRA-GWC-14
761849004	KRA-GWC-16
761849005	KRA-GWC-17
761849006	KRA-GWC-21
761849007	KRA-GWC-22
761849008	KRA-MW-23D
761849009	KRA-MW-24D
761849010	KRA-MW-26D
761849011	KRA-GRL-FD-02
761849012	KRA-GRL-FD-03
761849013	KRA-GRL-FB-02
761849014	KRA-GRL-FB-03
761849015	KRA-GRL-EB-05
761849016	KRA-GRL-EB-06
761849017	KRA-GWB-5R
761849018	KRA-GWB-6R
761849019	KRA-GWC-2
761849020	KRA-GWC-9

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2936896

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761849001	KRA-GWC-12
761849002	KRA-GWC-13

761849003	KRA-GWC-14
761849004	KRA-GWC-16
761849005	KRA-GWC-17
761849006	KRA-GWC-21
761849007	KRA-GWC-22
761849008	KRA-MW-23D
761849009	KRA-MW-24D
761849010	KRA-MW-26D
761849011	KRA-GRL-FD-02
761849012	KRA-GRL-FD-03
761849013	KRA-GRL-FB-02
761849014	KRA-GRL-FB-03
761849015	KRA-GRL-EB-05
761849016	KRA-GRL-EB-06
761849017	KRA-GWB-5R
761849018	KRA-GWB-6R
761849019	KRA-GWC-2
761849020	KRA-GWC-9
1206365498	Method Blank (MB) **Batch 2936896**
1206365499	761849001(KRA-GWC-12) Sample Duplicate (DUP)
1206365500	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts
Sample 761849014 (KRA-GRL-FB-03) was recounted to verify sample results. Recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2937615

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761849001	KRA-GWC-12
761849002	KRA-GWC-13
761849003	KRA-GWC-14
761849004	KRA-GWC-16
761849005	KRA-GWC-17
761849006	KRA-GWC-21
761849007	KRA-GWC-22
761849008	KRA-MW-23D
761849009	KRA-MW-24D
761849010	KRA-MW-26D

761849011	KRA-GRL-FD-02
761849012	KRA-GRL-FD-03
761849013	KRA-GRL-FB-02
761849014	KRA-GRL-FB-03
761849015	KRA-GRL-EB-05
761849016	KRA-GRL-EB-06
761849017	KRA-GWB-5R
761849018	KRA-GWB-6R
761849019	KRA-GWC-2
761849020	KRA-GWC-9
1206366396	Method Blank (MB) **Batch 2937615**
1206366397	761849001(KRA-GWC-12) Sample Duplicate (DUP)
1206366398	761849001(KRA-GWC-12) Matrix Spike (MS)
1206366399	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206366398 (KRA-GWC-12MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
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QC Summary

Client : **Georgia Power, Southern Company**
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761849**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2936896										
QC1206365499 761849001 DUP										
Radium-228		2.61	U	1.41	pCi/L	22.6		(0% - 100%)	ST2	02/16/2610:44
Uncert:		+/-1.38		+/-1.27						
TPU:		+/-1.54		+/-1.32						
QC1206365500 LCS										
Radium-228	65.2			57.9	pCi/L		88.8	(75%-125%)	ST2	02/16/2610:44
Uncert:				+/-4.18						
TPU:				+/-16.2						
QC1206365498 MB										
Radium-228			U	1.18	pCi/L				ST2	02/16/2610:44
Uncert:				+/-0.972						
TPU:				+/-1.02						
Rad Ra-226										
Batch 2937615										
QC1206366397 761849001 DUP										
Radium-226		0.832		0.808	pCi/L	2.98		(0% - 100%)	LB2	02/18/2608:56
Uncert:		+/-0.329		+/-0.342						
TPU:		+/-0.355		+/-0.365						
QC1206366399 LCS										
Radium-226	54.2			52.8	pCi/L		97.4	(75%-125%)	LB2	02/18/2608:56
Uncert:				+/-2.16						
TPU:				+/-10.3						
QC1206366396 MB										
Radium-226			U	0.168	pCi/L				LB2	02/18/2608:56
Uncert:				+/-0.194						
TPU:				+/-0.197						
QC1206366398 761849001 MS										
Radium-226	128	0.832		99.7	pCi/L		77.3	(75%-125%)	LB2	02/18/2608:56
Uncert:		+/-0.329		+/-6.27						
TPU:		+/-0.355		+/-16.9						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

QC Summary

Workorder: **761849**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

1/29/26

761851 / 761852

761846 761849

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

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Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116

Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: J. Bernstein, C. Kilcullen, D. Johnson, J. Hug ACC

Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	<-- Preservative Type (6)
KRA- GWC-12	01-28-26	1600	G	N	WG			6	✓	✓	✓	
KRA- GWC-13	01-28-26	1417	G	N	WG			6	✓	✓	✓	
KRA- GWC-14	01-28-26	1537	G	N	WG			6	✓	✓	✓	
KRA- GWC-16	01-28-26	1117	G	N	WG			6	✓	✓	✓	
KRA- GWC-17	01-28-26	1515	G	N	WG			6	✓	✓	✓	
KRA- GWC-21	01-28-26	0957	G	N	WG			6	✓	✓	✓	
KRA- GWC-22	01-28-26	1240	G	N	WG			6	✓	✓	✓	
KRA- MW-23D	01-28-26	1151	G	N	WG			6	✓	✓	✓	
KRA- MW-24D	01-28-26	1234	G	N	WG			6	✓	✓	✓	
KRA- MW-26D	01-28-26	1305	G	N	WG			6	✓	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	1/29/26	1058	1 Ken	1.29.26	1058
2			2		
3			3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC

gel.com — Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: SB, CK, JM, DJ ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	Metals * EPA 6020, 6010, 7470	Radium 226 & 228 SW-846 9315, 9320	NI	NI	<-- Preservative Type (6)
KRA- GRL-FD-02	01-28-26	—	G	N	WG			6	✓	✓	✓			
KRA- GRL-FD-03	01-28-26	—	G	N	WG			6	✓	✓	✓			
KRA- GRL-FB-02	01-28-26	1200	G	N	WQ			6	✓	✓	✓			
KRA- GRL-FB-03	01-28-26	1450	G	N	WQ			6	✓	✓	✓			
KRA- GRL-EB-05	01-28-26	1315	G	N	WQ			6	✓	✓	✓			
KRA- GRL-EB-06	01-28-26	1635	G	N	WQ			6	✓	✓	✓			
KRA- GWB-5R	01-28-26	1025	G	N	WG			6	✓	✓	✓			
KRA- GWB-6R	01-28-26	1220	G	N	WG			6	✓	✓	✓			
KRA- GWC-2	01-28-26	1433	G	N	WG			6	✓	✓	✓			
KRA- GWC-9	01-28-26	0940	G	N	WG			6	✓	✓	✓			

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	1/29/26	1054	1	1.29.26	1058
2			2		
3			3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 1 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

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5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

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7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 761846 761849 | GEL PM: AMM

Received By: CLM | Date Received at GEL: 11/29/24

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	1°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	1°				
5	1°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-Clifton - Seep analysis: Metals, Radium 226 & 228, NH3, TKN, & If Preservation added, Lot#: Nitric: Sulfuric:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) Only received 1 metals container for each ID.
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) EPA 350.1, 351.2. Lot# for Nitric ~~to304~~ cum tube 624042 4BP
Sulfuric Lot# 20240813 28. Attempted to preserve the samples held for analysis: NH3 but all others did not.

PM (or PMA) review: Initials _____ Date _____

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 26 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2026-139
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 11, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761697

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 28, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761697001	KRA-GWA-7	Ground Water	01/27/26 10:35	01/28/26 11:08

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

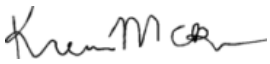
Method	Run Date ID
SW846 3005A	29-JAN-2026
SW846 7470A Prep	29-JAN-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
SW846 3005A/6020B	03-FEB-2026
SW846 7470A	30-JAN-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761697 GEL Work Order: 761697

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N Metals--The Matrix spike sample recovery is not within specified control limits

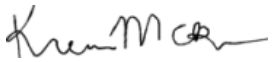
N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	761697001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 10:35		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Dissolved Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	01/30/26	1118	2936115	1
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Metals "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	RM4	02/03/26	1945	2935901	2
Arsenic	J	0.00377	0.00200	0.00500	mg/L	1.00	1					
Barium		0.213	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Calcium		3.95	0.0800	0.200	mg/L	1.00	1					
Chromium		0.0145	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00139	0.000300	0.00100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Molybdenum	J	0.000264	0.000200	0.00100	mg/L	1.00	1					
Selenium		0.00908	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium		0.146	0.00330	0.0200	mg/L	1.00	1					
Zinc	U	ND	0.00330	0.0200	mg/L	1.00	1					
Boron		10.6	1.04	3.00	mg/L	1.00	200	RM4	02/03/26	1210	2935901	3

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/29/26	1145	2936114
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	
2	SW846 3005A/6020B	
3	SW846 3005A/6020B	

Notes:

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	761697001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: February 11, 2026

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761697**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2935901											
QC1206363937 LCS											
Antimony	0.0500			0.0521	mg/L		104	(80%-120%)	RM4	02/03/26	19:09
Arsenic	0.0500			0.0532	mg/L		106	(80%-120%)			
Barium	0.0500			0.0526	mg/L		105	(80%-120%)			
Beryllium	0.0500			0.0623	mg/L		125*	(80%-120%)			
Boron	0.100			0.112	mg/L		112	(80%-120%)		02/03/26	12:08
Cadmium	0.0500			0.0551	mg/L		110	(80%-120%)		02/03/26	19:09
Calcium	2.00			2.30	mg/L		115	(80%-120%)			
Chromium	0.0500			0.0542	mg/L		108	(80%-120%)			
Cobalt	0.0500			0.0524	mg/L		105	(80%-120%)			
Lead	0.0500			0.0542	mg/L		108	(80%-120%)			
Lithium	0.0500			0.0579	mg/L		116	(80%-120%)			
Molybdenum	0.0500			0.0556	mg/L		111	(80%-120%)			

QC Summary

Workorder: **761697**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2935901										
Selenium	0.0500			0.0523	mg/L		105	(80%-120%)	RM4	02/03/26 19:09
Thallium	0.0500			0.0506	mg/L		101	(80%-120%)		
Vanadium	0.0500			0.0530	mg/L		106	(80%-120%)		
Zinc	0.0500			0.0546	mg/L		109	(80%-120%)		
QC1206363936 MB										
Antimony			U	ND	mg/L					02/03/26 19:06
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					02/03/26 12:07
Cadmium			U	ND	mg/L					02/03/26 19:06
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					
Cobalt			U	ND	mg/L					
Lead			U	ND	mg/L					

QC Summary

Workorder: **761697**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2935901											
Lithium				U	ND	mg/L				RM4	02/03/26 19:06
Molybdenum				U	ND	mg/L					
Selenium				U	ND	mg/L					
Thallium				U	ND	mg/L					
Vanadium				U	ND	mg/L					
Zinc				U	ND	mg/L					
QC1206363938 761697001 MS											
Antimony	0.0500	U	ND		0.0519	mg/L		103	(75%-125%)		02/03/26 19:48
Arsenic	0.0500	J	0.00377		0.0572	mg/L		107	(75%-125%)		
Barium	0.0500		0.213		0.268	mg/L		N/A	(75%-125%)		
Beryllium	0.0500	U	ND		0.0538	mg/L		107	(75%-125%)		
Boron	0.100		10.6		11.2	mg/L		N/A	(75%-125%)		02/03/26 12:12
Cadmium	0.0500	U	ND		0.0491	mg/L		98.1	(75%-125%)		02/03/26 19:48
Calcium	2.00		3.95		6.26	mg/L		116	(75%-125%)		
Chromium	0.0500		0.0145		0.0651	mg/L		101	(75%-125%)		

QC Summary

Workorder: **761697**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2935901											
Cobalt	0.0500		0.00139		0.0498	mg/L		96.9	(75%-125%)	RM4	02/03/26 19:48
Lead	0.0500	U	ND		0.0481	mg/L		96	(75%-125%)		
Lithium	0.0500	U	ND		0.0537	mg/L		107	(75%-125%)		
Molybdenum	0.0500	J	0.000264		0.0604	mg/L		120	(75%-125%)		
Selenium	0.0500		0.00908		0.0587	mg/L		99.3	(75%-125%)		
Thallium	0.0500	U	ND		0.0482	mg/L		96.4	(75%-125%)		
Vanadium	0.0500		0.146		0.202	mg/L		111	(75%-125%)		
Zinc	0.0500	U	ND		0.0480	mg/L		91.8	(75%-125%)		
QC1206363939 761697001 MSD											
Antimony	0.0500	U	ND		0.0527	mg/L	1.48	105	(0%-20%)		02/03/26 19:51
Arsenic	0.0500	J	0.00377		0.0579	mg/L	1.34	108	(0%-20%)		
Barium	0.0500		0.213		0.266	mg/L	0.853	N/A	(0%-20%)		
Beryllium	0.0500	U	ND		0.0541	mg/L	0.634	108	(0%-20%)		
Boron	0.100		10.6		10.8	mg/L	3.28	N/A	(0%-20%)		02/03/26 12:13
Cadmium	0.0500	U	ND		0.0488	mg/L	0.47	97.6	(0%-20%)		02/03/26 19:51

QC Summary

Workorder: **761697**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2935901											
Calcium	2.00		3.95		6.28	mg/L	0.338	117	(0%-20%)	RM4	02/03/26 19:51
Chromium	0.0500		0.0145		0.0661	mg/L	1.46	103	(0%-20%)		
Cobalt	0.0500		0.00139		0.0505	mg/L	1.31	98.2	(0%-20%)		
Lead	0.0500	U	ND		0.0484	mg/L	0.665	96.7	(0%-20%)		
Lithium	0.0500	U	ND		0.0529	mg/L	1.51	105	(0%-20%)		
Molybdenum	0.0500	J	0.000264		0.0603	mg/L	0.0762	120	(0%-20%)		
Selenium	0.0500		0.00908		0.0581	mg/L	1.08	98.1	(0%-20%)		
Thallium	0.0500	U	ND		0.0486	mg/L	0.703	97.1	(0%-20%)		
Vanadium	0.0500		0.146		0.201	mg/L	0.289	110	(0%-20%)		
Zinc	0.0500	U	ND		0.0493	mg/L	2.54	94.3	(0%-20%)		
QC1206363941 761697001 SDILT											
Antimony		U	ND	U	ND	ug/L	N/A		(0%-20%)		02/03/26 19:56
Arsenic		J	3.77	U	ND	ug/L	N/A		(0%-20%)		
Barium			213		41.8	ug/L	2.05		(0%-20%)		
Beryllium		U	ND	U	ND	ug/L	N/A		(0%-20%)		

QC Summary

Workorder: **761697**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2935901										
Boron		52.9	J	11.2	ug/L	5.83		(0%-20%)	RM4	02/03/26 12:17
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/03/26 19:56
Calcium		3950		799	ug/L	1.25		(0%-20%)		
Chromium		14.5	U	ND	ug/L	N/A		(0%-20%)		
Cobalt		1.39	U	ND	ug/L	N/A		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Molybdenum	J	0.264	U	ND	ug/L	N/A		(0%-20%)		
Selenium		9.08	J	2.02	ug/L	11.4		(0%-20%)		
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Vanadium		146		29.5	ug/L	.635		(0%-20%)		
Zinc	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2936115										
QC1206364263 761697001 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	01/30/26 11:23

QC Summary

Workorder: **761697**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-Mercury										
Batch 2936115										
QC1206364262 LCS										
Mercury	0.00200			0.00207	mg/L		103	(80%-120%)	JP2	01/30/26 11:17
QC1206364261 MB										
Mercury			U	ND	mg/L					01/30/26 11:15
QC1206364264 761697001 MS										
Mercury	0.00200	U	ND	0.00142	mg/L		70.2*	(75%-125%)		01/30/26 11:25
QC1206364265 761697001 PS										
Mercury	2.00	U	ND	1.47	ug/L		73*	(80%-120%)		01/30/26 11:27

Notes:

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J J Value is estimated

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals
Technical Case Narrative
Georgia Power Company
SDG #: 761697

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2935901

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2935899

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761697001	KRA-GWA-7
1206363936	Method Blank (MB)**ICP-MS Batch 2935901**
1206363937	Laboratory Control Sample (LCS)
1206363941	761697001(KRA-GWA-7L) Serial Dilution (SD)
1206363938	761697001(KRA-GWA-7S) Matrix Spike (MS)
1206363939	761697001(KRA-GWA-7SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

CRDL/PQL Requirements
The CRDL standard recoveries for SW846 6020B met the advisory control limits with the exception of beryllium and calcium. Client sample concentrations were less than the MDL and greater than two times the CRDL; therefore the data were not adversely affected. 761697001 (KRA-GWA-7).

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Continuing Calibration Blanks (CCB) Requirements
All continuing calibration blanks(CCB) bracketing the sample in this SDG did not meet the acceptance criteria. The samples bracketed by this CCB, however, contained the element with a concentration at least ten times greater than the concentration in the CCB. This indicates that any contribution to the concentration of these elements in the samples from potential laboratory contamination would be minimal.

Quality Control (QC) Information

Laboratory Control Sample (LCS) Recovery
The analytes noted below recovered slightly high in the laboratory control sample (LCS), however, the sample in this SDG did not contain those analytes above the MDL, therefore the implied high bias did not adversely affect the

results.

Sample	Analyte	Value
1206363937 (LCS)	Beryllium	125* (80%-120%)

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Sample 761697001 (KRA-GWA-7) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	761697 001
Boron	200X
Sodium	40X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2936115

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2936114

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761697001	KRA-GWA-7
1206364261	Method Blank (MB)**CVAA Batch 2936115**
1206364262	Laboratory Control Sample (LCS)
1206364263	761697001(KRA-GWA-7D) Sample Duplicate (DUP)
1206364264	761697001(KRA-GWA-7S) Matrix Spike (MS)
1206364265	761697001(KRA-GWA-7PS) Post Spike (PS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Matrix Spike (MS/MSD) Recovery Statement
The percent recoveries (%R) obtained from the MS/MSD analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The MS/MSD (See Below) did not meet the recommended quality control acceptance criteria for percent recoveries for the following applicable analyte. The post spike also did not meet the required control limits; thus, confirming matrix interferences and/or sample non-homogeneity.

Sample	Analyte	Value
1206364264 (KRA-GWA-7MS)	Mercury	70.2* (75%-125%)

Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the PS analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The PS did not meet the recommended quality control acceptance criteria for percent recoveries for all applicable analytes and verifies the presence of matrix interferences.

Sample	Analyte	Value
1206364265 (KRA-GWA-7PS)	Mercury	73* (80%-120%)

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

761697
Chain of Custody and Analytical Request

GEL Work Order Number: ***GEL Project Manager: Abagail Martin***

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID *For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	NI Dissolved Metals * EPA 6020, 6010, 7470	<-- Preservative Type (6)
KRA- 6WA-7	01-27-26	1635	G	Y	WG			1	✓	field-filtered

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		1/28/26	0916		1-27-26	9:16
2		1-28-26	11:08		1/28/26	11:08
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Hg**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 4 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	**SDG/AR/COC/Work Order:** 761697	**GEL PM:** AM
Received By: Joel Boatwright	**Date Received at GEL:** 1.28-26	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR3-25 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2				
Cooler 2	1				
Cooler 3	4				
Cooler 4	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials YJ Date 01/29/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 11 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

February 13, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761707

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 28, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761707001	KRA-GWC-20	Ground Water	01/27/26 13:20	01/28/26 11:08
761707002	KRA-GWC-20	Ground Water	01/27/26 13:20	01/28/26 11:08

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
SW846 3005A	06-FEB-2026
SW846 3005A	29-JAN-2026
SW846 7470A Prep	12-FEB-2026
SW846 7470A Prep	29-JAN-2026

Analysis Methods and Analysis Dates

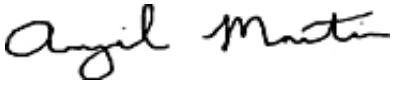
Method	Run Date ID
EPA 300.0	28-JAN-2026
SM 5310 B	29-JAN-2026
SW846 3005A/6010D	09-FEB-2026
SW846 3005A/6010D	29-JAN-2026



SW846	3005A/6020B	03-FEB-2026
SW846	3005A/6020B	13-FEB-2026
SW846	7470A	13-FEB-2026
SW846	7470A	30-JAN-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761707 GEL Work Order: 761707

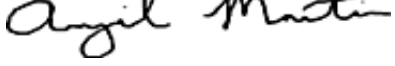
The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a Tracer compound
** Analyte is a surrogate compound
B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL
J Value is estimated
N Metals--The Matrix spike sample recovery is not within specified control limits
U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 13, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	761707001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 13:20		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Carbon Analysis												
SM 5310 B Total Organic Carbon "As Received"												
Total Organic Carbon Average		118	3.30	10.0	mg/L		10	KB3	01/29/26	2035	2936197	1
Ion Chromatography												
EPA 300.0 Nitrate/Nitrite, Liquid "As Received"												
Nitrate-N	U	ND	0.165	0.500	mg/L		5	CH6	01/28/26	1353	2935804	2
Nitrite-N	U	ND	0.165	0.500	mg/L		5					
Metals Analysis-ICP												
SW846 3005/6010 Silicon/Silica "As Received"												
Silica		2.35	0.0530	0.213	mg/L	1.00	1	HS2	02/09/26	1025	2941748	3
Silicon		1.09	0.0250	0.100	mg/L	1.00	1					

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	SW846 3005A for 6010D	JB7	02/06/26	1510	2941747

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SM 5310 B	
2	EPA 300.0	
3	SW846 3005A/6010D	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	761707002	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 13:20		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 o-Phosphate (PO4) "As Received"												
O-Phosphate as P	U	ND	0.335	1.00	mg/L		5	CH6	01/28/26	1353	2935804	1
Mercury Analysis-CVAA												
7470 Cold Vapor Dissolved Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/13/26	0932	2944549	2
Metals Analysis-ICP-MS												
SW846 3005A/6020B Dissolved Metals 22 "As Received"												
Aluminum		0.0971	0.0193	0.0500	mg/L	1.00	1	BB2	02/13/26	0046	2941447	3
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1					
Arsenic		0.290	0.00200	0.00500	mg/L	1.00	1					
Barium		0.293	0.000670	0.00400	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	J	0.000351	0.000300	0.00100	mg/L	1.00	1					
Chromium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Cobalt	U	ND	0.000300	0.00100	mg/L	1.00	1					
Iron		1.45	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium	U	ND	0.00300	0.0100	mg/L	1.00	1					
Manganese		0.155	0.00100	0.00500	mg/L	1.00	1					
Potassium		37.9	0.0800	0.300	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Magnesium		176	1.00	3.00	mg/L	1.00	5	BB2	02/13/26	0030	2941447	4
Sodium		81.6	8.00	25.0	mg/L	1.00	5					
Calcium		260	1.60	4.00	mg/L	1.00	20	BB2	02/13/26	0014	2941447	5
Molybdenum		0.626	0.00400	0.0200	mg/L	1.00	20					
Boron		16.0	0.0260	0.0750	mg/L	1.00	100	BB2	02/13/26	0002	2941447	6

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	02/12/26	1330	2944548
SW846 3005A	ICP-MS 3005A PREP	JB7	02/06/26	1510	2941446

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Report Date: February 13, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	761707002	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	SW846 7470A	
3	SW846 3005A/6020B	
4	SW846 3005A/6020B	
5	SW846 3005A/6020B	
6	SW846 3005A/6020B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

QC Summary

Report Date: February 13, 2026

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Carbon Analysis										
Batch 2936197										
QC1206364377 761754002 DUP										
Total Organic Carbon Average		5.05		5.08	mg/L	0.434		(0%-20%)	KB3	01/29/26 17:14
QC1206364376 LCS										
Total Organic Carbon Average	10.0			10.2	mg/L		102	(80%-120%)		01/29/26 16:15
QC1206364375 MB										
Total Organic Carbon Average			U	ND	mg/L					01/29/26 15:59
QC1206364378 761754002 MS										
Total Organic Carbon Average	10.0	5.05		15.6	mg/L		105	(85%-115%)		01/29/26 17:30
Ion Chromatography										
Batch 2935804										
QC1206363842 761707001 DUP										
Nitrate-N	U	ND	U	ND	mg/L	N/A			CH6	01/28/26 14:23
Nitrite-N	U	ND	U	ND	mg/L	N/A				
O-Phosphate as P	U	ND	U	ND	mg/L	N/A				
QC1206363839 LCS										
Nitrate-N	2.50			2.31	mg/L		92.5	(90%-110%)		01/28/26 09:58
Nitrite-N	2.50			2.38	mg/L		95.1	(90%-110%)		
O-Phosphate as P	2.50			2.40	mg/L		95.8	(90%-110%)		

QC Summary

Workorder: **761707**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography											
Batch 2935804											
QC1206363838 MB											
Nitrate-N				U	ND	mg/L				CH6	01/28/26 09:28
Nitrite-N				U	ND	mg/L					
O-Phosphate as P				U	ND	mg/L					
QC1206363843 761707001 MS											
Nitrate-N	12.5	U	ND		11.5	mg/L		91.8	(90%-110%)		01/28/26 14:54
Nitrite-N	12.5	U	ND		12.0	mg/L		96	(90%-110%)		
O-Phosphate as P	12.5	U	ND		11.4	mg/L		91.3	(90%-110%)		
Metals Analysis - ICPMS											
Batch 2941447											
QC1206372521 LCS											
Aluminum	2.00				2.02	mg/L		101	(80%-120%)	BB2	02/12/26 23:43
Antimony	0.0500				0.0507	mg/L		101	(80%-120%)		
Arsenic	0.0500				0.0514	mg/L		103	(80%-120%)		
Barium	0.0500				0.0519	mg/L		104	(80%-120%)		
Beryllium	0.0500				0.0593	mg/L		119	(80%-120%)		
Boron	0.100				0.105	mg/L		105	(80%-120%)		
Cadmium	0.0500				0.0529	mg/L		106	(80%-120%)		

QC Summary

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2941447										
Calcium	2.00			2.19	mg/L		110	(80%-120%)	BB2	02/12/26 23:43
Chromium	0.0500			0.0528	mg/L		106	(80%-120%)		
Cobalt	0.0500			0.0513	mg/L		103	(80%-120%)		
Iron	2.00			2.08	mg/L		104	(80%-120%)		
Lead	0.0500			0.0515	mg/L		103	(80%-120%)		
Lithium	0.0500			0.0552	mg/L		110	(80%-120%)		
Magnesium	2.00			2.05	mg/L		102	(80%-120%)		
Manganese	0.0500			0.0518	mg/L		104	(80%-120%)		
Molybdenum	0.0500			0.0519	mg/L		104	(80%-120%)		
Potassium	2.00			2.05	mg/L		103	(80%-120%)		
Selenium	0.0500			0.0517	mg/L		103	(80%-120%)		
Sodium	2.00			2.05	mg/L		102	(80%-120%)		
Thallium	0.0500			0.0498	mg/L		99.6	(80%-120%)		
QC1206373107 LCSD										
Aluminum	2.00			2.06	mg/L	2.13	103	(0%-20%)		02/12/26 23:46

QC Summary

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2941447										
Antimony	0.0500			0.0509	mg/L	0.347	102	(0%-20%)	BB2	02/12/26 23:46
Arsenic	0.0500			0.0510	mg/L	0.73	102	(0%-20%)		
Barium	0.0500			0.0521	mg/L	0.365	104	(0%-20%)		
Beryllium	0.0500			0.0609	mg/L	2.65	122*	(0%-20%)		
Boron	0.100			0.109	mg/L	3.6	109	(0%-20%)		
Cadmium	0.0500			0.0520	mg/L	1.72	104	(0%-20%)		
Calcium	2.00			2.20	mg/L	0.23	110	(0%-20%)		
Chromium	0.0500			0.0530	mg/L	0.233	106	(0%-20%)		
Cobalt	0.0500			0.0518	mg/L	1.05	104	(0%-20%)		
Iron	2.00			2.10	mg/L	1.15	105	(0%-20%)		
Lead	0.0500			0.0515	mg/L	0.116	103	(0%-20%)		
Lithium	0.0500			0.0562	mg/L	1.85	112	(0%-20%)		
Magnesium	2.00			2.10	mg/L	2.6	105	(0%-20%)		
Manganese	0.0500			0.0520	mg/L	0.289	104	(0%-20%)		

QC Summary

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2941447										
Molybdenum	0.0500			0.0511	mg/L	1.58	102	(0%-20%)	BB2	02/12/26 23:46
Potassium	2.00			2.08	mg/L	1.07	104	(0%-20%)		
Selenium	0.0500			0.0506	mg/L	2.3	101	(0%-20%)		
Sodium	2.00			2.07	mg/L	1.32	104	(0%-20%)		
Thallium	0.0500			0.0497	mg/L	0.219	99.4	(0%-20%)		
QC1206372520 MB										
Aluminum			U	ND	mg/L					02/12/26 23:40
Antimony			U	ND	mg/L					
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					
Cadmium			U	ND	mg/L					
Calcium			U	ND	mg/L					
Chromium			U	ND	mg/L					

QC Summary

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2941447										
Cobalt			U	ND	mg/L				BB2	02/12/26 23:40
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Potassium			U	ND	mg/L					
Selenium			U	ND	mg/L					
Sodium			U	ND	mg/L					
Thallium			U	ND	mg/L					
QC1206372525 761707002 SDILT										
Aluminum		97.1	J	20.7	ug/L	6.4		(0%-20%)		02/13/26 00:49
Antimony	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Arsenic		290		55.3	ug/L	4.42		(0%-20%)		

QC Summary

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2941447										
Barium		293		57.2	ug/L	2.47		(0%-20%)	BB2	02/13/26 00:49
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron		158		33.2	ug/L			(0%-20%)		02/13/26 00:05
Cadmium	J	0.351	U	ND	ug/L	N/A		(0%-20%)		02/13/26 00:49
Calcium		2610		2620	ug/L			(0%-20%)		02/13/26 00:17
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/13/26 00:49
Cobalt	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Iron		1450		294	ug/L	1.75		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		1760		7310	ug/L			(0%-20%)		02/13/26 00:33
Manganese		155		32.5	ug/L	4.58		(0%-20%)		02/13/26 00:49
Molybdenum		6.15		6.33	ug/L			(0%-20%)		02/13/26 00:17
Potassium		37900		7210	ug/L	4.85		(0%-20%)		02/13/26 00:49

QC Summary

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2941447										
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)	BB2	02/13/26 00:49
Sodium		816		3560	ug/L			(0%-20%)		02/13/26 00:33
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/13/26 00:49
Metals Analysis-ICP										
Batch 2941748										
QC1206373073 761707001 DUP										
Silica		2.35		2.50	mg/L	6.2		(0%-20%)	HS2	02/09/26 10:28
Silicon		1.09		1.16	mg/L	6.22		(0%-20%)		
QC1206373072 LCS										
Silica	10.7			9.96	mg/L		93.1	(80%-120%)		02/09/26 10:23
Silicon	5.00			4.59	mg/L		91.9	(80%-120%)		
QC1206373071 MB										
Silica			U	ND	mg/L					02/09/26 10:20
Silicon			U	ND	mg/L					
QC1206373074 761707001 MS										
Silica	10.7	2.35		12.7	mg/L		96.9	(75%-125%)		02/09/26 10:31
Silicon	5.00	1.09		5.89	mg/L		96	(75%-125%)		
QC1206373075 761707001 SDILT										
Silica		2350		536	ug/L	14.2		(0%-20%)		02/09/26 10:34

QC Summary

Workorder: **761707**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis-ICP										
Batch 2941748										
Silicon		1090		246	ug/L	12.7		(0%-20%)	HS2	02/09/26 10:34
Metals Analysis-Mercury										
Batch 2944549										
QC1206377525 763638005 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	02/13/26 10:03
QC1206377521 LCS										
Mercury	0.00200			0.00194	mg/L		97.2	(80%-120%)		02/13/26 09:30
QC1206377520 MB										
Mercury			U	ND	mg/L					02/13/26 09:28
QC1206377526 763638005 MS										
Mercury	0.00200	U	ND	0.00192	mg/L		96.2	(75%-125%)		02/13/26 10:05

Notes:

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J J Value is estimated

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP**
Analytical Method: SW846 3005A/6010D
Analytical Procedure: GL-MA-E-013 REV# 34
Analytical Batch: 2941748

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2941747

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761707001	KRA-GWC-20
1206373071	Method Blank (MB)**ICP Batch 2941748**
1206373072	Laboratory Control Sample (LCS)
1206373075	761707001(KRA-GWC-20L) Serial Dilution (SD)
1206373073	761707001(KRA-GWC-20D) Sample Duplicate (DUP)
1206373074	761707001(KRA-GWC-20S) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2941447

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2941446

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761707002	KRA-GWC-20
1206372520	Method Blank (MB)**ICP-MS Batch 2941447**
1206372521	Laboratory Control Sample (LCS)
1206373107	Laboratory Control Sample Duplicate (LCSD)
1206372525	761707002(KRA-GWC-20L) Serial Dilution (SD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Quality Control (QC) Information

Laboratory Control Sample Duplicate (LCSD)
An LCSD was used in place of matrix QC due to limited sample volume.

Laboratory Control Sample (LCS) Recovery
The analytes noted below recovered slightly high in the laboratory control sample (LCS), however, the sample in this SDG did not contain those analytes above the MDL, therefore the implied high bias did not adversely affect the results.

Sample	Analyte	Value
1206373107 (LCSD)	Beryllium	122* (80%-120%)

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	761707
	002
Boron	100X
Calcium	20X
Magnesium	5X
Molybdenum	20X
Sodium	5X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2944549

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42

Preparation Batch: 2944548

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761707002	KRA-GWC-20
1206377520	Method Blank (MB)**CVAA Batch 2944549**
1206377521	Laboratory Control Sample (LCS)
1206377525	763638005(NonSDGD) Sample Duplicate (DUP)
1206377526	763638005(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Carbon, Total Organic**
Analytical Method: SM 5310 B
Analytical Procedure: GL-GC-E-093 REV# 23
Analytical Batch: 2936197

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761707001	KRA-GWC-20
1206364375	Method Blank (MB) **Batch 2936197**
1206364376	Laboratory Control Sample (LCS)
1206364377	761754002(NonSDG) Sample Duplicate (DUP)
1206364378	761754002(NonSDG) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following sample 761707001 (KRA-GWC-20) was diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	761707 001
Total Organic Carbon Average	10X

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2935804

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761707001	KRA-GWC-20
761707002	KRA-GWC-20
1206363838	Method Blank (MB) **Batch 2935804**
1206363839	Laboratory Control Sample (LCS)
1206363842	761707001(KRA-GWC-20) Sample Duplicate (DUP)
1206363843	761707001(KRA-GWC-20) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions

Samples 1206363842 (KRA-GWC-20DUP), 1206363843 (KRA-GWC-20MS), 761707001 (KRA-GWC-20) and 761707002 (KRA-GWC-20) were diluted to minimize matrix effects on instrument performance.
Samples 1206363842 (KRA-GWC-20DUP), 1206363843 (KRA-GWC-20MS), 761707001 (KRA-GWC-20) and 761707002 (KRA-GWC-20) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	761707	
	001	002
Nitrate-N	5X	
Nitrite-N	5X	
O-Phosphate as P		5X

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project # GPCC00125
GEL Quote #: GELP22-0819
COC Number [1]:
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

761707

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power Phone # 404-316-7524
Project/Site Name: Plant Kraft - Grumman Road Landfill Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: ACC Send Results To: Chris Tidwell - SCS&ACC Contacts

Sample Analysis Requested [5] (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code [2]	Field Filtered [3]	Sample Matrix [4]	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Nitrate-Nitrite EPA 300	NI Silica EPA 6020, 6010	NI Dissolved Metals * EPA 6020, 6010, 7470	Orthophosphate SM 4500P-E	TOC SM 5310B	<-- Preservative Type (6)
KRA-GWC-20	01-27-26	1320	G	Y	2 bot WG			7	✓	✓	✓	✓	✓	Dissolved metals and orthophosphate containers field-filtered

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		1/28/26	0916		1-28-26	9:16AM
2		1-28-26	1108		1/28/26	1108
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Dissolved Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Sc,Tl,Al,Fe,Mg,Mn,K,Si,Na,Hg

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No ***Cooler Temp:*** 4 °C

> ***For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)***

Sample Collection Time Zone : [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC	SDG/AR/COC/Work Order: 761707	GEL PM: AM
Received By: Joel Boatwright	Date Received at GEL: 1.28.26	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR3-25 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2				
Cooler 2	1				
Cooler 3	2				
Cooler 4	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials YJ Date 01/29/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 13 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 12, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761851

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 29, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761851001	KRA-CLIFTON-SEEP	Ground Water	01/28/26 16:07	01/29/26 10:58

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

Method	Run Date ID
EPA 351.2 Prep	02-FEB-2026
SW846 3005A	02-FEB-2026
SW846 7470A Prep	30-JAN-2026

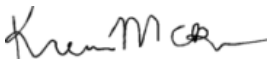
Analysis Methods and Analysis Dates

Method	Run Date ID
EPA 300.0	29-JAN-2026
EPA 300.0	30-JAN-2026
EPA 350.1	02-FEB-2026
EPA 351.2	03-FEB-2026
SM 2320B	11-FEB-2026
SM 2540C	02-FEB-2026

SM 5310 B	29-JAN-2026
SM 5310 B	30-JAN-2026
SOP RSK 175 Modified	02-FEB-2026
SW846 3005A/6020B	10-FEB-2026
SW846 7470A	02-FEB-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761851 GEL Work Order: 761851

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

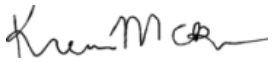
N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-CLIFTON-SEEP	Project:	GPCC00125
Sample ID:	761851001	Client ID:	GPCC004
Matrix:	WL		
Collect Date:	28-JAN-26 16:07		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Carbon Analysis												
SM 5310 B Total Organic Carbon "As Received"												
Total Organic Carbon Average		128	26.4	80.0	mg/L		80	KB3	01/30/26	1308	2936197	1
GC-FID												
RSK 175 Modified Dissolved Methane "As Received"												
Methane		8950	1000	2500	ug/L		100	LOF	02/02/26	1926	2935821	2
Ion Chromatography												
EPA 300.0 Anions Liquid "As Received"												
Sulfate		1.27	0.133	0.400	mg/L		1	CH6	01/29/26	1712	2936452	3
Fluoride		1.08	0.165	0.500	mg/L		5	CH6	01/29/26	2041	2936452	4
Nitrate-N	U	ND	0.165	0.500	mg/L		5					
Chloride		190	3.35	10.0	mg/L		50	CH6	01/30/26	0044	2936452	5
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0000670	0.000200	mg/L	1.00	1	JP2	02/02/26	1046	2936570	6
Metals Analysis-ICP-MS												
SW846 3005A/6020B Clifton Seep "As Received"												
Antimony	U	ND	0.00100	0.00300	mg/L	1.00	1	PRB	02/10/26	2122	2936484	7
Arsenic	J	0.00232	0.00200	0.00500	mg/L	1.00	1					
Beryllium	U	ND	0.000200	0.000500	mg/L	1.00	1					
Cadmium	U	ND	0.000300	0.00100	mg/L	1.00	1					
Chromium		0.0143	0.00300	0.0100	mg/L	1.00	1					
Cobalt		0.00349	0.000300	0.00100	mg/L	1.00	1					
Iron		8.74	0.0330	0.100	mg/L	1.00	1					
Lead	U	ND	0.000500	0.00200	mg/L	1.00	1					
Lithium		0.655	0.00300	0.0100	mg/L	1.00	1					
Manganese		0.201	0.00100	0.00500	mg/L	1.00	1					
Molybdenum	J	0.000986	0.000200	0.00100	mg/L	1.00	1					
Selenium	U	ND	0.00150	0.00500	mg/L	1.00	1					
Thallium	U	ND	0.000600	0.00200	mg/L	1.00	1					
Vanadium	J	0.00495	0.00330	0.0200	mg/L	1.00	1					
Zinc	J	0.00361	0.00330	0.0200	mg/L	1.00	1					
Barium		1.35	0.0134	0.0800	mg/L	1.00	20	PRB	02/10/26	2125	2936484	8
Calcium		97.5	1.60	4.00	mg/L	1.00	20					
Magnesium		75.7	0.200	0.600	mg/L	1.00	20					
Potassium		154	1.60	6.00	mg/L	1.00	20					

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308
Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-CLIFTON-SEEP
Sample ID: 761851001
Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B Clifton Seep "As Received"												
Sodium		1150	8.00	25.0	mg/L	1.00	100	PRB	02/10/26	2128	2936484	9
Boron		52.4	2.08	6.00	mg/L	1.00	400	PRB	02/10/26	1318	2936484	10
Nutrient Analysis												
EPA 350.1 Nitrogen, Ammonia "As Received"												
Nitrogen, Ammonia		45.2	1.70	5.00	mg/L		100	JLD1	02/02/26	1225	2937838	11
EPA 351.2, Nitrogen, Total Kjeldahl (TKN) "As Received"												
Nitrogen, Total Kjeldahl		42.0	1.32	4.00	mg/L	4.00	10	JLD1	02/03/26	1048	2935190	12
Solids Analysis												
SM2540C Dissolved Solids "As Received"												
Total Dissolved Solids		3880	2.38	10.0	mg/L			SC1	02/02/26	1312	2937858	13
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		3010	7.25	20.0	mg/L			BR2	02/11/26	1704	2942482	14
Bicarbonate alkalinity (CaCO3)		3010	7.25	20.0	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	7.25	20.0	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	HC1	01/30/26	1415	2936567
EPA 351.2 Prep	EPA 351.2 Total Kjeldahl Nitrogen Prep	AXH3	02/02/26	1335	2935189

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-CLIFTON-SEEP	Project:	GPCC00125
Sample ID:	761851001	Client ID:	GPCC004

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SM 5310 B	
2	SOP RSK 175 Modified	
3	EPA 300.0	
4	EPA 300.0	
5	EPA 300.0	
6	SW846 7470A	
7	SW846 3005A/6020B	
8	SW846 3005A/6020B	
9	SW846 3005A/6020B	
10	SW846 3005A/6020B	
11	EPA 350.1	
12	EPA 351.2	
13	SM 2540C	
14	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: February 12, 2026

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761851**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date	Time
Carbon Analysis												
Batch 2936197												
QC1206364377 761754002 DUP												
Total Organic Carbon Average		5.05		5.08	mg/L	0.434			(0%-20%)	KB3	01/29/26	17:14
QC1206364376 LCS												
Total Organic Carbon Average	10.0			10.2	mg/L			102	(80%-120%)		01/29/26	16:15
QC1206364375 MB												
Total Organic Carbon Average			U	ND	mg/L						01/29/26	15:59
QC1206364378 761754002 MS												
Total Organic Carbon Average	10.0	5.05		15.6	mg/L			105	(85%-115%)		01/29/26	17:30
GC-FID												
Batch 2935821												
QC1206365663 761851001 DUP												
Methane		8950		9000	ug/L	1	^		(+/-2500)	LOF	02/02/26	19:38
QC1206363856 LCS												
Methane	100			100	ug/L			100	(71%-126%)		02/02/26	16:26
QC1206363855 MB												
Methane			U	ND	ug/L						02/02/26	16:14
Ion Chromatography												
Batch 2936452												
QC1206364716 761851001 DUP												
Chloride		190		189	mg/L	0.177			(0%-20%)	CH6	01/30/26	01:02
Fluoride		1.08		1.08	mg/L	0.0463	^		(+/-0.500)		01/29/26	20:58

QC Summary

Workorder: **761851**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2936452												
Nitrate-N		U	ND	U	ND	mg/L	N/A				CH6	01/29/26 20:58
Sulfate			1.27		1.11	mg/L	13	^		(+/-0.400)		01/29/26 17:30
QC1206364715 LCS												
Chloride	5.00				4.68	mg/L			93.6	(90%-110%)		01/29/26 15:28
Fluoride	2.50				2.46	mg/L			98.5	(90%-110%)		
Nitrate-N	2.50				2.34	mg/L			93.6	(90%-110%)		
Sulfate	10.0				9.70	mg/L			97	(90%-110%)		
QC1206364714 MB												
Chloride				U	ND	mg/L						01/29/26 15:11
Fluoride				U	ND	mg/L						
Nitrate-N				U	ND	mg/L						
Sulfate				U	ND	mg/L						
QC1206364717 761851001 MS												
Chloride	250		190		443	mg/L			102	(90%-110%)		01/30/26 01:19
Fluoride	12.5		1.08		13.1	mg/L			96	(90%-110%)		01/29/26 21:16
Nitrate-N	12.5	U	ND		11.6	mg/L			92.5	(90%-110%)		
Sulfate	10.0		1.27		10.6	mg/L			93.5	(90%-110%)		01/29/26 17:47

QC Summary

Workorder: **761851**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936484										
QC1206364752 LCS										
Antimony	0.0500			0.0503	mg/L		101	(80%-120%)	PRB	02/10/26 19:31
Arsenic	0.0500			0.0506	mg/L		101	(80%-120%)		
Barium	0.0500			0.0518	mg/L		104	(80%-120%)		
Beryllium	0.0500			0.0572	mg/L		114	(80%-120%)		
Boron	0.100			0.114	mg/L		114	(80%-120%)		02/10/26 13:11
Cadmium	0.0500			0.0508	mg/L		102	(80%-120%)		02/10/26 19:31
Calcium	2.00			2.17	mg/L		109	(80%-120%)		
Chromium	0.0500			0.0521	mg/L		104	(80%-120%)		
Cobalt	0.0500			0.0518	mg/L		104	(80%-120%)		
Iron	2.00			2.08	mg/L		104	(80%-120%)		
Lead	0.0500			0.0523	mg/L		105	(80%-120%)		
Lithium	0.0500			0.0550	mg/L		110	(80%-120%)		
Magnesium	2.00			2.04	mg/L		102	(80%-120%)		
Manganese	0.0500			0.0514	mg/L		103	(80%-120%)		

QC Summary

Workorder: **761851**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936484										
Molybdenum	0.0500			0.0524	mg/L		105	(80%-120%)	PRB	02/10/26 19:31
Potassium	2.00			1.94	mg/L		97.2	(80%-120%)		
Selenium	0.0500			0.0496	mg/L		99.3	(80%-120%)		
Sodium	2.00			2.00	mg/L		100	(80%-120%)		
Thallium	0.0500			0.0495	mg/L		99	(80%-120%)		
Vanadium	0.0500			0.0524	mg/L		105	(80%-120%)		
Zinc	0.0500			0.0516	mg/L		103	(80%-120%)		
QC1206364751 MB										
Antimony			U	ND	mg/L					02/10/26 19:23
Arsenic			U	ND	mg/L					
Barium			U	ND	mg/L					
Beryllium			U	ND	mg/L					
Boron			U	ND	mg/L					02/10/26 13:10
Cadmium			U	ND	mg/L					02/10/26 19:23
Calcium			U	ND	mg/L					

QC Summary

Workorder: **761851**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936484										
Chromium			U	ND	mg/L				PRB	02/10/26 19:23
Cobalt			U	ND	mg/L					
Iron			U	ND	mg/L					
Lead			U	ND	mg/L					
Lithium			U	ND	mg/L					
Magnesium			U	ND	mg/L					
Manganese			U	ND	mg/L					
Molybdenum			U	ND	mg/L					
Potassium			U	ND	mg/L					
Selenium			U	ND	mg/L					
Sodium			U	ND	mg/L					
Thallium			U	ND	mg/L					
Vanadium			U	ND	mg/L					
Zinc			U	ND	mg/L					

QC Summary

Workorder: **761851**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936484											
QC1206364753 761844001 MS											
Antimony	0.0500	U	ND		0.0511	mg/L		102	(75%-125%)	PRB	02/10/26 19:37
Arsenic	0.0500	U	ND		0.0548	mg/L		106	(75%-125%)		
Barium	0.0500		0.122		0.172	mg/L		101	(75%-125%)		
Beryllium	0.0500	U	ND		0.0559	mg/L		112	(75%-125%)		
Boron	0.100		3.22		3.34	mg/L		N/A	(75%-125%)		02/10/26 13:14
Cadmium	0.0500	U	ND		0.0494	mg/L		98.7	(75%-125%)		02/10/26 19:37
Calcium	2.00		123		129	mg/L		N/A	(75%-125%)		02/10/26 19:51
Chromium	0.0500	U	ND		0.0519	mg/L		101	(75%-125%)		02/10/26 19:37
Cobalt	0.0500		0.00114		0.0509	mg/L		99.6	(75%-125%)		
Iron	2.00		11.7		13.6	mg/L		N/A	(75%-125%)		
Lead	0.0500	U	ND		0.0488	mg/L		97.6	(75%-125%)		
Lithium	0.0500	U	ND		0.0550	mg/L		110	(75%-125%)		
Magnesium	2.00		59.1		62.7	mg/L		N/A	(75%-125%)		02/10/26 19:51
Manganese	0.0500		0.526		0.579	mg/L		N/A	(75%-125%)		02/10/26 19:37

QC Summary

Workorder: **761851**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS											
Batch 2936484											
Molybdenum	0.0500	J	0.000333		0.0556	mg/L		110	(75%-125%)	PRB	02/10/26 19:37
Potassium	2.00		18.6		20.9	mg/L		N/A	(75%-125%)		
Selenium	0.0500	U	ND		0.0487	mg/L		96.1	(75%-125%)		
Sodium	2.00		98.9		102	mg/L		N/A	(75%-125%)		02/10/26 19:51
Thallium	0.0500	U	ND		0.0480	mg/L		96	(75%-125%)		02/10/26 19:37
Vanadium	0.0500	J	0.00684		0.0585	mg/L		103	(75%-125%)		
Zinc	0.0500	U	ND		0.0487	mg/L		94.9	(75%-125%)		
QC1206364754 761844001 MSD											
Antimony	0.0500	U	ND		0.0506	mg/L	0.871	101	(0%-20%)		02/10/26 19:39
Arsenic	0.0500	U	ND		0.0550	mg/L	0.299	106	(0%-20%)		
Barium	0.0500		0.122		0.171	mg/L	0.395	99.4	(0%-20%)		
Beryllium	0.0500	U	ND		0.0563	mg/L	0.84	113	(0%-20%)		
Boron	0.100		3.22		3.35	mg/L	0.334	N/A	(0%-20%)		02/10/26 13:15
Cadmium	0.0500	U	ND		0.0497	mg/L	0.684	99.4	(0%-20%)		02/10/26 19:39
Calcium	2.00		123		128	mg/L	0.377	N/A	(0%-20%)		02/10/26 19:54

QC Summary

Workorder: **761851**

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS												
Batch 2936484												
Chromium	0.0500	U	ND		0.0520	mg/L	0.235	102	(0%-20%)	PRB	02/10/26	19:39
Cobalt	0.0500		0.00114		0.0507	mg/L	0.458	99.1	(0%-20%)			
Iron	2.00		11.7		13.7	mg/L	0.593	N/A	(0%-20%)			
Lead	0.0500	U	ND		0.0480	mg/L	1.6	96	(0%-20%)			
Lithium	0.0500	U	ND		0.0553	mg/L	0.561	110	(0%-20%)			
Magnesium	2.00		59.1		63.1	mg/L	0.673	N/A	(0%-20%)		02/10/26	19:54
Manganese	0.0500		0.526		0.589	mg/L	1.71	N/A	(0%-20%)		02/10/26	19:39
Molybdenum	0.0500	J	0.000333		0.0552	mg/L	0.617	110	(0%-20%)			
Potassium	2.00		18.6		21.1	mg/L	0.967	N/A	(0%-20%)			
Selenium	0.0500	U	ND		0.0478	mg/L	1.85	94.3	(0%-20%)			
Sodium	2.00		98.9		102	mg/L	0.116	N/A	(0%-20%)		02/10/26	19:54
Thallium	0.0500	U	ND		0.0467	mg/L	2.88	93.2	(0%-20%)		02/10/26	19:39
Vanadium	0.0500	J	0.00684		0.0584	mg/L	0.108	103	(0%-20%)			
Zinc	0.0500	U	ND		0.0479	mg/L	1.48	93.5	(0%-20%)			

QC Summary

Workorder: **761851**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936484										
QC1206364756 761844001 SDILT										
Antimony	U	ND	U	ND	ug/L	N/A		(0%-20%)	PRB	02/10/26 19:45
Arsenic	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Barium		122		23.7	ug/L	2.41		(0%-20%)		
Beryllium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Boron		3220	J	3690	ug/L	14.5		(0%-20%)		02/10/26 13:17
Cadmium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/10/26 19:45
Calcium		123000		121000	ug/L	1.72		(0%-20%)		02/10/26 19:57
Chromium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/10/26 19:45
Cobalt		1.14	U	ND	ug/L	N/A		(0%-20%)		
Iron		11700		2350	ug/L	.733		(0%-20%)		
Lead	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Lithium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Magnesium		59100		59600	ug/L	.867		(0%-20%)		02/10/26 19:57
Manganese		526		108	ug/L	2.3		(0%-20%)		02/10/26 19:45

QC Summary

Workorder: **761851**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936484										
Molybdenum	J	0.333	J	0.272	ug/L	308		(0%-20%)	PRB	02/10/26 19:45
Potassium		18600		3500	ug/L	6.25		(0%-20%)		
Selenium	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Sodium		98900		96300	ug/L	2.62		(0%-20%)		02/10/26 19:57
Thallium	U	ND	U	ND	ug/L	N/A		(0%-20%)		02/10/26 19:45
Vanadium	J	6.84	U	ND	ug/L	N/A		(0%-20%)		
Zinc	U	ND	U	ND	ug/L	N/A		(0%-20%)		
Metals Analysis-Mercury										
Batch 2936570										
QC1206364900 761871002 DUP										
Mercury	U	ND	U	ND	mg/L	N/A			JP2	02/02/26 10:53
QC1206364899 LCS										
Mercury	0.00200			0.00201	mg/L		101	(80%-120%)		02/02/26 10:20
QC1206364898 MB										
Mercury			U	ND	mg/L					02/02/26 10:17
QC1206364901 761871002 MS										
Mercury	0.00200	U		ND	0.00203	mg/L		101	(75%-125%)	02/02/26 10:55

QC Summary

Workorder: 761851

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Nutrient Analysis												
Batch 2935190												
QC1206362986 760777011 DUP												
Nitrogen, Total Kjeldahl			1.23		1.16	mg/L	6.37	^		(+/-1.00)	JLD1	02/03/26 09:26
QC1206362985 LCS												
Nitrogen, Total Kjeldahl	1.00				1.06	mg/L			106	(90%-110%)		02/03/26 09:24
QC1206362984 MB												
Nitrogen, Total Kjeldahl				J	0.0600	mg/L						02/03/26 09:23
QC1206362987 760777011 MS												
Nitrogen, Total Kjeldahl	1.00		1.23		1.94	mg/L			71.2*	(90%-110%)		02/03/26 09:27
Batch 2937838												
QC1206366782 761382001 DUP												
Nitrogen, Ammonia		J	0.0180	U	ND	mg/L	200	^			JLD1	02/02/26 11:40
QC1206366781 LCS												
Nitrogen, Ammonia	1.00				0.989	mg/L			98.9	(90%-110%)		02/02/26 11:37
QC1206366780 MB												
Nitrogen, Ammonia				U	ND	mg/L						02/02/26 11:36
QC1206366783 761382001 MS												
Nitrogen, Ammonia	1.00	J	0.0180		1.01	mg/L			99.4	(90%-110%)		02/02/26 11:41
Solids Analysis												
Batch 2937858												
QC1206366821 762081003 DUP												
Total Dissolved Solids			872		890	mg/L	2.04			(0%-5%)	SC1	02/02/26 13:12
QC1206366820 LCS												
Total Dissolved Solids	300				302	mg/L			101	(95%-105%)		02/02/26 13:12

QC Summary

Workorder: **761851**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Solids Analysis										
Batch 2937858										
QC1206366819 MB										
Total Dissolved Solids			U	ND	mg/L				SC1	02/02/26 13:12
Titration and Ion Analysis										
Batch 2942482										
QC1206374369 762303001 DUP										
Alkalinity, Total as CaCO3		69.5		69.6	mg/L	0.144		(0%-20%)	BR2	02/11/26 17:04
Bicarbonate alkalinity (CaCO3)		69.5		69.6	mg/L	0.144		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206374368 LCS										
Alkalinity, Total as CaCO3	50.0			52.9	mg/L		106	(90%-110%)		02/11/26 17:04
QC1206377089 LCS										
Alkalinity, Total as CaCO3	15.0			13.9	mg/L		92.7	(90%-110%)		02/11/26 17:04
QC1206374370 762303001 MS										
Alkalinity, Total as CaCO3	50.0	69.5		123	mg/L		106	(80%-120%)		02/11/26 17:04

Notes:

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J J Value is estimated

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

FID Flame Ionization Detector

Product: **Dissolved Gases in Water by Flame Ionization Detector (FID)**
Analytical Method: SOP RSK 175 Modified
Analytical Procedure: GL-OA-E-064 REV# 6
Analytical Batch: 2935821

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206363855	Method Blank (MB) **Batch 2935821**
1206363856	Laboratory Control Sample (LCS)
1206365663	761851001(KRA-CLIFTON-SEEP) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
Samples 1206365663 (KRA-CLIFTON-SEEPDUP) and 761851001 (KRA-CLIFTON-SEEP) were diluted due to the presence of overrange target analytes.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2936484

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2936483

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206364751	Method Blank (MB)**ICP-MS Batch 2936484**
1206364752	Laboratory Control Sample (LCS)
1206364756	761844001(KRA-GWB-5RL) Serial Dilution (SD)
1206364753	761844001(KRA-GWB-5RS) Matrix Spike (MS)

1206364754 761844001(KRA-GWB-5RSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Sample 761851001 (KRA-CLIFTON-SEEP) was diluted to ensure that the analyte concentration was within the linear calibration range of the instrument.

Analyte	**761851 001**
Barium	20X
Boron	400X
Calcium	20X
Magnesium	20X
Potassium	20X
Sodium	100X

Product: **Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer**
Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 42
Analytical Batch: 2936570

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 42
Preparation Batch: 2936567

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206364898	Method Blank (MB)**CVAA Batch 2936570**
1206364899	Laboratory Control Sample (LCS)
1206364900	761871002(NonSDGD) Sample Duplicate (DUP)
1206364901	761871002(NonSDGS) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

General Chemistry

Product: **Carbon, Total Organic**
Analytical Method: SM 5310 B
Analytical Procedure: GL-GC-E-093 REV# 23
Analytical Batch: 2936197

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206364375	Method Blank (MB) **Batch 2936197**
1206364376	Laboratory Control Sample (LCS)
1206364377	761754002(NonSDG) Sample Duplicate (DUP)
1206364378	761754002(NonSDG) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following sample 761851001 (KRA-CLIFTON-SEEP) was diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	761851 001
Total Organic Carbon Average	80X

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2936452

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206364714	Method Blank (MB) **Batch 2936452**

1206364715	Laboratory Control Sample (LCS)
1206364716	761851001(KRA-CLIFTON-SEEP) Sample Duplicate (DUP)
1206364717	761851001(KRA-CLIFTON-SEEP) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following samples 1206364716 (KRA-CLIFTON-SEEPDUP), 1206364717 (KRA-CLIFTON-SEEPMS) and 761851001 (KRA-CLIFTON-SEEP) were diluted because target analyte concentrations exceeded the calibration range.
The following samples 1206364716 (KRA-CLIFTON-SEEPDUP), 1206364717 (KRA-CLIFTON-SEEPMS) and 761851001 (KRA-CLIFTON-SEEP) in this sample group were diluted due to matrix interference. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	**761851001**
Chloride	50X
Fluoride	5X
Nitrate-N	5X

Miscellaneous Information

Manual Integrations
Sample 761851001 (KRA-CLIFTON-SEEP) was manually integrated to correctly position the baseline as set in the calibration standards.

Product: **Total Kjeldahl Nitrogen**
Analytical Method: EPA 351.2
Analytical Procedure: GL-GC-E-109 REV# 1
Analytical Batch: 2935190

Preparation Method: EPA 351.2 Prep
Preparation Procedure: GL-GC-E-071 REV# 20
Preparation Batch: 2935189

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206362984	Method Blank (MB) **Batch 2935190**
1206362985	Laboratory Control Sample (LCS)
1206362986	760777011(NonSDG) Sample Duplicate (DUP)

1206362987 760777011(NonSDG) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Method Blank (MB) Statement
The MB analyzed with this SDG met the acceptance criteria per GEL's reporting limits. Client requested limits are less than GEL's limits and since they are less than levels we can detect, the data will be qualified.

Sample	Analyte	Value
1206362984 (MB)	Nitrogen, Total Kjeldahl	0.06 mg/L between (0.033 - 0.1)

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Nitrogen, Total Kjeldahl	1206362987 (Non SDG 760777011MS)	71.2* (90%-110%)

Technical Information

Sample Dilutions
The following sample 761851001 (KRA-CLIFTON-SEEP) was diluted because target analyte concentrations exceeded the calibration range.
Sample 761851001 (KRA-CLIFTON-SEEP) was diluted at the prep step due to high concentration. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	761851 001
Nitrogen, Total Kjeldahl	10X

Sample Re-analysis
Sample 1206362984 (MB) was re-analyzed due to (its) proximity to an overrange sample. The results from the reanalysis are reported.
Sample 1206362984 (MB) was re-analyzed to verify the result.

Miscellaneous Information

Additional Comments
The TKN result is less than the NH3 result; however, the results are within 20% of one another, therefore, the results are reported. 761851001 (KRA-CLIFTON-SEEP).

Product: **Ammonia Nitrogen**
Preparation Method: EPA 350.1
Preparation Procedure: GL-GC-E-110 REV# 3
Preparation Batch: 2937838

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206366780	Method Blank (MB) **Batch 2937838**
1206366781	Laboratory Control Sample (LCS)
1206366782	761382001(NonSDG) Sample Duplicate (DUP)
1206366783	761382001(NonSDG) Matrix Spike (MS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Sample Dilutions
The following sample 761851001 (KRA-CLIFTON-SEEP) was diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	**761851**
	001
Nitrogen, Ammonia	100X

Product: **Solids, Total Dissolved**
Analytical Method: SM 2540C
Analytical Procedure: GL-GC-E-001 REV# 23
Analytical Batch: 2937858

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206366819	Method Blank (MB) **Batch 2937858**
1206366820	Laboratory Control Sample (LCS)
1206366821	762081003(NonSDG) Sample Duplicate (DUP)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing

calibration, instrument controls and process controls where applicable.

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2942482

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761851001	KRA-CLIFTON-SEEP
1206374368	Laboratory Control Sample (LCS) **Batch 2942482**
1206374369	762303001(NonSDG) Sample Duplicate (DUP)
1206374370	762303001(NonSDG) Matrix Spike (MS)
1206377089	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to high concentration. 761851001 (KRA-CLIFTON-SEEP).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

1130126 lcm

761846
761849

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
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Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

761851
761852

Client Name: GA Power
Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Clifton Seep
Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: CK ACC
Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	Nitrate EPA 300	Total, Carb, & Bicarb Alk - SM 2320B	SA NH3, TKN EPA 350.1, 351.2	TOC SM 5310B	Dissolved Methane RSK 175			<-- Preservative Type (6)
KRA-CLIFTON-SEEP	01-28-26	1607	G	N	WL			12	✓	✓	✓	✓	✓	✓	✓	✓			

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	1/29/26	1058	1 [signature]	1.29.26	1058
2				2		
3				3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Fe,Mg,Mn,K,Na,Hg

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No Cooler Temp: 1 °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 761851 761852 | GEL PM: AMN

Received By: CLM | Date Received at GEL: 112926

Courier (Circle Applicable): FedEx Express FedEx Ground UPS Field Services Courier Client Other: | IR Temp gun # IR5-23 | Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	1°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	1°				
5	1°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-Clifton - Seep analysis: Metals, Radium 226 & 228, NH3, TKN, & If Preservation added, Lot#: Nitric: Sulfuric:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) Only received 1 metals container for each ID.
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) EPA 350.1, 351.2. Lot# for Nitric ~~0204~~ exp date 6240424BP Sulfuric Lot# 20240813 28. Attempted to preserve the samples held for analysis: NH3 but all others did not.

PM (or PMA) review: Initials CM Date 1/30/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 12 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 18, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761852

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 29, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761852001	KRA-CLIFTON-SEEP	Ground Water	01/28/26 16:07	01/29/26 10:58

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

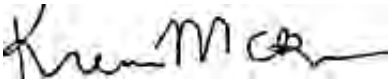
Not Applicable

Analysis Methods and Analysis Dates

Method	Run Date ID
Calculation	17-FEB-2026
EPA 903.1 Modified	12-FEB-2026
EPA 904.0/SW846 9320 Modified	10-FEB-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761852 GEL Work Order: 761852

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

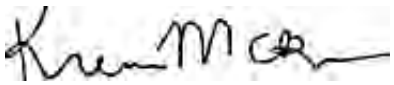
** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Georgia Power, Southern Company
Address : 241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Report Date: February 18, 2026

Contact: Chris Tidwell
Project: Plant Kraft

Client Sample ID: KRA-CLIFTON-SEEP
Sample ID: 761852001
Matrix: WG
Collect Date: 28-JAN-26
Receive Date: 29-JAN-26
Collector: Client

Project: GPCC00125
Client ID: GPCC004

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
GFPC Ra228, Liquid "As Received"														
Radium-228	U	1.43	+/-1.19	1.91	+/-1.25	3.00	pCi/L			ST2	02/10/26	1042	2936897	1
Radium-226+Radium-228 Calculation "See Parent Products"														
Radium-226+228 Sum		2.57	+/-1.28	1.91	+/-1.36		pCi/L			NXL1	02/17/26	1052	2936986	2
Rad Radium-226														
Lucas Cell, Ra226, Liquid "As Received"														
Radium-226		1.14	+/-0.468	0.483	+/-0.519	1.00	pCi/L			AW6	02/12/26	0818	2938600	3

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2936897	83.5	(15%-125%)

Notes:

The MDC is a sample specific MDC.
TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
Lc/LC: Critical Level
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Mtd.: Method
PF: Prep Factor
RL: Reporting Limit
TPU: Total Propagated Uncertainty

Product: **Radium-226+Radium-228 Calculation**
Analytical Method: Calculation
Analytical Procedure: GL-RAD-D-003 REV# 46
Analytical Batch: 2936986

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761852001	KRA-CLIFTON-SEEP

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Product: **GFPC Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2936897

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761852001	KRA-CLIFTON-SEEP
1206365501	Method Blank (MB) **Batch 2936897**
1206365502	761852001(KRA-CLIFTON-SEEP) Sample Duplicate (DUP)
1206365503	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix
Samples were non-homogenous matrix.
dirt in water- brown

Technical Information

Recounts
Sample 1206365503 (LCS) was recounted due to low recovery. The recount is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2938600

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761852001	KRA-CLIFTON-SEEP
1206367946	Method Blank (MB) **Batch 2938600**
1206367947	761938001(NonSDG) Sample Duplicate (DUP)
1206367948	761938001(NonSDG) Matrix Spike (MS)
1206367949	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
The matrix spike, 1206367948 (Non SDG 761938001MS), aliquot was reduced to conserve sample volume.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Client : **Georgia Power, Southern Company**
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761852**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2936897										
QC1206365502 761852001 DUP										
Radium-228	U	1.43	U	1.01	pCi/L	0		N/A	ST2	02/10/2610:42
	Uncert:	+/-1.19		+/-1.05						
	TPU:	+/-1.25		+/-1.09						
QC1206365503 LCS										
Radium-228	65.2			55.5	pCi/L		85	(75%-125%)	ST2	02/10/2612:11
	Uncert:			+/-4.88						
	TPU:			+/-16.3						
QC1206365501 MB										
Radium-228			U	0.724	pCi/L				ST2	02/10/2610:42
	Uncert:			+/-0.936						
	TPU:			+/-0.958						
Rad Ra-226										
Batch 2938600										
QC1206367947 761938001 DUP										
Radium-226		1.14		1.07	pCi/L	5.59		(0% - 100%)	AW6	02/12/2609:24
	Uncert:	+/-0.444		+/-0.448						
	TPU:	+/-0.505		+/-0.482						
QC1206367949 LCS										
Radium-226	27.2			21.8	pCi/L		80	(75%-125%)	AW6	02/12/2609:24
	Uncert:			+/-1.91						
	TPU:			+/-4.32						
QC1206367946 MB										
Radium-226			U	0.198	pCi/L				AW6	02/12/2608:52
	Uncert:			+/-0.335						
	TPU:			+/-0.337						
QC1206367948 761938001 MS										
Radium-226	129	1.14		124	pCi/L		94.9	(75%-125%)	AW6	02/12/2609:24
	Uncert:	+/-0.444		+/-9.44						
	TPU:	+/-0.505		+/-20.7						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

QC Summary

Workorder: **761852**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
** Indicates analyte is a surrogate/tracer compound.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptence criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

1130126 lcm

761846
761849

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

761851
761852

Client Name: GA Power | Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Clifton Seep | Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: Ck ACC | Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Cl, F, SO4, TDS EPA 300, SM 2540C	NI Metals * EPA 6020, 6010, 7470	NI Radium 226 & 228 SW-846 9315, 9320	Nitrate EPA 300	Total, Carb, & Bicarb Alk - SM 2320B	SA NH3, TKN EPA 350.1, 351.2	TOC SM 5310B	Dissolved Methane RSK 175			<-- Preservative Type (6)
KRA-CLIFTON-SEEP	01-28-26	1607	G	N	WL			12	✓	✓	✓	✓	✓	✓	✓	✓			

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	[signature]	1/29/26	1058	1 [signature]	1.29.26	1058
2				2		
3				3		

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * Metals: B,Ca,Sb,As,Ba,Be,Cd,Cr,Co,Pb,Li,Mo,Se,Tl,V,Zn,Fe,Mg,Mn,K,Na,Hg

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 1 °C

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 761851 761852 | GEL PM: AMN

Received By: CLM | Date Received at GEL: 112926

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	1°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	1°				
5	1°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-Clifton - Seep analysis: Metals, Radium 226 & 228, NH3, TKN, & If Preservation added, Lot#: Nitric: Sulfuric:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) Only received 1 metals container for each ID.
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) EPA 350.1, 351.2. Lot# for Nitric ~~0204~~ exp date 6240424BP Sulfuric Lot# 20240813 28. Attempted to preserve the samples held for analysis: NH3 but all others did not.

PM (or PMA) review: Initials CM Date 1/30/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 18 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 11, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761701

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 28, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761701001	KRA-GWA-7	Ground Water	01/27/26 10:20	01/28/26 11:08
761701002	KRA-GWC-20	Ground Water	01/27/26 13:20	01/28/26 11:08
761701003	KRA-GWC-1	Ground Water	01/27/26 13:42	01/28/26 11:08
761701004	KRA-MW-25D	Ground Water	01/27/26 14:10	01/28/26 11:08
761701005	KRA-GWA-8	Ground Water	01/27/26 11:00	01/28/26 11:08
761701006	KRA-GWB-4R	Ground Water	01/27/26 15:51	01/28/26 11:08
761701007	KRA-GWC-11	Ground Water	01/27/26 14:45	01/28/26 11:08
761701008	KRA-GWC-15	Ground Water	01/27/26 16:13	01/28/26 11:08

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

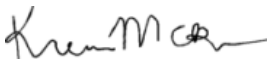
Method	Run Date ID
SW846 3005A	29-JAN-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
SM 2320B	05-FEB-2026
SW846 3005A/6020B	03-FEB-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761701 GEL Work Order: 761701

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

N Metals--The Matrix spike sample recovery is not within specified control limits

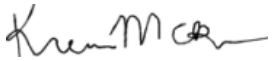
N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-7	Project:	GPCC00125
Sample ID:	761701001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 10:20		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		11.2	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2005	2935901	1
Iron		3.16	0.0330	0.100	mg/L	1.00	1					
Magnesium		0.891	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0178	0.00100	0.00500	mg/L	1.00	1					
Potassium		14.5	0.0800	0.300	mg/L	1.00	1					
Sodium		554	1.60	5.00	mg/L	1.00	20	RM4	02/03/26	1931	2935901	2
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		905	1.45	4.00	mg/L			IS2	02/05/26	1133	2940543	3
Bicarbonate alkalinity (CaCO3)		905	1.45	4.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	1.45	4.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-20	Project:	GPCC00125
Sample ID:	761701002	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 13:20		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.154	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2008	2935901	1
Iron		1.48	0.0330	0.100	mg/L	1.00	1					
Manganese		0.162	0.00100	0.00500	mg/L	1.00	1					
Potassium		38.4	0.0800	0.300	mg/L	1.00	1					
Magnesium		186	0.100	0.300	mg/L	1.00	10	RM4	02/03/26	1935	2935901	2
Sodium		89.6	0.800	2.50	mg/L	1.00	10					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		203	0.725	2.00	mg/L			IS2	02/05/26	1139	2940543	3
Bicarbonate alkalinity (CaCO3)		203	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-1	Project:	GPCC00125
Sample ID:	761701003	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 13:42		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.291	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2011	2935901	1
Iron		0.135	0.0330	0.100	mg/L	1.00	1					
Magnesium		10.6	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0802	0.00100	0.00500	mg/L	1.00	1					
Potassium		8.41	0.0800	0.300	mg/L	1.00	1					
Sodium		10.4	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		146	0.725	2.00	mg/L			IS2	02/05/26	1142	2940543	2
Bicarbonate alkalinity (CaCO3)		146	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-25D	Project:	GPCC00125
Sample ID:	761701004	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 14:10		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2014	2935901	1
Iron		0.413	0.0330	0.100	mg/L	1.00	1					
Magnesium		1.05	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0101	0.00100	0.00500	mg/L	1.00	1					
Potassium		1.20	0.0800	0.300	mg/L	1.00	1					
Sodium		6.66	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		16.4	0.725	2.00	mg/L			IS2	02/05/26	1143	2940543	2
Bicarbonate alkalinity (CaCO3)		16.4	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWA-8	Project:	GPCC00125
Sample ID:	761701005	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 11:00		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.935	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2017	2935901	1
Iron		4.54	0.0330	0.100	mg/L	1.00	1					
Magnesium		3.12	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0208	0.00100	0.00500	mg/L	1.00	1					
Potassium		3.18	0.0800	0.300	mg/L	1.00	1					
Sodium		30.4	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		4.30	0.725	2.00	mg/L			IS2	02/05/26	1144	2940543	2
Bicarbonate alkalinity (CaCO3)		4.30	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-4R	Project:	GPCC00125
Sample ID:	761701006	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 15:51		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.633	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2020	2935901	1
Iron		23.6	0.0330	0.100	mg/L	1.00	1					
Manganese		0.465	0.00100	0.00500	mg/L	1.00	1					
Potassium		31.0	0.0800	0.300	mg/L	1.00	1					
Magnesium		55.5	0.100	0.300	mg/L	1.00	10	RM4	02/03/26	1938	2935901	2
Sodium		339	0.800	2.50	mg/L	1.00	10					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		401	0.725	2.00	mg/L			IS2	02/05/26	1146	2940543	3
Bicarbonate alkalinity (CaCO3)		401	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-11	Project:	GPCC00125
Sample ID:	761701007	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 14:45		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.546	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2023	2935901	1
Iron		3.35	0.0330	0.100	mg/L	1.00	1					
Manganese		0.0379	0.00100	0.00500	mg/L	1.00	1					
Potassium		38.7	0.0800	0.300	mg/L	1.00	1					
Magnesium		72.2	0.100	0.300	mg/L	1.00	10	RM4	02/03/26	1941	2935901	2
Sodium		219	0.800	2.50	mg/L	1.00	10					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		8.20	0.725	2.00	mg/L			IS2	02/05/26	1147	2940543	3
Bicarbonate alkalinity (CaCO3)		8.20	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 11, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-15	Project:	GPCC00125
Sample ID:	761701008	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	27-JAN-26 16:13		
Receive Date:	28-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.138	0.0193	0.0500	mg/L	1.00	1	RM4	02/03/26	2026	2935901	1
Iron		1.37	0.0330	0.100	mg/L	1.00	1					
Magnesium		21.8	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.158	0.00100	0.00500	mg/L	1.00	1					
Potassium		13.5	0.0800	0.300	mg/L	1.00	1					
Sodium		10.2	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		391	0.725	2.00	mg/L			IS2	02/05/26	1148	2940543	2
Bicarbonate alkalinity (CaCO3)		391	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	CJ3	01/29/26	1530	2935899

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

QC Summary

Report Date: February 11, 2026

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761701**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2935901											
QC1206363937 LCS											
Aluminum	2.00			2.24	mg/L		112	(80%-120%)	RM4	02/03/26	19:09
Iron	2.00			2.16	mg/L		108	(80%-120%)			
Magnesium	2.00			2.27	mg/L		114	(80%-120%)			
Manganese	0.0500			0.0537	mg/L		107	(80%-120%)			
Potassium	2.00			2.18	mg/L		109	(80%-120%)			
Sodium	2.00			2.29	mg/L		115	(80%-120%)			
QC1206363936 MB											
Aluminum			U	ND	mg/L					02/03/26	19:06
Iron			U	ND	mg/L						
Magnesium				0.0217	mg/L						
Manganese			U	ND	mg/L						
Potassium			U	ND	mg/L						
Sodium			U	ND	mg/L						

QC Summary

Workorder: **761701**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2935901										
QC1206363938 761697001 MS										
Aluminum	2.00	4.02		6.20	mg/L		109	(75%-125%)	RM4	02/03/26 19:48
Iron	2.00	2.53		4.56	mg/L		101	(75%-125%)		
Magnesium	2.00	0.808		2.85	mg/L		102	(75%-125%)		
Manganese	0.0500	0.0171		0.0659	mg/L		97.6	(75%-125%)		
Potassium	2.00	14.3		16.7	mg/L		N/A	(75%-125%)		
Sodium	2.00	577		610	mg/L		N/A	(75%-125%)		02/03/26 19:15
QC1206363939 761697001 MSD										
Aluminum	2.00	4.02		6.17	mg/L	0.585	107	(0%-20%)		02/03/26 19:51
Iron	2.00	2.53		4.50	mg/L	1.16	98.5	(0%-20%)		
Magnesium	2.00	0.808		2.89	mg/L	1.29	104	(0%-20%)		
Manganese	0.0500	0.0171		0.0666	mg/L	0.966	98.9	(0%-20%)		
Potassium	2.00	14.3		16.4	mg/L	2.3	N/A	(0%-20%)		
Sodium	2.00	577		553	mg/L	9.8	N/A	(0%-20%)		02/03/26 19:19
QC1206363941 761697001 SDILT										
Aluminum		4020		801	ug/L	.465		(0%-20%)		02/03/26 19:56
Iron		2530		527	ug/L	3.95		(0%-20%)		

QC Summary

Workorder: **761701**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2935901										
Magnesium		808		163	ug/L	.801		(0%-20%)	RM4	02/03/26 19:56
Manganese		17.1	J	3.47	ug/L	1.32		(0%-20%)		
Potassium		14300		2730	ug/L	4.34		(0%-20%)		
Sodium		577000		566000	ug/L	1.77		(0%-20%)		02/03/26 19:22
Titration and Ion Analysis										
Batch 2940543										
QC1206371168 761961001 DUP										
Alkalinity, Total as CaCO3		98.7		98.4	mg/L	0.29		(0%-20%)	IS2	02/05/26 12:01
Bicarbonate alkalinity (CaCO3)		98.7		98.4	mg/L	0.29		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206371167 LCS										
Alkalinity, Total as CaCO3	15.0			13.6	mg/L		90.7	(90%-110%)		02/05/26 11:29
QC1206371172 LCS										
Alkalinity, Total as CaCO3	50.0			52.8	mg/L		106	(90%-110%)		02/05/26 11:31
QC1206371169 761961001 MS										
Alkalinity, Total as CaCO3	71.4	98.7		173	mg/L		104	(80%-120%)		02/05/26 12:02

Notes:

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J J Value is estimated

QC Summary

Workorder: **761701**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Technical Case Narrative
Georgia Power Company
SDG #: 761701

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2935901

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2935899

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761701001	KRA-GWA-7
761701002	KRA-GWC-20
761701003	KRA-GWC-1
761701004	KRA-MW-25D
761701005	KRA-GWA-8
761701006	KRA-GWB-4R
761701007	KRA-GWC-11
761701008	KRA-GWC-15
1206363936	Method Blank (MB)**ICP-MS Batch 2935901**
1206363937	Laboratory Control Sample (LCS)
1206363941	761697001(KRA-GWA-7L) Serial Dilution (SD)
1206363938	761697001(KRA-GWA-7S) Matrix Spike (MS)
1206363939	761697001(KRA-GWA-7SD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Continuing Calibration Blanks (CCB) Requirements
All continuing calibration blanks(CCB) bracketing the sample in this SDG did not meet the acceptance criteria. The samples bracketed by this CCB, however, contained the element with a concentration at least ten times greater than the concentration in the CCB. This indicates that any contribution to the concentration of these elements in the samples from potential laboratory contamination would be minimal.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 761701001 (KRA-GWA-7), 761701002 (KRA-GWC-20), 761701006 (KRA-GWB-4R) and 761701007 (KRA-GWC-11) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	761701			
	001	**002**	**006**	**007**
Magnesium		10X	10X	10X
Sodium	20X	10X	10X	10X

General Chemistry

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2940543

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761701001	KRA-GWA-7
761701002	KRA-GWC-20
761701003	KRA-GWC-1
761701004	KRA-MW-25D
761701005	KRA-GWA-8
761701006	KRA-GWB-4R
761701007	KRA-GWC-11
761701008	KRA-GWC-15
1206371167	Laboratory Control Sample (LCS) **Batch 2940543**
1206371168	761961001(NonSDG) Sample Duplicate (DUP)
1206371169	761961001(NonSDG) Matrix Spike (MS)
1206371172	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206371168 (Non SDG 761961001DUP) and 1206371169 (Non SDG 761961001MS).
A reduced aliquot was used due to high concentration. 761701001 (KRA-GWA-7).

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 1
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

761701

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116

Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #

Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308

Collected By: ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Total & Bicarb Alk SM 2320B	NI Metals * EPA 6020, 6010	<-- Preservative Type (6)
KRA- 6wA-7	01-27-26	1020	G	N	WG			2	✓	✓	
KRA- 6WC-20	01-27-26	1320	G	N	WG			2	✓	✓	
KRA- 6WC-1	01-27-26	1342	G	N	WG			2	✓	✓	
KRA- MW-25D	01-27-26	1410	G	N	WG			2	✓	✓	
KRA- 6WA-8	01-27-26	1100	G	N	WG			2	✓	✓	
KRA- 6WB-4R	01-27-26	1551	G	N	WG			2	✓	✓	
KRA- 6WC-11	01-27-26	1445	G	N	WG			2	✓	✓	
KRA- 6WC-15	01-27-26	1613	G	N	WG			2	✓	✓	
~~KRA- GRB-FB-01~~	~~01-27-26~~	~~1540~~	~~G~~	~~N~~	~~WG~~	(N)					
KRA-											

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

	Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1		1/28/26	0416		1-28-26	9:16 am
2		1-28-26	11:08		1/28/26	1108
3						

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: Al, Fe, Mg, Mn, K, Na**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No *Cooler Temp:* 4 °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 761701 | GEL PM: AM

Received By: Joel Boatwright | Date Received at GEL: 1.28-26

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services (Courier) Client Other:

IR Temp gun # IR3-25 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	2				
Cooler 2	1				
Cooler 3	4				
Cooler 4	2				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials YJ Date 01/29/26

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 11 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

February 12, 2026

Chris Tidwell
Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia 30308

Re: Plant Kraft
Work Order: 761844

Dear Chris Tidwell:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 29, 2026. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt. The laboratory received the following sample(s):

Laboratory ID	Client ID	Matrix	Date Collected	Date Received
761844001	KRA-GWB-5R	Ground Water	01/28/26 10:25	01/29/26 10:28
761844002	KRA-GWB-6R	Ground Water	01/28/26 12:20	01/29/26 10:28
761844003	KRA-GWC-2	Ground Water	01/28/26 14:33	01/29/26 10:28
761844004	KRA-GWC-9	Ground Water	01/28/26 09:40	01/29/26 10:28
761844005	KRA-GWC-12	Ground Water	01/28/26 16:00	01/29/26 10:28
761844006	KRA-GWC-13	Ground Water	01/28/26 14:17	01/29/26 10:28
761844007	KRA-GWC-14	Ground Water	01/28/26 15:37	01/29/26 10:28
761844008	KRA-GWC-16	Ground Water	01/28/26 11:17	01/29/26 10:28
761844009	KRA-GWC-17	Ground Water	01/28/26 15:15	01/29/26 10:28
761844010	KRA-GWC-21	Ground Water	01/28/26 09:57	01/29/26 10:28
761844011	KRA-GWC-22	Ground Water	01/28/26 12:40	01/29/26 10:28
761844012	KRA-MW-23D	Ground Water	01/28/26 11:51	01/29/26 10:28
761844013	KRA-MW-24D	Ground Water	01/28/26 12:34	01/29/26 10:28
761844014	KRA-MW-26D	Ground Water	01/28/26 13:05	01/29/26 10:28



Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Prep Methods and Prep Dates

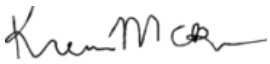
Method	Run Date ID
SW846 3005A	02-FEB-2026

Analysis Methods and Analysis Dates

Method	Run Date ID
SM 2320B	05-FEB-2026
SM 2320B	06-FEB-2026
SW846 3005A/6020B	10-FEB-2026

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4705.

Sincerely,



Kierra McKnight for
Abagail Martin
Project Manager

Purchase Order: GPC82177-0004
Enclosures

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report
for

GPCC004 Georgia Power Company

Client SDG: 761844 GEL Work Order: 761844

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a Tracer compound

** Analyte is a surrogate compound

B Either presence of analyte detected in the associated blank, or MDL/IDL < sample value < PQL

J Value is estimated

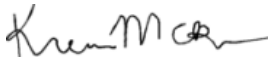
N/A RPD or %Recovery limits do not apply.

U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Abagail Martin.

Reviewed by 

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-5R	Project:	GPCC00125
Sample ID:	761844001	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 10:25		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.439	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	1934	2936484	1
Iron		11.7	0.0330	0.100	mg/L	1.00	1					
Manganese		0.526	0.00100	0.00500	mg/L	1.00	1					
Potassium		18.6	0.0800	0.300	mg/L	1.00	1					
Magnesium		59.1	0.500	1.50	mg/L	1.00	50	PRB	02/10/26	1948	2936484	2
Sodium		98.9	4.00	12.5	mg/L	1.00	50					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		58.3	0.725	2.00	mg/L			IS2	02/05/26	1151	2940543	3
Bicarbonate alkalinity (CaCO3)		58.3	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWB-6R	Project:	GPCC00125
Sample ID:	761844002	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:20		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		1.29	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2006	2936484	1
Iron		9.62	0.0330	0.100	mg/L	1.00	1					
Magnesium		7.49	0.0100	0.0300	mg/L	1.00	1					
Potassium		26.7	0.0800	0.300	mg/L	1.00	1					
Manganese		1.48	0.0200	0.100	mg/L	1.00	20	PRB	02/10/26	2009	2936484	2
Sodium		225	1.60	5.00	mg/L	1.00	20					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		90.4	0.725	2.00	mg/L			IS2	02/05/26	1152	2940543	3
Bicarbonate alkalinity (CaCO3)		90.4	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-2	Project:	GPCC00125
Sample ID:	761844003	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 14:33		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.0987	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2012	2936484	1
Iron		0.856	0.0330	0.100	mg/L	1.00	1					
Magnesium		0.622	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00401	0.00100	0.00500	mg/L	1.00	1					
Potassium		0.602	0.0800	0.300	mg/L	1.00	1					
Sodium		6.91	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		2.20	0.725	2.00	mg/L			IS2	02/05/26	1153	2940543	2
Bicarbonate alkalinity (CaCO3)		2.20	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-9	Project:	GPCC00125
Sample ID:	761844004	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 09:40		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.451	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2015	2936484	1
Iron		6.37	0.0330	0.100	mg/L	1.00	1					
Magnesium		2.81	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0453	0.00100	0.00500	mg/L	1.00	1					
Potassium		1.60	0.0800	0.300	mg/L	1.00	1					
Sodium		14.1	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	J	1.10	0.725	2.00	mg/L			IS2	02/05/26	1155	2940543	2
Bicarbonate alkalinity (CaCO3)	J	1.10	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-12	Project:	GPCC00125
Sample ID:	761844005	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 16:00		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		7.82	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2018	2936484	1
Iron		1.89	0.0330	0.100	mg/L	1.00	1					
Magnesium		20.7	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.113	0.00100	0.00500	mg/L	1.00	1					
Potassium		13.2	0.0800	0.300	mg/L	1.00	1					
Sodium		63.6	0.800	2.50	mg/L	1.00	10	PRB	02/10/26	2021	2936484	2
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3	U	ND	0.725	2.00	mg/L			IS2	02/05/26	1156	2940543	3
Bicarbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-13	Project:	GPCC00125
Sample ID:	761844006	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 14:17		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.271	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2024	2936484	1
Iron		1.17	0.0330	0.100	mg/L	1.00	1					
Magnesium		9.54	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.00822	0.00100	0.00500	mg/L	1.00	1					
Potassium		3.68	0.0800	0.300	mg/L	1.00	1					
Sodium		2.75	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		6.00	0.725	2.00	mg/L			IS2	02/05/26	1157	2940543	2
Bicarbonate alkalinity (CaCO3)		6.00	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-14	Project:	GPCC00125
Sample ID:	761844007	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 15:37		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum	J	0.0355	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2027	2936484	1
Iron		1.72	0.0330	0.100	mg/L	1.00	1					
Magnesium		31.5	0.0100	0.0300	mg/L	1.00	1					
Potassium		3.75	0.0800	0.300	mg/L	1.00	1					
Sodium		21.4	0.0800	0.250	mg/L	1.00	1					
Manganese		1.04	0.0100	0.0500	mg/L	1.00	10	PRB	02/10/26	2029	2936484	2
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		209	0.725	2.00	mg/L			IS2	02/06/26	1529	2941842	3
Bicarbonate alkalinity (CaCO3)		209	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-16	Project:	GPCC00125
Sample ID:	761844008	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 11:17		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		1.50	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2038	2936484	1
Iron		1.93	0.0330	0.100	mg/L	1.00	1					
Manganese		0.365	0.00100	0.00500	mg/L	1.00	1					
Magnesium		236	0.100	0.300	mg/L	1.00	10	PRB	02/10/26	2041	2936484	2
Potassium		75.2	0.800	3.00	mg/L	1.00	10					
Sodium		145	0.800	2.50	mg/L	1.00	10					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		48.9	0.725	2.00	mg/L			IS2	02/06/26	1534	2941842	3
Bicarbonate alkalinity (CaCO3)		48.9	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-17	Project:	GPCC00125
Sample ID:	761844009	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 15:15		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		11.9	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2050	2936484	1
Iron		39.9	0.0330	0.100	mg/L	1.00	1					
Manganese		0.398	0.00100	0.00500	mg/L	1.00	1					
Potassium		10.2	0.0800	0.300	mg/L	1.00	1					
Magnesium		81.8	0.100	0.300	mg/L	1.00	10	PRB	02/10/26	2053	2936484	2
Sodium		352	0.800	2.50	mg/L	1.00	10					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		20.9	0.725	2.00	mg/L			IS2	02/06/26	1536	2941842	3
Bicarbonate alkalinity (CaCO3)		20.9	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-21	Project:	GPCC00125
Sample ID:	761844010	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 09:57		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		0.163	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2056	2936484	1
Iron		0.547	0.0330	0.100	mg/L	1.00	1					
Manganese		0.147	0.00100	0.00500	mg/L	1.00	1					
Potassium		34.4	0.0800	0.300	mg/L	1.00	1					
Magnesium		67.7	0.100	0.300	mg/L	1.00	10	PRB	02/10/26	2059	2936484	2
Sodium		90.2	0.800	2.50	mg/L	1.00	10					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		119	0.725	2.00	mg/L			IS2	02/06/26	1538	2941842	3
Bicarbonate alkalinity (CaCO3)		119	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-GWC-22	Project:	GPCC00125
Sample ID:	761844011	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:40		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum		3.36	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2102	2936484	1
Iron		1.00	0.0330	0.100	mg/L	1.00	1					
Manganese		0.0485	0.00100	0.00500	mg/L	1.00	1					
Potassium		43.1	0.0800	0.300	mg/L	1.00	1					
Magnesium		79.6	0.100	0.300	mg/L	1.00	10	PRB	02/10/26	2105	2936484	2
Sodium		197	0.800	2.50	mg/L	1.00	10					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		3.30	0.725	2.00	mg/L			IS2	02/06/26	1540	2941842	3
Bicarbonate alkalinity (CaCO3)		3.30	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SW846 3005A/6020B	
3	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-23D	Project:	GPCC00125
Sample ID:	761844012	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 11:51		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2113	2936484	1
Iron	J	0.0500	0.0330	0.100	mg/L	1.00	1					
Magnesium		1.45	0.0100	0.0300	mg/L	1.00	1					
Manganese	J	0.00375	0.00100	0.00500	mg/L	1.00	1					
Potassium		2.77	0.0800	0.300	mg/L	1.00	1					
Sodium		13.8	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		26.0	0.725	2.00	mg/L			IS2	02/06/26	1543	2941842	2
Bicarbonate alkalinity (CaCO3)		26.0	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-24D	Project:	GPCC00125
Sample ID:	761844013	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 12:34		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2116	2936484	1
Iron		2.03	0.0330	0.100	mg/L	1.00	1					
Magnesium		0.469	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0305	0.00100	0.00500	mg/L	1.00	1					
Potassium		1.25	0.0800	0.300	mg/L	1.00	1					
Sodium		6.63	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		15.3	0.725	2.00	mg/L			IS2	02/06/26	1544	2941842	2
Bicarbonate alkalinity (CaCO3)		15.3	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 12, 2026

Company :	Georgia Power, Southern Company
Address :	241 Ralph McGill Blvd NE Bin 10060 Atlanta, Georgia 30308
Contact:	Chris Tidwell
Project:	Plant Kraft

Client Sample ID:	KRA-MW-26D	Project:	GPCC00125
Sample ID:	761844014	Client ID:	GPCC004
Matrix:	WG		
Collect Date:	28-JAN-26 13:05		
Receive Date:	29-JAN-26		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Metals Analysis-ICP-MS												
SW846 3005A/6020B - Geochemical Indicators "As Received"												
Aluminum	U	ND	0.0193	0.0500	mg/L	1.00	1	PRB	02/10/26	2119	2936484	1
Iron		0.261	0.0330	0.100	mg/L	1.00	1					
Magnesium		0.415	0.0100	0.0300	mg/L	1.00	1					
Manganese		0.0143	0.00100	0.00500	mg/L	1.00	1					
Potassium		1.65	0.0800	0.300	mg/L	1.00	1					
Sodium		5.51	0.0800	0.250	mg/L	1.00	1					
Titration and Ion Analysis												
SM 2320B Total Alkalinity "As Received"												
Alkalinity, Total as CaCO3		10.7	0.725	2.00	mg/L			IS2	02/06/26	1545	2941842	2
Bicarbonate alkalinity (CaCO3)		10.7	0.725	2.00	mg/L							
Carbonate alkalinity (CaCO3)	U	ND	0.725	2.00	mg/L							

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 3005A	ICP-MS 3005A PREP	JB7	02/02/26	1510	2936483

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 3005A/6020B	
2	SM 2320B	

Notes:

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

GEL LABORATORIES LLC
2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: February 12, 2026

Georgia Power, Southern Company
241 Ralph McGill Blvd NE
Bin 10060
Atlanta, Georgia

Contact: **Chris Tidwell**

Workorder: **761844**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis - ICPMS											
Batch 2936484											
QC1206364752 LCS											
Aluminum	2.00			2.10	mg/L		105	(80%-120%)	PRB	02/10/26	19:31
Iron	2.00			2.08	mg/L		104	(80%-120%)			
Magnesium	2.00			2.04	mg/L		102	(80%-120%)			
Manganese	0.0500			0.0514	mg/L		103	(80%-120%)			
Potassium	2.00			1.94	mg/L		97.2	(80%-120%)			
Sodium	2.00			2.00	mg/L		100	(80%-120%)			
QC1206364751 MB											
Aluminum			U	ND	mg/L					02/10/26	19:23
Iron			U	ND	mg/L						
Magnesium			U	ND	mg/L						
Manganese			U	ND	mg/L						
Potassium			U	ND	mg/L						
Sodium			U	ND	mg/L						

QC Summary

Workorder: **761844**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936484										
QC1206364753 761844001 MS										
Aluminum	2.00	0.439		2.53	mg/L		104	(75%-125%)	PRB	02/10/26 19:37
Iron	2.00	11.7		13.6	mg/L		N/A	(75%-125%)		
Magnesium	2.00	59.1		62.7	mg/L		N/A	(75%-125%)		02/10/26 19:51
Manganese	0.0500	0.526		0.579	mg/L		N/A	(75%-125%)		02/10/26 19:37
Potassium	2.00	18.6		20.9	mg/L		N/A	(75%-125%)		
Sodium	2.00	98.9		102	mg/L		N/A	(75%-125%)		02/10/26 19:51
QC1206364754 761844001 MSD										
Aluminum	2.00	0.439		2.53	mg/L	0.0353	104	(0%-20%)		02/10/26 19:39
Iron	2.00	11.7		13.7	mg/L	0.593	N/A	(0%-20%)		
Magnesium	2.00	59.1		63.1	mg/L	0.673	N/A	(0%-20%)		02/10/26 19:54
Manganese	0.0500	0.526		0.589	mg/L	1.71	N/A	(0%-20%)		02/10/26 19:39
Potassium	2.00	18.6		21.1	mg/L	0.967	N/A	(0%-20%)		
Sodium	2.00	98.9		102	mg/L	0.116	N/A	(0%-20%)		02/10/26 19:54
QC1206364756 761844001 SDILT										
Aluminum		439		87.9	ug/L	.0636		(0%-20%)		02/10/26 19:45
Iron		11700		2350	ug/L	.733		(0%-20%)		

QC Summary

Workorder: **761844**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Metals Analysis - ICPMS										
Batch 2936484										
Magnesium		59100		59600	ug/L	.867		(0%-20%)	PRB	02/10/26 19:57
Manganese		526		108	ug/L	2.3		(0%-20%)		02/10/26 19:45
Potassium		18600		3500	ug/L	6.25		(0%-20%)		
Sodium		98900		96300	ug/L	2.62		(0%-20%)		02/10/26 19:57
Titration and Ion Analysis										
Batch 2940543										
QC1206371168 761961001 DUP										
Alkalinity, Total as CaCO3		98.7		98.4	mg/L	0.29		(0%-20%)	IS2	02/05/26 12:01
Bicarbonate alkalinity (CaCO3)		98.7		98.4	mg/L	0.29		(0%-20%)		
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A				
QC1206371167 LCS										
Alkalinity, Total as CaCO3	15.0			13.6	mg/L		90.7	(90%-110%)		02/05/26 11:29
QC1206371172 LCS										
Alkalinity, Total as CaCO3	50.0			52.8	mg/L		106	(90%-110%)		02/05/26 11:31
QC1206371169 761961001 MS										
Alkalinity, Total as CaCO3	71.4	98.7		173	mg/L		104	(80%-120%)		02/05/26 12:02
Batch 2941842										
QC1206373307 761844007 DUP										
Alkalinity, Total as CaCO3		209		209	mg/L	0		(0%-20%)	IS2	02/06/26 15:31
Bicarbonate alkalinity (CaCO3)		209		209	mg/L	0		(0%-20%)		

QC Summary

Workorder: **761844**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Titration and Ion Analysis										
Batch 2941842										
Carbonate alkalinity (CaCO3)	U	ND	U	ND	mg/L	N/A			IS2	02/06/26 15:31
QC1206373306 LCS										
Alkalinity, Total as CaCO3	15.0			13.9	mg/L		92.7	(90%-110%)		02/06/26 15:25
QC1206373347 LCS										
Alkalinity, Total as CaCO3	50.0			53.0	mg/L		106	(90%-110%)		02/06/26 15:27
QC1206373308 761844007 MS										
Alkalinity, Total as CaCO3	50.0	209		261	mg/L		N/A	(80%-120%)		02/06/26 15:33

Notes:

The Qualifiers in this report are defined as follows:

U U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

J J Value is estimated

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Metals

Product: **Determination of Metals by ICP-MS**
Analytical Method: SW846 3005A/6020B
Analytical Procedure: GL-MA-E-014 REV# 37
Analytical Batch: 2936484

Preparation Method: SW846 3005A
Preparation Procedure: GL-MA-E-006 REV# 15
Preparation Batch: 2936483

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761844001	KRA-GWB-5R
761844002	KRA-GWB-6R
761844003	KRA-GWC-2
761844004	KRA-GWC-9
761844005	KRA-GWC-12
761844006	KRA-GWC-13
761844007	KRA-GWC-14
761844008	KRA-GWC-16
761844009	KRA-GWC-17
761844010	KRA-GWC-21
761844011	KRA-GWC-22
761844012	KRA-MW-23D
761844013	KRA-MW-24D
761844014	KRA-MW-26D
1206364751	Method Blank (MB)**ICP-MS Batch 2936484**
1206364752	Laboratory Control Sample (LCS)
1206364756	761844001(KRA-GWB-5RL) Serial Dilution (SD)
1206364753	761844001(KRA-GWB-5RS) Matrix Spike (MS)
1206364754	761844001(KRA-GWB-5RSD) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

ICSA/ICSAB Statement
For the ICP-MS analysis, the ICSA solution contains analyte concentrations which are verified trace impurities indigenous to the purchased standard.

Technical Information

Sample Dilutions
Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range. Samples 761844001 (KRA-GWB-5R), 761844002 (KRA-GWB-6R), 761844005 (KRA-GWC-12), 761844007 (KRA-GWC-14), 761844008 (KRA-GWC-16), 761844009 (KRA-GWC-17), 761844010 (KRA-GWC-21) and 761844011 (KRA-GWC-22) were diluted to ensure that the analyte concentrations were within the linear calibration range of the instrument.

Analyte	761844							
	001	**002**	**005**	**007**	**008**	**009**	**010**	**011**
Magnesium	50X				10X	10X	10X	10X
Manganese		20X		10X				
Potassium					10X			
Sodium	50X	20X	10X		10X	10X	10X	10X

General Chemistry

Product: **Alkalinity**
Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2940543

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761844001	KRA-GWB-5R
761844002	KRA-GWB-6R
761844003	KRA-GWC-2
761844004	KRA-GWC-9
761844005	KRA-GWC-12
761844006	KRA-GWC-13
1206371167	Laboratory Control Sample (LCS) **Batch 2940543**
1206371168	761961001(NonSDG) Sample Duplicate (DUP)
1206371169	761961001(NonSDG) Matrix Spike (MS)
1206371172	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments
A reduced aliquot was used due to limited sample volume. 1206371168 (Non SDG 761961001DUP) and 1206371169 (Non SDG 761961001MS).

Product: **Alkalinity**

Analytical Method: SM 2320B
Analytical Procedure: GL-GC-E-033 REV# 18
Analytical Batch: 2941842

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
761844007	KRA-GWC-14
761844008	KRA-GWC-16
761844009	KRA-GWC-17
761844010	KRA-GWC-21
761844011	KRA-GWC-22
761844012	KRA-MW-23D
761844013	KRA-MW-24D
761844014	KRA-MW-26D
1206373306	Laboratory Control Sample (LCS) **Batch 2941842**
1206373307	761844007(KRA-GWC-14) Sample Duplicate (DUP)
1206373308	761844007(KRA-GWC-14) Matrix Spike (MS)
1206373347	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

Page: 1 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

761844

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Chain of Custody and Analytical Request

GEL Work Order Number: **GEL Project Manager: Abagail Martin**

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: JB, RJ, JM. CLACC Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID * For composites - indicate start and stop date/time	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	Should this sample be considered: (7) Known or possible Hazards	Total number of containers	Total & Bicarb Alk SM 2320B	NI Metals * EPA 6020, 6010	<-- Preservative Type (6)
KRA- GWB-5R	01-28-26	1025	G	N	WG			2	✓	✓	
KRA- GWB-6R	01-28-26	1220	G	N	WG			2	✓	✓	
KRA- GWC-2	01-28-26	1433	G	N	WG			2	✓	✓	
KRA- GWC-9	01-28-26	0940	G	N	WG			2	✓	✓	
KRA- GWC-12	01-28-26	1600	G	N	WG			2	✓	✓	
KRA- GWC-13	01-28-26	1417	G	N	WG			2	✓	✓	
KRA- GWC-14	01-28-26	1537	G	N	WG			2	✓	✓	
KRA- GWG16	01-28-26	1117	G	N	WG			2	✓	✓	
KRA- GWC-17	01-28-26	1515	G	N	WG			2	✓	✓	
KRA- GWC-21	01-28-26	0957	G	N	WG			2	✓	✓	

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	1/29/26	1058	1	1.29.26	1028
2			2		
3			3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: Al, Fe, Mg, Mn, K, Na**

For Lab Receiving Use Only: *Custody Seal Intact?* [ ] Yes [ ] No *Cooler Temp:* 1 °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a - **Y** - for yes the sample was field filtered or - **N** - for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B**, **6010B/7470A**) and number of containers provided for each (i.e. *8260B* - **3**, *6010B/7470A* - **1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

Page: 2 of 2
Project #
GEL Quote #:
COC Number (1):
PO Number: GPC82177-0004

GEL Laboratories LLC
gel.com
Chemistry | Radiochemistry | Radiobioassay | Specialty Analytics

Chain of Custody and Analytical Request

GEL Work Order Number:

GEL Project Manager: Abagail Martin

GEL Laboratories, LLC
2040 Savage Road
Charleston, SC 29407
Phone: (843) 556-8171
Fax: (843) 766-1178

Client Name: GA Power — Phone # 404-506-7116
Project/Site Name: Plant Kraft - Grumman Road Landfill — Fax #
Address: 241 Ralph McGill Blvd SE, Atlanta GA 30308
Collected By: JD, CK, JM, DS ACC — Send Results To: SCS & ACC Contacts

Sample Analysis Requested (5) (Fill in the number of containers for each test)

Sample ID (* For composites - indicate start and stop date/time)	*Date Collected (mm-dd-yy)	*Time Collected (Military) (hhmm)	QC Code (2)	Field Filtered (3)	Sample Matrix (4)	Should this sample be considered: Radioactive (If yes, please supply isotopic info.)	(7) Known or possible Hazards	Total number of containers	Total & Bicarb Alk SM 2320B	Metals * EPA 6020, 6010	NI	<-- Preservative Type (6)
KRA- GWC-22	01-28-26	1240	G	N	WG			2	✓	✓		
KRA- MW-23D	01-28-26	1151	G	N	WG			2	✓	✓		
KRA- MW-24D	01-28-26	1234	G	N	WG			2	✓	✓		
KRA- MW-26D	01-28-26	1305	G	N	WG			2	✓	✓		
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												
KRA-												

Comments
Note: extra sample is required for sample specific QC
Task_Code: KRA-CCR-ASSMT-2026S1

Chain of Custody Signatures

Relinquished By (Signed)	Date	Time	Received by (signed)	Date	Time
1	1/29/26	1054	1	1-29-26	1058
2			2		
3			3		

TAT Requested: Normal: x Rush: ____ Specify: ____ (Subject to Surcharge)

Fax Results: [ ] Yes [x] No

Select Deliverable: [ ] C of A [ ] QC Summary [ ] level 1 [x] Level 2 [ ] Level 3 [ ] Level 4

Additional Remarks: * **Metals: Al, Fe, Mg, Mn, K, Na**

For Lab Receiving Use Only: Custody Seal Intact? [ ] Yes [ ] No *Cooler Temp:* 1 °C

> *For sample shipping and delivery details, see Sample Receipt & Review form (SRR.)*

Sample Collection Time Zone: [x] Eastern [ ] Pacific [ ] Central [ ] Mountain [ ] Other:

1.) Chain of Custody Number = Client Determined

2.) QC Codes: **N** = Normal Sample, **TB** = Trip Blank, **FD** = Field Duplicate, **EB** = Equipment Blank, **MS** = Matrix Spike Sample, **MSD** = Matrix Spike Duplicate Sample, **G** = Grab, **C** = Composite

3.) Field Filtered: For liquid matrices, indicate with a **- Y -** for yes the sample was field filtered or **- N -** for sample was not field filtered.

4.) Matrix Codes: **WD**=Drinking Water, **WG**=Groundwater, **WS**=Surface Water, **WW**=Waste Water, **WL**=Leachate, **SO**=Soil, **SE**=Sediment, **SL**=Sludge, **WQ**=Water Quality Control Matrix

5.) Sample Analysis Requested: Analytical method requested (i.e. **8260B, 6010B/7470A**) and number of containers provided for each (i.e. *8260B* **- 3**, *6010B/7470A* **- 1**).

6.) Preservative Type: **HA** = Hydrochloric Acid, **NI** = Nitric Acid, **SH** = Sodium Hydroxide, **SA** = Sulfuric Acid, **AA** = Ascorbic Acid, **HX** = Hexane, **ST** = Sodium Thiosulfate, If no preservative is added = leave field blank

7.) **KNOWN OR POSSIBLE HAZARDS**

RCRA Metals
As = Arsenic **Hg**= Mercury
Ba = Barium **Se**= Selenium
Cd = Cadmium **Ag**= Silver
Cr = Chromium **MR**= Misc. RCRA metals
Pb = Lead

Characteristic Hazards
FL = Flammable/Ignitable
CO = Corrosive
RE = Reactive

TSCA Regulated
PCB = Polychlorinated biphenyls

Listed Waste
LW= Listed Waste
(F,K,P and U-listed wastes.)
Waste code(s):

Other
OT= Other / Unknown
(i.e.: High/low pH, asbestos, beryllium, irritants, other misc. health hazards, etc.)
Description:

Please provide any additional details below regarding handling and/or disposal concerns. *(i.e.: Origin of sample(s), type of site collected from, odd matrices, etc.)*

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: GPCC | SDG/AR/COC/Work Order: 761844 | GEL PM: AM

Received By: CLM | Date Received at GEL: 11/29/24

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other: | IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	1°		Cooler 6	1°	
2	1°		7	1°	
3	1°				
4	1°				
5	1°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?			✓	Preserved per COC request or list Sample IDs and Containers Affected: KRA-Clifton - Seep analysis: Metals, Radium 226 & 228, NH3, TKN, & Nitric; If Preservation added, Lot#: Sulfuric:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?			✓	Circle Applicable: No container count on COC Missing Container (provide details) Other (describe) Only received 1 metals container for each ID.
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:
5.) EPA 350.1, 351.2. Lot# for Nitric ~~b2304~~ cum lot# 624042 4BP Sulfuric Lot# 20240813 28. Attempted to preserve the samples held for analysis: NH3 but all others did not.

PM (or PMA) review: Initials _____ Date _____

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 12 February 2026

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approval	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of LA	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122025-50
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

LEVEL 2A LABORATORY DATA VALIDATIONS

Grumman Road

Annual Event

January 2026

Georgia Power Company – Grumman Road

Quality Control Review of Analytical Data – January 2026

This narrative presents results of the Quality Control (QC) data review performed on analytical results submitted by GEL Laboratories LLC for groundwater samples collected at Grumman Road between January 27, 2026 and January 28, 2026. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix.

In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions (USEPA Method 300.0), Solids in Water (Standard Methods 2540C), Radium-226 (USEPA Method 903.1 Modified), and Radium-228 (USEPA Method 904.0 Modified).

Data were reviewed in accordance with the USEPA Region 4 Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[1] and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)[2]. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (field, equipment, and laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met, except for radium-226 and radium-228 from KRA-GWA-7 (761703001) and radium-226 from KRA-GWC-12 as described in the qualifications section below.

Field Precision: Field goals for precision were met, except for radium-226 from KRA-GWC-1 (761703003), KRA-MW-24D (761849009), and KRA-GWC-14 (761849003) as described in the qualifications section below.

Accuracy: Laboratory goals for accuracy were met, except for dissolved mercury from KRA-GWA-7 (761697001) as described in the qualifications section below.

Detection Limits: Project goals for detection limits were met. Certain samples were diluted due to the concentration of target or non-target analyte interferences. Dilutions do not require qualifications based on USEPA guidelines. Reporting limits (RLs) of non-detect compounds are elevated proportional to the dilution when undiluted sample results were not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

J+: The analyte was positively identified above the method detection limit; however, the analyte was also detected in a method blank, field blank, and/or equipment blank.

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the estimated concentration of the analyte in the sample.

U: The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Sample KRA-GWA-7 (761697001) was qualified as estimated (J) for dissolved mercury as the matrix spike (MS) exceeded QC criteria (70.2%, below range of 75-125).

- Sample KRA-GWA-7 (761697001) was qualified as estimated (J) for dissolved mercury as the post spike (PS) exceeded QC criteria (73.0%, below range of 80-120).

- Sample KRA-GWA-7 (761703001) was qualified as estimated (J) for radium-226 and radium-228 as the laboratory relative percent differences (RPDs) exceeded QC criteria (22.5% and 42.5%, respectively, above limit of 20).

- Sample KRA-GWC-12 (761849001) was qualified as estimated (J) for radium-226 as the laboratory RPD exceeded QC criteria (22.6%, above limit of 20).

- Samples KRA-GWC-1 (761703003), KRA-GRL-FD-01 (761703011), KRA-GWC-14 (761849003), KRA-GRL-FD-03 (761849012), KRA-MW-24D (761849009), and KRA-GRL-FD-02 (761849011) were qualified as estimated (J) for radium-226 as the field RPDs exceeded QC criteria (105.4%, 26.2%, and 37.2%, respectively, above limit of 20).

- Samples KRA-GWC-22 (761846007), KRA-MW-24D (761846009), KRA-MW-26D (761846010), KRA-GRL-FD-02 (761846011), and KRA-GWB-6R (761846018) were qualified as non-detect (U) for molybdenum due to the analyte being detected at a similar concentration in an associated laboratory method blank. As shown in Table 2, when the original sample result was above the minimum detection limit (MDL) and the associated method blank detection, the new MDL was raised to the detectable concentration of the sample as part of the qualification process.

- Samples KRA-GWC-14 (761846003), KRA-GWC-16 (761846004), KRA-GWC-17 (761846005), KRA-GWC-21 (761846006), and KRA-GRL-FD-03 (761846012) were qualified as potentially high biased (J+) for molybdenum due to the analyte being detected in an associated laboratory method blank, as shown in Table 2.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from Grumman Road sampled between January 27, 2026 and January 28, 2026 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

[1]USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy, Revision 2.0

[2]USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Sample Summary Table – January 2026

Georgia Power Company – Grumman Road

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
761702	KRA-GWA-7	01/27/26	761702001	WG		X	X	X	
761703	KRA-GWA-7	01/27/26	761703001	WG					X
761697	KRA-GWA-7	01/27/26	761697001	WG		X			
761702	KRA-GWC-20	01/27/26	761702002	WG		X	X	X	
761703	KRA-GWC-20	01/27/26	761703002	WG					X
761702	KRA-GWC-1	01/27/26	761702003	WG		X	X	X	
761703	KRA-GWC-1	01/27/26	761703003	WG					X
761702	KRA-MW-25D	01/27/26	761702004	WG		X	X	X	
761703	KRA-MW-25D	01/27/26	761703004	WG					X
761702	KRA-GWA-8	01/27/26	761702005	WG		X	X	X	
761703	KRA-GWA-8	01/27/26	761703005	WG					X
761702	KRA-GWB-4R	01/27/26	761702006	WG		X	X	X	
761703	KRA-GWB-4R	01/27/26	761703006	WG					X
761702	KRA-GWC-11	01/27/26	761702007	WG		X	X	X	
761703	KRA-GWC-11	01/27/26	761703007	WG					X
761702	KRA-GWC-15	01/27/26	761702008	WG		X	X	X	
761703	KRA-GWC-15	01/27/26	761703008	WG					X
761702	KRA-GRL-FB-01	01/27/26	761702009	WQ	FB	X	X	X	
761703	KRA-GRL-FB-01	01/27/26	761703009	WQ	FB				X
761702	KRA-GRL-EB-04	01/27/26	761702010	WQ	EB	X	X	X	
761703	KRA-GRL-EB-04	01/27/26	761703010	WQ	EB				X
761702	KRA-GRL-FD-01	01/27/26	761702011	WG	FD (KRA-GWC-1)	X	X	X	
761703	KRA-GRL-FD-01	01/27/26	761703011	WG	FD (KRA-GWC-1)				X
761846	KRA-GWC-12	01/28/26	761846001	WG		X	X	X	
761849	KRA-GWC-12	01/28/26	761849001	WG					X
761846	KRA-GWC-13	01/28/26	761846002	WG		X	X	X	
761849	KRA-GWC-13	01/28/26	761849002	WG					X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
WG – Groundwater
WQ – Water Quality Control

TABLE 1 (continued)

Sample Summary Table – January 2026

Georgia Power Company – Grumman Road

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
761846	KRA-GWC-14	01/28/26	761846003	WG		X	X	X	
761849	KRA-GWC-14	01/28/26	761849003	WG					X
761846	KRA-GWC-16	01/28/26	761846004	WG		X	X	X	
761849	KRA-GWC-16	01/28/26	761849004	WG					X
761846	KRA-GWC-17	01/28/26	761846005	WG		X	X	X	
761849	KRA-GWC-17	01/28/26	761849005	WG					X
761846	KRA-GWC-21	01/28/26	761846006	WG		X	X	X	
761849	KRA-GWC-21	01/28/26	761849006	WG					X
761846	KRA-GWC-22	01/28/26	761846007	WG		X	X	X	
761849	KRA-GWC-22	01/28/26	761849007	WG					X
761846	KRA-MW-23D	01/28/26	761846008	WG		X	X	X	
761849	KRA-MW-23D	01/28/26	761849008	WG					X
761846	KRA-MW-24D	01/28/26	761846009	WG		X	X	X	
761849	KRA-MW-24D	01/28/26	761849009	WG					X
761846	KRA-MW-26D	01/28/26	761846010	WG		X	X	X	
761849	KRA-MW-26D	01/28/26	761849010	WG					X
761846	KRA-GRL-FD-02	01/28/26	761846011	WG	FD (KRA-MW-24D)	X	X	X	
761849	KRA-GRL-FD-02	01/28/26	761849011	WG	FD (KRA-MW-24D)				X
761846	KRA-GRL-FD-03	01/28/26	761846012	WG	FD (KRA-GWC-14)	X	X	X	
761849	KRA-GRL-FD-03	01/28/26	761849012	WG	FD (KRA-GWC-14)				X
761846	KRA-GRL-FB-02	01/28/26	761846013	WQ	FB	X	X	X	
761849	KRA-GRL-FB-02	01/28/26	761849013	WQ	FB				X
761846	KRA-GRL-FB-03	01/28/26	761846014	WQ	FB	X	X	X	
761849	KRA-GRL-FB-03	01/28/26	761849014	WQ	FB				X
761846	KRA-GRL-EB-05	01/28/26	761846015	WQ	EB	X	X	X	
761849	KRA-GRL-EB-05	01/28/26	761849015	WQ	EB				X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
WG – Groundwater
WQ – Water Quality Control

TABLE 1 (continued)

Sample Summary Table – January 2026

Georgia Power Company – Grumman Road

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
761846	KRA-GRL-EB-06	01/28/26	761846016	WQ	EB	X	X	X	
761849	KRA-GRL-EB-06	01/28/26	761849016	WQ	EB				X
761846	KRA-GWB-5R	01/28/26	761846017	WG		X	X	X	
761849	KRA-GWB-5R	01/28/26	761849017	WG					X
761846	KRA-GWB-6R	01/28/26	761846018	WG		X	X	X	
761849	KRA-GWB-6R	01/28/26	761849018	WG					X
761846	KRA-GWC-2	01/28/26	761846019	WG		X	X	X	
761849	KRA-GWC-2	01/28/26	761849019	WG					X
761846	KRA-GWC-9	01/28/26	761846020	WG		X	X	X	
761849	KRA-GWC-9	01/28/26	761849020	WG					X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
WG – Groundwater
WQ – Water Quality Control

TABLE 2

Qualifier Summary Table – January 2026

Georgia Power Company – Grumman Road

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
761846	KRA-GWC-14	Molybdenum			J+	Blank detection
761846	KRA-GWC-16	Molybdenum			J+	Blank detection
761846	KRA-GWC-17	Molybdenum			J+	Blank detection
761846	KRA-GWC-21	Molybdenum			J+	Blank detection
761846	KRA-GWC-22	Molybdenum		0.000321	U	Blank detection
761846	KRA-MW-24D	Molybdenum		0.000879	U	Blank detection
761846	KRA-MW-26D	Molybdenum		0.000204	U	Blank detection
761846	KRA-GRL-FD-02	Molybdenum		0.000501	U	Blank detection
761846	KRA-GRL-FD-03	Molybdenum			J+	Blank detection
761846	KRA-GWB-6R	Molybdenum		0.000615	U	Blank detection
761703	KRA-GWA-7	Radium-226			J	RPD exceeds lab goal
761703	KRA-GWA-7	Radium-228			J	RPD exceeds lab goal
761849	KRA-GWC-12	Radium-226			J	RPD exceeds lab goal
761703	KRA-GWC-1	Radium-226			J	RPD exceeds field goal
761703	KRA-GRL-FD-01	Radium-226			J	RPD exceeds field goal
761849	KRA-GWC-14	Radium-226			J	RPD exceeds field goal
761849	KRA-GRL-FD-03	Radium-226			J	RPD exceeds field goal
761849	KRA-MW-24D	Radium-226			J	RPD exceeds field goal
761849	KRA-GRL-FD-02	Radium-226			J	RPD exceeds field goal
761697	KRA-GWA-7	Dissolved Mercury			J	MS/PS outside QC criteria

Abbreviations:
MDC – Minimum Detectable Concentration
MS/MSD – Matrix Spike / Matrix Spike Duplicate
MDL – Method Detection Limit
PS – Post Spike
QC – Quality Control
RL – Reporting Limit
RPD – Relative Percent Difference
SDG – Sample Delivery Group
TDS – Total Dissolved Solids

Qualifiers:
J+ – Field or Equipment Blank Detection
J – Estimated Result
U – Non-Detect Result

LEVEL 2A LABORATORY DATA VALIDATIONS

Grumman Road – Clifton Seep

Annual Event

January 2026

Georgia Power Company – Clifton Seep

Quality Control Review of Analytical Data – January 2026

This narrative presents results of the Quality Control (QC) data review performed on analytical results submitted by GEL Laboratories LLC for the water sample collected at Grumman Road Clifton Seep on January 28, 2026. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample location, analytical parameters, QC samples, sampling date, and laboratory sample delivery group (SDG) designation is summarized in Table 1 of this Appendix.

In accordance with water monitoring and corrective action procedures discussed in Title 40 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the sample was analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III, assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV, and other relevant parameters. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions (USEPA Method 300.0), Solids in Water (Standard Methods 2540C), Radium-226 (USEPA 903.1 Modified), and Radium-228 (USEPA Method 904.0 Modified) as well as select geochemical indicator parameters.

Data were reviewed in accordance with the USEPA Region IV Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[1] and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)[2]. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were not applicable to this sampling event.

Accuracy: Laboratory goals for accuracy were met.

Detection Limits: Project goals for detection limits were met. Certain analyses were diluted due to the concentration of target or non-target analyte interferences. Dilutions do not require qualifications based on USEPA guidelines. Reporting limits (RLs) of non-detect compounds are elevated proportional to the dilution when undiluted sample results were not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the sample collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

J+: The analyte was positively identified above the method detection limit; however, the analyte was also detected in a method blank, field blank, and/or equipment blank.

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the estimated concentration of the analyte in the sample.

U: The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from Grumman Road Clifton Seep sampled on January 28, 2026 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

[1]USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy, Revision 2.0

[2]USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Sample Summary Table – January 2026

Georgia Power Company – Clifton Seep

						Analyses			
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B, 7470A)	Anions (300.0)	TDS (SM 2540C)	Radium-226/-228 (903.1M, 904.0M)
761851	CLIFTON SEEP	1/28/2026	761851001	WL		X	X	X	
761852	CLIFTON SEEP	1/28/2026	761852001	WL					X

Abbreviations:
EB – Equipment Blank
FB – Field Blank
FD – Field Duplicate
GW – Groundwater
QC – Quality Control
SDG – Sample Delivery Group
TDS – Total Dissolved Solids
W – Water
WQ – Water Quality Control

LEVEL 2A LABORATORY DATA VALIDATIONS

Grumman Road

Geochemical Parameters Event

January 2026

Georgia Power Company – Grumman Road

Quality Control Review of Analytical Data – January 2026

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by GEL Laboratories LLC for groundwater samples collected at Grumman Road between January 27, 2026 and January 28, 2026. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix.

The samples were analyzed for geochemical parameters. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B) and Alkalinity in Water (Standard Methods 2320B).

Data were reviewed in accordance with the USEPA Region 4 Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)[1] and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)[2]. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were not applicable to this sampling event.

Accuracy: Laboratory goals for accuracy were met.

Detection Limits: Project goals for detection limits were met. Certain samples were diluted due to the concentration of target or non-target analyte interferences. Dilutions do not require qualifications based on USEPA guidelines. Reporting limits (RLs) of non-detect compounds are elevated proportional to the dilution when undiluted sample results were not provided by the laboratory. The data usability of diluted results was evaluated by the data user in the context of site-wide characterization.

Completeness: There were no rejected analytical results for this event, resulting in a completion of 100%.

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

J+: The analyte was positively identified above the method detection limit; however, the analyte was also detected in a method blank, field blank, and/or equipment blank.

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the estimated concentration of the analyte in the sample.

U: The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines except as specified below. The applied qualifications may not have been required for all samples collected at the site. A summary of sample qualifications can be found in Table 2 of this Appendix.

- Samples KRA-GWA-7 (761701001), KRA-GWC-20 (761701002), KRA-GWC-1 (761701003), KRA-MW-25D (761701004), KRA-GWA-8 (761701005), KRA-GWB-4R (761701006), KRA-GWC-11 (761701007), and KRA-GWC-15 (761701008) were qualified as potentially high biased (J+) for magnesium due to the analyte being detected in an associated laboratory method blank, as shown in Table 2.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from Grumman Road sampled between January 27, 2026 and January 28, 2026 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

[1]USEPA, September 2011, Region 4, Science and Ecosystem Support Division, Quality Assurance Section, MTSB, Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy, Revision 2.0

[2]USEPA, January 2017, National Office of Superfund Remediation and Technology Innovation, National Functional Guidelines for Inorganic Superfund Methods Data Review, Revision 0.0

TABLE 1

Sample Summary Table – January 2026

Georgia Power Company – Grumman Road

						Analyses	
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020B)	Alkalinity (SM 2320B)
761701	KRA-GWA-7	01/27/26	761701001	WG		X	X
761701	KRA-GWC-20	01/27/26	761701002	WG		X	X
761701	KRA-GWC-1	01/27/26	761701003	WG		X	X
761701	KRA-MW-25D	01/27/26	761701004	WG		X	X
761701	KRA-GWA-8	01/27/26	761701005	WG		X	X
761701	KRA-GWB-4R	01/27/26	761701006	WG		X	X
761701	KRA-GWC-11	01/27/26	761701007	WG		X	X
761701	KRA-GWC-15	01/27/26	761701008	WG		X	X
761844	KRA-GWB-5R	01/28/26	761844001	WG		X	X
761844	KRA-GWB-6R	01/28/26	761844002	WG		X	X
761844	KRA-GWC-2	01/28/26	761844003	WG		X	X
761844	KRA-GWC-9	01/28/26	761844004	WG		X	X
761844	KRA-GWC-12	01/28/26	761844005	WG		X	X
761844	KRA-GWC-13	01/28/26	761844006	WG		X	X
761844	KRA-GWC-14	01/28/26	761844007	WG		X	X
761844	KRA-GWC-16	01/28/26	761844008	WG		X	X
761844	KRA-GWC-17	01/28/26	761844009	WG		X	X
761844	KRA-GWC-21	01/28/26	761844010	WG		X	X
761844	KRA-GWC-22	01/28/26	761844011	WG		X	X
761844	KRA-MW-23D	01/28/26	761844012	WG		X	X
761844	KRA-MW-24D	01/28/26	761844013	WG		X	X
761844	KRA-MW-26D	01/28/26	761844014	WG		X	X

Abbreviations:
QC – Quality Control
SDG – Sample Delivery Group
WG – Groundwater

TABLE 2

Qualifier Summary Table – January 2026

Georgia Power Company – Grumman Road

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
761701	KRA-GWA-7	Magnesium			J+	Blank detection
761701	KRA-GWC-20	Magnesium			J+	Blank detection
761701	KRA-GWC-1	Magnesium			J+	Blank detection
761701	KRA-MW-25D	Magnesium			J+	Blank detection
761701	KRA-GWA-8	Magnesium			J+	Blank detection
761701	KRA-GWB-4R	Magnesium			J+	Blank detection
761701	KRA-GWC-11	Magnesium			J+	Blank detection
761701	KRA-GWC-15	Magnesium			J+	Blank detection

Abbreviations:
MDC – Minimum Detectable Concentration
MS/MSD – Matrix Spike / Matrix Spike Duplicate
MDL – Method Detection Limit
PS – Post Spike
QC – Quality Control
RL – Reporting Limit
RPD – Relative Percent Difference
SDG – Sample Delivery Group
TDS – Total Dissolved Solids

Qualifiers:
J+ – Field or Equipment Blank Detection
J – Estimated Result
U – Non-Detect Result

Low-Flow Test Report:

Test Date / Time: 1/27/2026 9:50:39 AM
Project: Grumman Road Landfill
Operator Name: J. Berisford

Location Name: GWA-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 15.91 ft** **Total Depth: 20.91 ft** **Initial Depth to Water: 7.51 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 8.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sunny, sample time-1020 fe2+=1.5 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 5	
1/27/2026 9:50 AM	00:00	6.220 pH	17.17 °C	1,697 µS/cm	0.199 mg/L	34.00 NTU	132.2 mV	7.510 ft	250.0 ml/min
1/27/2026 9:55 AM	05:00	6.246 pH	17.65 °C	1,691 µS/cm	0.093 mg/L	78.00 NTU	110.3 mV	8.000 ft	250.0 ml/min
1/27/2026 10:00 AM	10:00	6.222 pH	18.58 °C	1,698 µS/cm	0.055 mg/L	134.0 NTU	87.1 mV	8.200 ft	250.0 ml/min
1/27/2026 10:05 AM	15:00	6.209 pH	18.71 °C	1,703 µS/cm	0.032 mg/L	138.0 NTU	91.2 mV	8.200 ft	250.0 ml/min
1/27/2026 10:10 AM	20:00	6.193 pH	18.77 °C	1,711 µS/cm	0.028 mg/L	141.0 NTU	100.4 mV	8.200 ft	250.0 ml/min
1/27/2026 10:15 AM	25:00	6.195 pH	18.81 °C	1,714 µS/cm	0.012 mg/L	139.0 NTU	94.2 mV	8.200 ft	250.0 ml/min
1/27/2026 10:20 AM	30:00	6.188 pH	18.91 °C	1,712 µS/cm	0.001 mg/L	144.0 NTU	74.7 mV	8.200 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/27/2026 10:05:13 AM
Project: Grumman Road Landfill
Operator Name: C.Klamke

Location Name: GWA-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 15.19 ft** **Total Depth: 20.19 ft** **Initial Depth to Water: 8.18 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17.19 ft** **Estimated Total Volume Pumped: 11 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.46 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1100, Sunny 27 degrees, FE2+= 2.5 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 10:05 AM	00:00	4.667 pH	12.25 °C	169.0 µS/cm	1.471 mg/L	3.530 NTU	220.7 mV	8.180 ft	200.0 ml/min
1/27/2026 10:10 AM	05:00	4.716 pH	15.17 °C	168.6 µS/cm	1.147 mg/L	4.430 NTU	215.5 mV	9.210 ft	200.0 ml/min
1/27/2026 10:15 AM	10:00	4.736 pH	16.45 °C	167.9 µS/cm	0.996 mg/L	7.450 NTU	204.1 mV	9.420 ft	200.0 ml/min
1/27/2026 10:20 AM	15:00	4.718 pH	16.25 °C	170.8 µS/cm	0.900 mg/L	9.250 NTU	191.6 mV	9.590 ft	200.0 ml/min
1/27/2026 10:25 AM	20:00	4.670 pH	16.52 °C	176.0 µS/cm	0.745 mg/L	8.720 NTU	183.7 mV	9.620 ft	200.0 ml/min
1/27/2026 10:30 AM	25:00	4.602 pH	16.13 °C	187.9 µS/cm	0.593 mg/L	6.720 NTU	160.0 mV	9.620 ft	200.0 ml/min
1/27/2026 10:35 AM	30:00	4.531 pH	17.07 °C	202.1 µS/cm	0.493 mg/L	4.770 NTU	133.6 mV	9.630 ft	200.0 ml/min
1/27/2026 10:40 AM	35:00	4.498 pH	16.71 °C	211.3 µS/cm	0.409 mg/L	3.480 NTU	111.0 mV	9.640 ft	200.0 ml/min
1/27/2026 10:45 AM	40:00	4.439 pH	17.24 °C	222.9 µS/cm	0.341 mg/L	2.930 NTU	103.3 mV	9.640 ft	200.0 ml/min
1/27/2026 10:50 AM	45:00	4.423 pH	17.13 °C	227.8 µS/cm	0.320 mg/L	2.240 NTU	93.9 mV	9.640 ft	200.0 ml/min
1/27/2026 10:55 AM	50:00	4.401 pH	17.48 °C	232.4 µS/cm	0.266 mg/L	1.670 NTU	86.2 mV	9.640 ft	200.0 ml/min
1/27/2026 11:00 AM	55:00	4.392 pH	17.53 °C	233.9 µS/cm	0.248 mg/L	1.390 NTU	83.3 mV	9.640 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/27/2026 2:36:13 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWB-4R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.87 ft** **Total Depth: 26.87 ft** **Initial Depth to Water: 15.23 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 18.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 3.24 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1551
Sunny, 40s
Fe2+ = 1.5 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 2:36 PM	00:00	5.461 pH	19.30 °C	1,426 µS/cm	1.369 mg/L	9.720 NTU	95.3 mV	15.23 ft	250.0 ml/min
1/27/2026 2:41 PM	05:00	5.500 pH	19.66 °C	1,451 µS/cm	0.319 mg/L	8.290 NTU	70.4 mV	15.50 ft	250.0 ml/min
1/27/2026 2:46 PM	10:00	5.521 pH	19.52 °C	1,419 µS/cm	0.217 mg/L	11.30 NTU	61.7 mV	15.50 ft	250.0 ml/min
1/27/2026 2:51 PM	15:00	5.509 pH	19.19 °C	1,384 µS/cm	0.184 mg/L	18.90 NTU	54.6 mV	15.50 ft	250.0 ml/min
1/27/2026 2:56 PM	20:00	5.593 pH	19.23 °C	1,476 µS/cm	0.140 mg/L	13.50 NTU	50.4 mV	15.50 ft	250.0 ml/min
1/27/2026 3:01 PM	25:00	5.669 pH	19.33 °C	1,538 µS/cm	0.125 mg/L	10.70 NTU	41.6 mV	15.50 ft	250.0 ml/min
1/27/2026 3:06 PM	30:00	5.710 pH	19.29 °C	1,577 µS/cm	0.106 mg/L	8.040 NTU	32.8 mV	15.50 ft	250.0 ml/min
1/27/2026 3:11 PM	35:00	5.750 pH	19.16 °C	1,623 µS/cm	0.094 mg/L	8.220 NTU	25.1 mV	15.50 ft	250.0 ml/min
1/27/2026 3:16 PM	40:00	5.789 pH	19.14 °C	1,652 µS/cm	0.085 mg/L	8.480 NTU	18.5 mV	15.50 ft	250.0 ml/min
1/27/2026 3:21 PM	45:00	5.820 pH	19.21 °C	1,683 µS/cm	0.081 mg/L	9.080 NTU	13.2 mV	15.50 ft	250.0 ml/min
1/27/2026 3:26 PM	50:00	5.836 pH	19.15 °C	1,704 µS/cm	0.078 mg/L	9.650 NTU	9.0 mV	15.50 ft	250.0 ml/min
1/27/2026 3:31 PM	55:00	5.858 pH	19.01 °C	1,735 µS/cm	0.090 mg/L	8.450 NTU	1.0 mV	15.50 ft	250.0 ml/min
1/27/2026 3:36 PM	01:00:00	5.874 pH	19.36 °C	1,777 µS/cm	0.075 mg/L	6.690 NTU	-6.1 mV	15.50 ft	250.0 ml/min
1/27/2026 3:41 PM	01:05:00	5.896 pH	19.42 °C	1,815 µS/cm	0.085 mg/L	5.350 NTU	-12.1 mV	15.50 ft	250.0 ml/min

1/27/2026 3:46 PM	01:10:00	5.911 pH	19.29 °C	1,840 µS/cm	0.068 mg/L	5.160 NTU	-17.4 mV	15.50 ft	250.0 ml/min
1/27/2026 3:51 PM	01:15:00	5.922 pH	19.24 °C	1,865 µS/cm	0.076 mg/L	4.480 NTU	-22.8 mV	15.50 ft	250.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/28/2026 9:45:08 AM
Project: Grumman Road Landfill
Operator Name: J. Berisford

Location Name: GWB-5R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.49 ft** **Total Depth: 26.49 ft** **Initial Depth to Water: 10.67 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 21 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sunny, sample time-1025 fe2+=1.5 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 9:45 AM	00:00	5.210 pH	18.68 °C	1,385 µS/cm	0.322 mg/L	10.30 NTU	160.2 mV	10.67 ft	250.0 ml/min
1/28/2026 9:50 AM	05:00	5.211 pH	19.12 °C	1,378 µS/cm	0.215 mg/L	9.900 NTU	106.9 mV	11.20 ft	250.0 ml/min
1/28/2026 9:55 AM	10:00	5.198 pH	19.13 °C	1,378 µS/cm	0.184 mg/L	9.330 NTU	89.3 mV	11.20 ft	250.0 ml/min
1/28/2026 10:00 AM	15:00	5.191 pH	19.38 °C	1,378 µS/cm	0.162 mg/L	8.620 NTU	82.5 mV	11.20 ft	250.0 ml/min
1/28/2026 10:05 AM	20:00	5.190 pH	19.46 °C	1,374 µS/cm	0.140 mg/L	7.040 NTU	79.3 mV	11.20 ft	250.0 ml/min
1/28/2026 10:10 AM	25:00	5.184 pH	19.71 °C	1,384 µS/cm	0.132 mg/L	6.320 NTU	84.5 mV	11.20 ft	250.0 ml/min
1/28/2026 10:15 AM	30:00	5.194 pH	19.57 °C	1,381 µS/cm	0.119 mg/L	5.370 NTU	88.2 mV	11.20 ft	250.0 ml/min
1/28/2026 10:20 AM	35:00	5.195 pH	19.86 °C	1,384 µS/cm	0.112 mg/L	4.710 NTU	82.5 mV	11.20 ft	250.0 ml/min
1/28/2026 10:25 AM	40:00	5.186 pH	19.80 °C	1,386 µS/cm	0.103 mg/L	4.120 NTU	73.6 mV	11.20 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 11:45:08 AM
Project: Grumman Road Landfill
Operator Name: J. Berisford

Location Name: GWB-6R **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 12.86 ft** **Total Depth: 22.86 ft** **Initial Depth to Water: 8.57 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 8.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 3 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sunny, sample time-1220 fe2+= 2.0 mg/L FB-02 here at 1200

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 11:45 AM	00:00	5.561 pH	17.64 °C	1,387 µS/cm	1.760 mg/L	37.00 NTU	54.1 mV	8.570 ft	250.0 ml/min
1/28/2026 11:50 AM	05:00	5.552 pH	18.92 °C	1,366 µS/cm	0.170 mg/L	30.00 NTU	54.5 mV	8.800 ft	250.0 ml/min
1/28/2026 11:55 AM	10:00	5.529 pH	19.25 °C	1,355 µS/cm	0.105 mg/L	21.00 NTU	57.3 mV	8.800 ft	250.0 ml/min
1/28/2026 12:00 PM	15:00	5.523 pH	19.21 °C	1,344 µS/cm	0.071 mg/L	16.00 NTU	57.8 mV	8.800 ft	250.0 ml/min
1/28/2026 12:05 PM	20:00	5.507 pH	19.14 °C	1,340 µS/cm	0.054 mg/L	10.00 NTU	58.8 mV	8.800 ft	250.0 ml/min
1/28/2026 12:10 PM	25:00	5.505 pH	19.25 °C	1,334 µS/cm	0.059 mg/L	5.970 NTU	58.9 mV	8.800 ft	250.0 ml/min
1/28/2026 12:15 PM	30:00	5.516 pH	19.10 °C	1,338 µS/cm	0.050 mg/L	5.820 NTU	58.9 mV	8.800 ft	250.0 ml/min
1/28/2026 12:20 PM	35:00	5.502 pH	19.63 °C	1,338 µS/cm	0.032 mg/L	4.710 NTU	58.8 mV	8.800 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/27/2026 1:17:05 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWC-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.33 ft** **Total Depth: 27.33 ft** **Initial Depth to Water: 19.47 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 0.36 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1342
Sunny, 40s
Fe2+ = 0.0 mg/L
FD-01 poured here

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 1:17 PM	00:00	5.070 pH	18.16 °C	186.2 µS/cm	4.755 mg/L	2.260 NTU	188.2 mV	19.47 ft	300.0 ml/min
1/27/2026 1:22 PM	05:00	5.195 pH	19.52 °C	192.3 µS/cm	3.364 mg/L	1.140 NTU	169.6 mV	19.50 ft	300.0 ml/min
1/27/2026 1:27 PM	10:00	5.582 pH	19.65 °C	296.2 µS/cm	0.326 mg/L	0.500 NTU	151.7 mV	19.50 ft	300.0 ml/min
1/27/2026 1:32 PM	15:00	5.657 pH	19.90 °C	307.4 µS/cm	0.163 mg/L	0.440 NTU	143.2 mV	19.50 ft	300.0 ml/min
1/27/2026 1:37 PM	20:00	5.672 pH	19.74 °C	308.6 µS/cm	0.117 mg/L	0.400 NTU	140.4 mV	19.50 ft	300.0 ml/min
1/27/2026 1:42 PM	25:00	5.681 pH	19.91 °C	309.4 µS/cm	0.098 mg/L	0.430 NTU	138.2 mV	19.50 ft	300.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/28/2026 2:08:36 PM
Project: Grumman Road Landfill
Operator Name: D. Johnson

Location Name: GWC-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 27.08 ft** **Total Depth: 32.08 ft** **Initial Depth to Water: 19.75 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 30 ft** **Estimated Total Volume Pumped: 6.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 1.08 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1433. Sunny, 53 degrees F.
FB-03 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 2:08 PM	00:00	4.405 pH	19.60 °C	48.45 µS/cm	3.119 mg/L	3.770 NTU	49.3 mV	19.75 ft	250.0 ml/min
1/28/2026 2:13 PM	05:00	4.323 pH	19.56 °C	48.21 µS/cm	0.573 mg/L	2.410 NTU	22.0 mV	19.78 ft	250.0 ml/min
1/28/2026 2:18 PM	10:00	4.556 pH	19.65 °C	48.74 µS/cm	0.353 mg/L	2.000 NTU	15.8 mV	19.81 ft	250.0 ml/min
1/28/2026 2:23 PM	15:00	4.577 pH	19.27 °C	48.90 µS/cm	0.309 mg/L	1.930 NTU	8.5 mV	19.82 ft	250.0 ml/min
1/28/2026 2:28 PM	20:00	4.572 pH	19.27 °C	48.95 µS/cm	0.278 mg/L	1.780 NTU	6.1 mV	19.83 ft	250.0 ml/min
1/28/2026 2:33 PM	25:00	4.638 pH	19.41 °C	49.01 µS/cm	0.399 mg/L	1.230 NTU	9.6 mV	19.84 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/27/2026 4:10:21 PM
Project: Grumman Road Landfill
Operator Name: C.Klamke

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.94 ft** **Total Depth: 27.94 ft** **Initial Depth to Water: 9.87 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 15.87 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Purged dry at 1650, log 1

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 4:10 PM	00:00	3.963 pH	18.58 °C	139.8 µS/cm	0.292 mg/L	1.560 NTU	198.3 mV	9.870 ft	250.0 ml/min
1/27/2026 4:15 PM	05:00	4.042 pH	18.74 °C	138.0 µS/cm	0.221 mg/L	1.880 NTU	205.2 mV	14.19 ft	250.0 ml/min
1/27/2026 4:20 PM	10:00	4.073 pH	18.86 °C	138.2 µS/cm	0.197 mg/L	2.480 NTU	211.6 mV	15.85 ft	250.0 ml/min
1/27/2026 4:25 PM	15:00	4.057 pH	18.94 °C	138.1 µS/cm	0.179 mg/L	2.660 NTU	222.3 mV	17.70 ft	250.0 ml/min
1/27/2026 4:30 PM	20:00	4.068 pH	18.80 °C	137.6 µS/cm	0.188 mg/L	4.320 NTU	231.6 mV	19.46 ft	250.0 ml/min
1/27/2026 4:35 PM	25:00	4.080 pH	18.61 °C	137.6 µS/cm	0.199 mg/L	5.650 NTU	248.5 mV	21.05 ft	250.0 ml/min
1/27/2026 4:40 PM	30:00	4.091 pH	18.61 °C	137.1 µS/cm	0.205 mg/L	5.800 NTU	245.5 mV	22.64 ft	250.0 ml/min
1/27/2026 4:45 PM	35:00	4.140 pH	18.96 °C	136.8 µS/cm	0.285 mg/L	5.790 NTU	208.5 mV	24.27 ft	250.0 ml/min
1/27/2026 4:50 PM	40:00	4.301 pH	18.98 °C	134.0 µS/cm	1.609 mg/L	6.380 NTU	181.6 mV	25.74 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 9:15:05 AM
Project: Grumman Road Landfill
Operator Name: C.Klamke

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.94 ft** **Total Depth: 27.94 ft** **Initial Depth to Water: 10.29 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 2.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 4.8 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 0940, Sunny 39 degrees, Fe2+ = 2.5mg/L, sampled after allowing overnight recharge

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 9:15 AM	00:00	4.215 pH	15.69 °C	138.1 µS/cm	0.858 mg/L	4.550 NTU	182.4 mV	10.29 ft	100.0 ml/min
1/28/2026 9:20 AM	05:00	4.273 pH	14.79 °C	133.9 µS/cm	0.568 mg/L	3.920 NTU	176.1 mV	12.34 ft	100.0 ml/min
1/28/2026 9:25 AM	10:00	4.223 pH	15.24 °C	133.8 µS/cm	0.438 mg/L	4.000 NTU	176.3 mV	12.95 ft	100.0 ml/min
1/28/2026 9:30 AM	15:00	4.200 pH	15.70 °C	133.4 µS/cm	0.362 mg/L	3.950 NTU	167.3 mV	13.67 ft	100.0 ml/min
1/28/2026 9:35 AM	20:00	4.203 pH	16.15 °C	133.1 µS/cm	0.329 mg/L	3.940 NTU	158.5 mV	14.44 ft	100.0 ml/min
1/28/2026 9:40 AM	25:00	4.259 pH	16.31 °C	132.9 µS/cm	0.293 mg/L	3.960 NTU	149.6 mV	15.09 ft	100.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/27/2026 12:20:09 PM
Project: Grumman Road Landfill
Operator Name: C.klamke

Location Name: GWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 17.86 ft** **Total Depth: 22.86 ft** **Initial Depth to Water: 13.87 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 19.86 ft** **Estimated Total Volume Pumped: 17.4 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 4.31 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1445, Sunny 46 degrees, Fe2+ = 2.0 mg/L, FB-01 done here

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 12:20 PM	00:00	4.909 pH	17.61 °C	712.1 µS/cm	1.619 mg/L	0.240 NTU	110.0 mV	13.87 ft	120.0 ml/min
1/27/2026 12:25 PM	05:00	4.921 pH	18.30 °C	719.8 µS/cm	1.281 mg/L	0.360 NTU	130.6 mV	15.38 ft	120.0 ml/min
1/27/2026 12:30 PM	10:00	4.916 pH	18.42 °C	739.7 µS/cm	1.154 mg/L	0.380 NTU	136.7 mV	15.82 ft	120.0 ml/min
1/27/2026 12:35 PM	15:00	4.903 pH	18.93 °C	797.1 µS/cm	1.061 mg/L	0.820 NTU	148.5 mV	16.21 ft	120.0 ml/min
1/27/2026 12:40 PM	20:00	4.888 pH	19.18 °C	866.3 µS/cm	0.936 mg/L	0.960 NTU	155.4 mV	16.59 ft	120.0 ml/min
1/27/2026 12:45 PM	25:00	4.888 pH	18.89 °C	955.6 µS/cm	0.835 mg/L	0.970 NTU	163.5 mV	16.72 ft	120.0 ml/min
1/27/2026 12:50 PM	30:00	4.888 pH	19.32 °C	1,001 µS/cm	0.765 mg/L	1.120 NTU	168.6 mV	16.93 ft	120.0 ml/min
1/27/2026 12:55 PM	35:00	4.882 pH	19.28 °C	1,065 µS/cm	0.719 mg/L	1.200 NTU	174.3 mV	16.14 ft	120.0 ml/min
1/27/2026 1:00 PM	40:00	4.877 pH	19.31 °C	1,113 µS/cm	0.653 mg/L	1.590 NTU	179.6 mV	17.25 ft	120.0 ml/min
1/27/2026 1:05 PM	45:00	4.875 pH	19.34 °C	1,147 µS/cm	0.620 mg/L	1.420 NTU	184.6 mV	17.37 ft	120.0 ml/min
1/27/2026 1:10 PM	50:00	4.869 pH	19.80 °C	1,207 µS/cm	0.529 mg/L	1.380 NTU	189.5 mV	17.48 ft	120.0 ml/min
1/27/2026 1:15 PM	55:00	4.869 pH	19.59 °C	1,228 µS/cm	0.506 mg/L	1.380 NTU	193.5 mV	17.56 ft	120.0 ml/min
1/27/2026 1:20 PM	01:00:00	4.876 pH	19.51 °C	1,253 µS/cm	0.441 mg/L	1.470 NTU	196.7 mV	17.62 ft	120.0 ml/min
1/27/2026 1:25 PM	01:05:00	4.874 pH	19.23 °C	1,308 µS/cm	0.435 mg/L	1.390 NTU	200.0 mV	17.67 ft	120.0 ml/min
1/27/2026 1:30 PM	01:10:00	4.880 pH	19.45 °C	1,335 µS/cm	0.399 mg/L	1.290 NTU	202.2 mV	17.70 ft	120.0 ml/min

1/27/2026 1:35 PM	01:15:00	4.891 pH	19.52 °C	1,361 µS/cm	0.361 mg/L	1.360 NTU	203.9 mV	17.73 ft	120.0 ml/min
1/27/2026 1:40 PM	01:20:00	4.906 pH	19.37 °C	1,384 µS/cm	0.325 mg/L	1.180 NTU	205.2 mV	17.76 ft	120.0 ml/min
1/27/2026 1:45 PM	01:25:00	4.910 pH	19.62 °C	1,407 µS/cm	0.304 mg/L	1.200 NTU	206.0 mV	17.80 ft	120.0 ml/min
1/27/2026 1:50 PM	01:30:00	4.916 pH	19.37 °C	1,425 µS/cm	0.282 mg/L	1.150 NTU	207.1 mV	17.83 ft	120.0 ml/min
1/27/2026 1:55 PM	01:35:00	4.919 pH	19.31 °C	1,438 µS/cm	0.263 mg/L	1.110 NTU	207.9 mV	17.87 ft	120.0 ml/min
1/27/2026 2:00 PM	01:40:00	4.910 pH	19.74 °C	1,456 µS/cm	0.233 mg/L	1.210 NTU	209.1 mV	17.91 ft	120.0 ml/min
1/27/2026 2:05 PM	01:45:00	4.908 pH	19.59 °C	1,469 µS/cm	0.241 mg/L	1.350 NTU	210.1 mV	17.95 ft	120.0 ml/min
1/27/2026 2:10 PM	01:50:00	4.899 pH	19.81 °C	1,485 µS/cm	0.236 mg/L	1.320 NTU	210.6 mV	17.99 ft	120.0 ml/min
1/27/2026 2:15 PM	01:55:00	4.899 pH	19.64 °C	1,496 µS/cm	0.249 mg/L	1.270 NTU	211.4 mV	18.04 ft	120.0 ml/min
1/27/2026 2:20 PM	02:00:00	4.895 pH	19.39 °C	1,509 µS/cm	0.291 mg/L	1.140 NTU	212.2 mV	18.11 ft	120.0 ml/min
1/27/2026 2:25 PM	02:05:00	4.899 pH	19.36 °C	1,531 µS/cm	0.371 mg/L	1.210 NTU	212.5 mV	18.15 ft	120.0 ml/min
1/27/2026 2:30 PM	02:10:00	4.901 pH	19.69 °C	1,570 µS/cm	0.404 mg/L	1.170 NTU	213.1 mV	18.17 ft	120.0 ml/min
1/27/2026 2:35 PM	02:15:00	4.902 pH	19.56 °C	1,591 µS/cm	0.507 mg/L	1.050 NTU	213.4 mV	18.18 ft	120.0 ml/min
1/27/2026 2:40 PM	02:20:00	4.906 pH	19.74 °C	1,620 µS/cm	0.574 mg/L	1.060 NTU	213.5 mV	18.18 ft	120.0 ml/min
1/27/2026 2:45 PM	02:25:00	4.909 pH	19.57 °C	1,627 µS/cm	0.602 mg/L	0.670 NTU	213.7 mV	18.18 ft	120.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 3:25:08 PM
Project: Grumman Road Landfill
Operator Name: C.Klamke

Location Name: GWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22 ft** **Total Depth: 27.1 ft** **Initial Depth to Water: 13.54 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 24 ft** **Estimated Total Volume Pumped: 8.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 240 ml/min** **Final Draw Down: 0.49 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1283493**

Test Notes:
Sample time 1600, Sunny 54 degrees, Fe2+ = 1.5 mg/L, EB-06 done here (Gloves)

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 3:25 PM	00:00	3.966 pH	20.85 °C	671.8 µS/cm	0.336 mg/L	0.200 NTU	120.8 mV	13.54 ft	240.0 ml/min
1/28/2026 3:30 PM	05:00	3.999 pH	20.93 °C	667.8 µS/cm	0.251 mg/L	0.200 NTU	92.3 mV	14.03 ft	240.0 ml/min
1/28/2026 3:35 PM	10:00	4.014 pH	20.91 °C	669.6 µS/cm	0.204 mg/L	0.390 NTU	61.3 mV	14.03 ft	240.0 ml/min
1/28/2026 3:40 PM	15:00	4.025 pH	20.92 °C	676.1 µS/cm	0.176 mg/L	0.300 NTU	60.0 mV	14.03 ft	240.0 ml/min
1/28/2026 3:45 PM	20:00	4.039 pH	20.87 °C	666.1 µS/cm	0.156 mg/L	0.420 NTU	52.9 mV	14.03 ft	240.0 ml/min
1/28/2026 3:50 PM	25:00	4.045 pH	20.87 °C	667.3 µS/cm	0.144 mg/L	0.340 NTU	41.0 mV	14.03 ft	240.0 ml/min
1/28/2026 3:55 PM	30:00	4.052 pH	20.86 °C	678.2 µS/cm	0.133 mg/L	0.310 NTU	41.2 mV	14.03 ft	240.0 ml/min
1/28/2026 4:00 PM	35:00	4.059 pH	21.14 °C	664.2 µS/cm	0.125 mg/L	0.260 NTU	36.5 mV	14.03 ft	240.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 1:52:30 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: GWC-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.31 ft** **Total Depth: 24.31 ft** **Initial Depth to Water: 15.09 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 21 ft** **Estimated Total Volume Pumped: 6.25 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 7.32 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1417
Sunny, 50s
Fe2+ = 0.0 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 1:52 PM	00:00	4.922 pH	20.18 °C	128.8 µS/cm	4.367 mg/L	9.040 NTU	185.3 mV	15.09 ft	250.0 ml/min
1/28/2026 1:57 PM	05:00	4.862 pH	20.64 °C	130.2 µS/cm	1.141 mg/L	6.820 NTU	212.1 mV	15.70 ft	250.0 ml/min
1/28/2026 2:02 PM	10:00	4.874 pH	20.89 °C	129.5 µS/cm	0.825 mg/L	2.000 NTU	211.8 mV	15.70 ft	250.0 ml/min
1/28/2026 2:07 PM	15:00	4.861 pH	20.89 °C	127.6 µS/cm	0.589 mg/L	1.940 NTU	192.8 mV	15.70 ft	250.0 ml/min
1/28/2026 2:12 PM	20:00	4.872 pH	21.04 °C	127.3 µS/cm	0.486 mg/L	1.890 NTU	181.4 mV	15.70 ft	250.0 ml/min
1/28/2026 2:17 PM	25:00	4.859 pH	20.94 °C	126.2 µS/cm	0.401 mg/L	1.760 NTU	182.0 mV	15.70 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 3:12:23 PM
Project: Grumman Road Landfill
Operator Name: D. Johnson

Location Name: GWC-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22 ft** **Total Depth: 27 ft** **Initial Depth to Water: 19.82 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 5.62 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 1.08 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1537. Sunny, 54 degrees F. Fe2+= 2.50.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 3:12 PM	00:00	5.934 pH	16.79 °C	854.1 µS/cm	4.225 mg/L	10.50 NTU	50.2 mV	19.82 ft	225.0 ml/min
1/28/2026 3:17 PM	05:00	6.135 pH	18.57 °C	891.4 µS/cm	0.683 mg/L	3.400 NTU	39.0 mV	19.86 ft	225.0 ml/min
1/28/2026 3:22 PM	10:00	6.106 pH	18.75 °C	865.4 µS/cm	0.517 mg/L	3.200 NTU	38.4 mV	19.87 ft	225.0 ml/min
1/28/2026 3:27 PM	15:00	6.120 pH	18.82 °C	880.9 µS/cm	0.586 mg/L	2.960 NTU	37.4 mV	19.89 ft	225.0 ml/min
1/28/2026 3:32 PM	20:00	6.094 pH	18.82 °C	891.6 µS/cm	0.531 mg/L	2.030 NTU	36.6 mV	19.90 ft	225.0 ml/min
1/28/2026 3:37 PM	25:00	6.098 pH	18.76 °C	924.9 µS/cm	0.460 mg/L	1.940 NTU	34.4 mV	19.91 ft	225.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/27/2026 3:33:42 PM
Project: Grumman Road Landfill
Operator Name: D. Johnson

Location Name: GWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 22.07 ft** **Total Depth: 27.03 ft** **Initial Depth to Water: 19.31 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 22.03 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 3.6 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1613. Sunny, 47 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 3:33 PM	00:00	6.423 pH	14.01 °C	748.4 µS/cm	6.726 mg/L	72.60 NTU	95.8 mV	19.31 ft	250.0 ml/min
1/27/2026 3:38 PM	05:00	6.448 pH	15.13 °C	766.6 µS/cm	0.712 mg/L	44.60 NTU	79.5 mV	19.44 ft	250.0 ml/min
1/27/2026 3:43 PM	10:00	6.453 pH	15.18 °C	760.8 µS/cm	0.512 mg/L	15.30 NTU	72.0 mV	19.54 ft	250.0 ml/min
1/27/2026 3:48 PM	15:00	6.477 pH	14.93 °C	743.2 µS/cm	0.770 mg/L	5.670 NTU	68.3 mV	19.59 ft	250.0 ml/min
1/27/2026 3:53 PM	20:00	6.467 pH	15.09 °C	751.6 µS/cm	0.604 mg/L	3.480 NTU	65.9 mV	19.61 ft	250.0 ml/min
1/27/2026 3:58 PM	25:00	6.493 pH	14.84 °C	757.3 µS/cm	0.560 mg/L	2.240 NTU	63.4 mV	19.61 ft	250.0 ml/min
1/27/2026 4:03 PM	30:00	6.504 pH	14.52 °C	764.6 µS/cm	0.504 mg/L	2.060 NTU	62.0 mV	19.61 ft	250.0 ml/min
1/27/2026 4:08 PM	35:00	6.498 pH	14.82 °C	771.9 µS/cm	0.434 mg/L	1.700 NTU	60.6 mV	19.61 ft	250.0 ml/min
1/27/2026 4:13 PM	40:00	6.494 pH	14.53 °C	770.3 µS/cm	0.368 mg/L	1.630 NTU	59.9 mV	19.61 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 10:42:03 AM
Project: Grumman Road Landfill
Operator Name: D. Johnson

Location Name: GWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 23.95 ft** **Total Depth: 28.95 ft** **Initial Depth to Water: 20.81 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 7875 ml** **Flow Cell Volume: 130 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 0.33 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1117. Sunny, 40s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 10:42 AM	00:00	4.935 pH	15.01 °C	2,380 µS/cm	1.762 mg/L	50.70 NTU	107.1 mV	20.81 ft	225.0 ml/min
1/28/2026 10:47 AM	05:00	4.952 pH	16.98 °C	2,567 µS/cm	0.472 mg/L	32.20 NTU	105.8 mV	21.00 ft	225.0 ml/min
1/28/2026 10:52 AM	10:00	4.985 pH	17.24 °C	2,692 µS/cm	0.337 mg/L	25.90 NTU	104.3 mV	21.06 ft	225.0 ml/min
1/28/2026 10:57 AM	15:00	5.009 pH	17.14 °C	2,763 µS/cm	0.270 mg/L	14.60 NTU	102.8 mV	21.12 ft	225.0 ml/min
1/28/2026 11:02 AM	20:00	5.036 pH	17.07 °C	2,810 µS/cm	0.257 mg/L	10.20 NTU	100.9 mV	21.14 ft	225.0 ml/min
1/28/2026 11:07 AM	25:00	5.057 pH	17.02 °C	2,848 µS/cm	0.241 mg/L	4.980 NTU	98.9 mV	21.14 ft	225.0 ml/min
1/28/2026 11:12 AM	30:00	5.067 pH	17.57 °C	2,875 µS/cm	0.232 mg/L	4.550 NTU	96.6 mV	21.14 ft	225.0 ml/min
1/28/2026 11:17 AM	35:00	5.080 pH	17.21 °C	2,888 µS/cm	0.238 mg/L	3.350 NTU	94.8 mV	21.14 ft	225.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 12:45:11 PM
Project: Grumman Road Landfill
Operator Name: J. Berisford

Location Name: GWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 18.64 ft** **Total Depth: 23.64 ft** **Initial Depth to Water: 7.13 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 21 ft** **Estimated Total Volume Pumped: 30 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 36.84 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample Time: 1515
Sunny, 50s
Fe2+ = 2.0 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 12:45 PM	00:00	4.873 pH	19.51 °C	2,604 µS/cm	0.330 mg/L	15.00 NTU	61.8 mV	7.130 ft	200.0 ml/min
1/28/2026 12:50 PM	05:00	4.870 pH	19.00 °C	2,675 µS/cm	0.296 mg/L	12.00 NTU	60.8 mV	9.000 ft	200.0 ml/min
1/28/2026 12:55 PM	10:00	4.889 pH	18.75 °C	2,654 µS/cm	0.300 mg/L	13.00 NTU	60.5 mV	9.200 ft	200.0 ml/min
1/28/2026 1:00 PM	15:00	4.892 pH	19.57 °C	2,644 µS/cm	0.302 mg/L	12.00 NTU	59.7 mV	9.300 ft	200.0 ml/min
1/28/2026 1:05 PM	20:00	4.853 pH	19.00 °C	2,693 µS/cm	0.291 mg/L	12.00 NTU	60.8 mV	9.400 ft	200.0 ml/min
1/28/2026 1:10 PM	25:00	4.861 pH	19.81 °C	2,676 µS/cm	0.305 mg/L	11.00 NTU	60.1 mV	9.600 ft	200.0 ml/min
1/28/2026 1:15 PM	30:00	4.872 pH	19.98 °C	2,654 µS/cm	0.316 mg/L	11.00 NTU	60.0 mV	9.700 ft	200.0 ml/min
1/28/2026 1:20 PM	35:00	4.885 pH	19.35 °C	2,662 µS/cm	0.327 mg/L	11.00 NTU	60.7 mV	9.800 ft	200.0 ml/min
1/28/2026 1:25 PM	40:00	4.875 pH	19.76 °C	2,659 µS/cm	0.327 mg/L	11.00 NTU	60.6 mV	10.00 ft	200.0 ml/min
1/28/2026 1:30 PM	45:00	4.869 pH	19.56 °C	2,653 µS/cm	0.335 mg/L	14.00 NTU	61.1 mV	10.20 ft	200.0 ml/min
1/28/2026 1:35 PM	50:00	4.865 pH	19.78 °C	2,651 µS/cm	0.401 mg/L	13.00 NTU	61.4 mV	10.20 ft	200.0 ml/min
1/28/2026 1:40 PM	55:00	5.830 pH	19.71 °C	837.9 µS/cm	2.566 mg/L	10.00 NTU	41.8 mV	10.20 ft	200.0 ml/min
1/28/2026 1:45 PM	01:00:00	6.583 pH	19.44 °C	344.1 µS/cm	4.428 mg/L	10.00 NTU	36.8 mV	10.20 ft	200.0 ml/min
1/28/2026 1:50 PM	01:05:00	4.910 pH	19.77 °C	2,550 µS/cm	0.693 mg/L	10.00 NTU	77.3 mV	10.20 ft	200.0 ml/min

1/28/2026 1:55 PM	01:10:00	4.883 pH	19.60 °C	2,608 µS/cm	0.528 mg/L	10.00 NTU	76.9 mV	10.20 ft	200.0 ml/min
1/28/2026 2:00 PM	01:15:00	4.854 pH	19.92 °C	2,659 µS/cm	0.443 mg/L	10.00 NTU	76.4 mV	10.20 ft	200.0 ml/min
1/28/2026 2:05 PM	01:20:00	4.870 pH	19.88 °C	2,626 µS/cm	0.475 mg/L	9.770 NTU	75.3 mV	10.20 ft	200.0 ml/min
1/28/2026 2:10 PM	01:25:00	4.857 pH	19.57 °C	2,649 µS/cm	0.407 mg/L	8.910 NTU	75.0 mV	10.20 ft	200.0 ml/min
1/28/2026 2:15 PM	01:30:00	4.829 pH	19.87 °C	2,688 µS/cm	0.401 mg/L	8.550 NTU	74.3 mV	10.20 ft	200.0 ml/min
1/28/2026 2:20 PM	01:35:00	4.850 pH	20.05 °C	2,668 µS/cm	0.422 mg/L	8.030 NTU	73.1 mV	10.20 ft	200.0 ml/min
1/28/2026 2:25 PM	01:40:00	4.823 pH	19.93 °C	2,678 µS/cm	0.391 mg/L	8.790 NTU	72.7 mV	10.20 ft	200.0 ml/min
1/28/2026 2:30 PM	01:45:00	4.817 pH	19.47 °C	2,690 µS/cm	0.371 mg/L	8.230 NTU	72.4 mV	10.20 ft	200.0 ml/min
1/28/2026 2:35 PM	01:50:00	4.875 pH	19.69 °C	2,603 µS/cm	0.534 mg/L	7.450 NTU	71.1 mV	10.20 ft	200.0 ml/min
1/28/2026 2:40 PM	01:55:00	4.844 pH	19.56 °C	2,646 µS/cm	0.471 mg/L	6.220 NTU	71.3 mV	10.20 ft	200.0 ml/min
1/28/2026 2:45 PM	02:00:00	4.853 pH	19.42 °C	2,633 µS/cm	0.440 mg/L	6.160 NTU	70.7 mV	10.20 ft	200.0 ml/min
1/28/2026 2:50 PM	02:05:00	4.825 pH	19.99 °C	2,671 µS/cm	0.395 mg/L	5.630 NTU	69.8 mV	10.20 ft	200.0 ml/min
1/28/2026 2:55 PM	02:10:00	4.843 pH	19.91 °C	2,634 µS/cm	0.453 mg/L	5.810 NTU	69.0 mV	10.20 ft	200.0 ml/min
1/28/2026 3:00 PM	02:15:00	4.822 pH	19.60 °C	2,671 µS/cm	0.394 mg/L	5.520 NTU	69.1 mV	10.20 ft	200.0 ml/min
1/28/2026 3:05 PM	02:20:00	4.816 pH	19.84 °C	2,665 µS/cm	0.420 mg/L	5.240 NTU	68.2 mV	10.20 ft	200.0 ml/min
1/28/2026 3:10 PM	02:25:00	4.824 pH	20.07 °C	2,645 µS/cm	0.460 mg/L	4.980 NTU	67.3 mV	10.20 ft	200.0 ml/min
1/28/2026 3:15 PM	02:30:00	4.832 pH	19.88 °C	2,632 µS/cm	0.470 mg/L	4.680 NTU	66.9 mV	10.20 ft	200.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/27/2026 12:50:04 PM
Project: Grumman Road Landfill
Operator Name: J. Berisford

Location Name: GWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 20.51 ft** **Total Depth: 25.51 ft** **Initial Depth to Water: 21.24 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 23 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 11 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sunny, sample time 1320, fe2+=1.5 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 12:50 PM	00:00	5.951 pH	18.71 °C	1,727 µS/cm	0.875 mg/L	5.930 NTU	83.2 mV	21.24 ft	300.0 ml/min
1/27/2026 12:55 PM	05:00	5.913 pH	19.72 °C	1,807 µS/cm	0.471 mg/L	4.260 NTU	85.4 mV	22.00 ft	300.0 ml/min
1/27/2026 1:00 PM	10:00	5.867 pH	20.19 °C	1,878 µS/cm	0.461 mg/L	1.490 NTU	83.0 mV	22.10 ft	300.0 ml/min
1/27/2026 1:05 PM	15:00	5.824 pH	20.20 °C	1,977 µS/cm	0.346 mg/L	1.350 NTU	78.3 mV	22.10 ft	300.0 ml/min
1/27/2026 1:10 PM	20:00	5.814 pH	20.52 °C	2,041 µS/cm	0.252 mg/L	1.660 NTU	74.5 mV	22.10 ft	300.0 ml/min
1/27/2026 1:15 PM	25:00	5.812 pH	20.61 °C	2,081 µS/cm	0.211 mg/L	1.580 NTU	71.7 mV	22.10 ft	300.0 ml/min
1/27/2026 1:20 PM	30:00	5.821 pH	20.36 °C	2,093 µS/cm	0.183 mg/L	1.350 NTU	69.8 mV	22.10 ft	300.0 ml/min

Samples

Sample ID:	Description:

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Low-Flow Test Report:

Test Date / Time: 1/28/2026 9:02:06 AM
Project: Grumman Road Landfill
Operator Name: D. Johnson

Location Name: GWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 19.38 ft** **Total Depth: 24.38 ft** **Initial Depth to Water: 20.74 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 22 ft** **Estimated Total Volume Pumped: 13.75 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 1.2 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 0957. Sunny, 39 degrees F. Fe2+=1.5mg/L.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 9:02 AM	00:00	5.442 pH	8.079 °C	429.0 µS/cm	8.745 mg/L	4.430 NTU	195.9 mV	20.74 ft	250.0 ml/min
1/28/2026 9:07 AM	05:00	5.307 pH	11.98 °C	182.8 µS/cm	5.194 mg/L	3.810 NTU	172.4 mV	20.77 ft	250.0 ml/min
1/28/2026 9:12 AM	10:00	5.500 pH	14.83 °C	306.5 µS/cm	3.348 mg/L	2.770 NTU	169.0 mV	20.79 ft	250.0 ml/min
1/28/2026 9:17 AM	15:00	5.644 pH	15.40 °C	509.4 µS/cm	2.546 mg/L	2.020 NTU	159.7 mV	20.82 ft	250.0 ml/min
1/28/2026 9:22 AM	20:00	5.677 pH	16.10 °C	745.8 µS/cm	1.940 mg/L	1.840 NTU	148.7 mV	20.84 ft	250.0 ml/min
1/28/2026 9:27 AM	25:00	5.709 pH	15.81 °C	945.5 µS/cm	1.614 mg/L	1.030 NTU	139.9 mV	20.84 ft	250.0 ml/min
1/28/2026 9:32 AM	30:00	5.708 pH	16.19 °C	1,120 µS/cm	1.563 mg/L	1.120 NTU	135.9 mV	20.84 ft	250.0 ml/min
1/28/2026 9:37 AM	35:00	5.707 pH	16.32 °C	1,248 µS/cm	1.448 mg/L	0.980 NTU	129.1 mV	20.84 ft	250.0 ml/min
1/28/2026 9:42 AM	40:00	5.684 pH	16.70 °C	1,345 µS/cm	1.375 mg/L	0.840 NTU	124.6 mV	20.84 ft	250.0 ml/min
1/28/2026 9:47 AM	45:00	5.679 pH	16.51 °C	1,421 µS/cm	1.304 mg/L	0.800 NTU	120.1 mV	20.84 ft	250.0 ml/min
1/28/2026 9:52 AM	50:00	5.677 pH	15.77 °C	1,464 µS/cm	1.236 mg/L	0.780 NTU	117.0 mV	20.84 ft	250.0 ml/min
1/28/2026 9:57 AM	55:00	5.670 pH	16.92 °C	1,483 µS/cm	1.243 mg/L	0.770 NTU	112.4 mV	20.84 ft	250.0 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 1/28/2026 11:25:04 AM
Project: Grumman Road Landfill
Operator Name: C.Klamke

Location Name: GWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 14.24 ft** **Total Depth: 19.24 ft** **Initial Depth to Water: 9.53 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 17 ft** **Estimated Total Volume Pumped: 16.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 220 ml/min** **Final Draw Down: 0.33 ft**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183974**

Test Notes:
Sample time 1240, Sunny 49 degrees, Fe2+ = 1.0mg/L, EB-05 done here (WL)

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 11:25 AM	00:00	4.727 pH	18.77 °C	103.5 µS/cm	0.200 mg/L	1.720 NTU	154.9 mV	9.530 ft	220.0 ml/min
1/28/2026 11:30 AM	05:00	4.760 pH	19.10 °C	272.0 µS/cm	0.181 mg/L	1.180 NTU	163.0 mV	9.860 ft	220.0 ml/min
1/28/2026 11:35 AM	10:00	4.784 pH	19.33 °C	533.4 µS/cm	0.162 mg/L	0.570 NTU	163.6 mV	9.860 ft	220.0 ml/min
1/28/2026 11:40 AM	15:00	4.763 pH	19.43 °C	738.7 µS/cm	0.181 mg/L	0.500 NTU	160.5 mV	9.860 ft	220.0 ml/min
1/28/2026 11:45 AM	20:00	4.752 pH	19.21 °C	882.9 µS/cm	0.154 mg/L	0.430 NTU	156.7 mV	9.860 ft	220.0 ml/min
1/28/2026 11:50 AM	25:00	4.742 pH	19.13 °C	979.6 µS/cm	0.180 mg/L	0.610 NTU	152.1 mV	9.860 ft	220.0 ml/min
1/28/2026 11:55 AM	30:00	4.727 pH	19.10 °C	1,078 µS/cm	0.156 mg/L	0.510 NTU	148.6 mV	9.860 ft	220.0 ml/min
1/28/2026 12:00 PM	35:00	4.711 pH	19.49 °C	1,159 µS/cm	0.208 mg/L	0.320 NTU	145.0 mV	9.860 ft	220.0 ml/min
1/28/2026 12:05 PM	40:00	4.701 pH	19.49 °C	1,220 µS/cm	0.157 mg/L	0.270 NTU	141.7 mV	9.860 ft	220.0 ml/min
1/28/2026 12:10 PM	45:00	4.699 pH	19.20 °C	1,291 µS/cm	0.150 mg/L	0.270 NTU	139.1 mV	9.860 ft	220.0 ml/min
1/28/2026 12:15 PM	50:00	4.693 pH	19.32 °C	1,359 µS/cm	0.189 mg/L	0.290 NTU	136.0 mV	9.860 ft	220.0 ml/min
1/28/2026 12:20 PM	55:00	4.684 pH	19.51 °C	1,417 µS/cm	0.172 mg/L	0.370 NTU	133.5 mV	9.860 ft	220.0 ml/min
1/28/2026 12:25 PM	01:00:00	4.680 pH	19.53 °C	1,488 µS/cm	0.166 mg/L	0.260 NTU	131.1 mV	9.860 ft	220.0 ml/min
1/28/2026 12:30 PM	01:05:00	4.676 pH	19.62 °C	1,536 µS/cm	0.164 mg/L	0.200 NTU	128.9 mV	9.860 ft	220.0 ml/min
1/28/2026 12:35 PM	01:10:00	4.674 pH	19.93 °C	1,550 µS/cm	0.134 mg/L	0.450 NTU	126.7 mV	9.860 ft	220.0 ml/min

1/28/2026 12:40 PM	01:15:00	4.677 pH	19.64 °C	1,610 µS/cm	0.116 mg/L	0.350 NTU	124.8 mV	9.860 ft	220.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/28/2026 11:26:19 AM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: MW-23D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 57.95 ft** **Total Depth: 62.95 ft** **Initial Depth to Water: 23.18 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 60 ft** **Estimated Total Volume Pumped: 5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 14.64 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1151
Sunny, 40s
Fe2+ = 0.0 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 11:26 AM	00:00	5.297 pH	13.69 °C	121.8 µS/cm	6.051 mg/L	2.660 NTU	227.2 mV	23.18 ft	200.0 ml/min
1/28/2026 11:31 AM	05:00	5.680 pH	17.14 °C	109.3 µS/cm	2.509 mg/L	1.400 NTU	207.8 mV	24.10 ft	200.0 ml/min
1/28/2026 11:36 AM	10:00	5.745 pH	17.62 °C	105.9 µS/cm	2.259 mg/L	0.870 NTU	194.4 mV	24.30 ft	200.0 ml/min
1/28/2026 11:41 AM	15:00	5.822 pH	18.33 °C	101.7 µS/cm	2.136 mg/L	0.720 NTU	185.6 mV	24.30 ft	200.0 ml/min
1/28/2026 11:46 AM	20:00	5.830 pH	18.52 °C	100.6 µS/cm	2.071 mg/L	0.630 NTU	181.6 mV	24.40 ft	200.0 ml/min
1/28/2026 11:51 AM	25:00	5.818 pH	18.33 °C	100.5 µS/cm	2.027 mg/L	0.520 NTU	180.9 mV	24.40 ft	200.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/28/2026 12:04:05 PM
Project: Grumman Road Landfill
Operator Name: D. Johnson

Location Name: MW-24D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 60.19 ft** **Total Depth: 65.19 ft** **Initial Depth to Water: 22.95 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 63 ft** **Estimated Total Volume Pumped: 6.45 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 215 ml/min** **Final Draw Down: 23.64 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1234. Sunny, 48 degrees F.
Fe2+= 4.0 mg/L.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 12:04 PM	00:00	6.976 pH	14.65 °C	35.85 µS/cm	8.050 mg/L	4.220 NTU	119.9 mV	22.95 ft	215.0 ml/min
1/28/2026 12:09 PM	05:00	5.556 pH	18.52 °C	47.60 µS/cm	0.978 mg/L	3.350 NTU	48.6 mV	24.30 ft	215.0 ml/min
1/28/2026 12:14 PM	10:00	5.574 pH	18.89 °C	46.27 µS/cm	0.650 mg/L	2.030 NTU	35.3 mV	24.71 ft	215.0 ml/min
1/28/2026 12:19 PM	15:00	5.610 pH	18.36 °C	46.30 µS/cm	0.489 mg/L	1.720 NTU	26.1 mV	24.89 ft	215.0 ml/min
1/28/2026 12:24 PM	20:00	5.680 pH	18.24 °C	48.88 µS/cm	0.385 mg/L	1.050 NTU	26.6 mV	24.90 ft	215.0 ml/min
1/28/2026 12:29 PM	25:00	5.724 pH	18.32 °C	49.27 µS/cm	0.318 mg/L	0.960 NTU	22.9 mV	24.91 ft	215.0 ml/min
1/28/2026 12:34 PM	30:00	5.691 pH	18.41 °C	49.74 µS/cm	0.298 mg/L	0.890 NTU	26.4 mV	24.92 ft	215.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/27/2026 1:10:03 PM
Project: Grumman Road Landfill
Operator Name: D. Johnson

Location Name: MW-25D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 63.97 ft** **Total Depth: 68.97 ft** **Initial Depth to Water: 21.24 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 66 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 25.92 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235076**

Test Notes:
Sample time 1410. Fe2+= 0.0 mg/L. Sunny, 45 degrees F.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/27/2026 1:10 PM	00:00	6.973 pH	14.41 °C	63.58 µS/cm	6.734 mg/L	2.060 NTU	113.0 mV	21.24 ft	125.0 ml/min
1/27/2026 1:15 PM	05:00	5.528 pH	15.82 °C	50.67 µS/cm	2.346 mg/L	1.840 NTU	96.5 mV	22.40 ft	125.0 ml/min
1/27/2026 1:20 PM	10:00	5.633 pH	15.45 °C	47.75 µS/cm	2.199 mg/L	1.650 NTU	91.0 mV	22.81 ft	125.0 ml/min
1/27/2026 1:25 PM	15:00	5.742 pH	14.66 °C	46.66 µS/cm	2.040 mg/L	1.950 NTU	90.1 mV	23.01 ft	125.0 ml/min
1/27/2026 1:30 PM	20:00	5.763 pH	14.82 °C	46.52 µS/cm	1.903 mg/L	1.250 NTU	83.6 mV	23.14 ft	125.0 ml/min
1/27/2026 1:35 PM	25:00	5.793 pH	14.79 °C	46.21 µS/cm	1.800 mg/L	1.230 NTU	81.6 mV	23.32 ft	125.0 ml/min
1/27/2026 1:40 PM	30:00	5.830 pH	14.41 °C	45.70 µS/cm	1.635 mg/L	1.040 NTU	78.9 mV	23.39 ft	125.0 ml/min
1/27/2026 1:45 PM	35:00	5.852 pH	13.97 °C	45.71 µS/cm	1.495 mg/L	1.110 NTU	78.4 mV	23.40 ft	125.0 ml/min
1/27/2026 1:50 PM	40:00	5.859 pH	13.80 °C	45.65 µS/cm	1.368 mg/L	0.950 NTU	77.1 mV	23.43 ft	125.0 ml/min
1/27/2026 1:55 PM	45:00	5.867 pH	13.54 °C	45.39 µS/cm	1.277 mg/L	1.080 NTU	75.0 mV	23.46 ft	125.0 ml/min
1/27/2026 2:00 PM	50:00	5.881 pH	13.73 °C	47.88 µS/cm	1.181 mg/L	0.910 NTU	74.7 mV	23.47 ft	125.0 ml/min
1/27/2026 2:05 PM	55:00	5.876 pH	13.44 °C	47.86 µS/cm	1.117 mg/L	1.070 NTU	75.2 mV	23.48 ft	125.0 ml/min
1/27/2026 2:10 PM	01:00:00	5.899 pH	13.30 °C	47.65 µS/cm	1.042 mg/L	1.050 NTU	72.0 mV	23.40 ft	125.0 ml/min

Low-Flow Test Report:

Test Date / Time: 1/28/2026 12:40:09 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: MW-26D **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 63.95 ft** **Total Depth: 68.95 ft** **Initial Depth to Water: 20.3 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Pump Intake From TOC: 66 ft** **Estimated Total Volume Pumped: 4.375 liter** **Flow Cell Volume: 130 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 10.8 in**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1235093**

Test Notes:
Sample Time: 1305
Sunny, 50s
Fe2+ = 0.0 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25	+/- 0.3	
1/28/2026 12:40 PM	00:00	5.330 pH	18.38 °C	40.47 µS/cm	3.647 mg/L	1.640 NTU	156.7 mV	20.30 ft	175.0 ml/min
1/28/2026 12:45 PM	05:00	5.309 pH	19.39 °C	38.38 µS/cm	1.046 mg/L	1.480 NTU	158.7 mV	21.00 ft	175.0 ml/min
1/28/2026 12:50 PM	10:00	5.325 pH	19.47 °C	37.83 µS/cm	0.741 mg/L	1.420 NTU	166.0 mV	21.20 ft	175.0 ml/min
1/28/2026 12:55 PM	15:00	5.322 pH	19.49 °C	37.89 µS/cm	0.589 mg/L	1.390 NTU	173.8 mV	21.20 ft	175.0 ml/min
1/28/2026 1:00 PM	20:00	5.310 pH	19.72 °C	37.66 µS/cm	0.500 mg/L	1.480 NTU	177.4 mV	21.20 ft	175.0 ml/min
1/28/2026 1:05 PM	25:00	5.302 pH	20.13 °C	37.74 µS/cm	0.436 mg/L	1.430 NTU	181.4 mV	21.20 ft	175.0 ml/min

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/28/2026 4:06:40 PM
Project: Grumman Road Landfill
Operator Name: J. May

Location Name: CLIFTON SEEP **Latitude: 32.14170074623771** **Longitude: -81.18520295269671**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Tubing Inner Diameter: 0.17 in** **Flow Cell Volume: 130 ml**	**Instrument Used: Aqua TROLL 500** **Serial Number: 1183990**

Test Notes:
Sample Time: 1607
Sunny, 50s
Fe2+ = 2.0 mg/L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP
		+/- 0.1	+/- 3	+/- 5 %	+/- 10 %	+/- 10	+/- 25
1/28/2026 4:06 PM	00:00	7.154 pH	16.19 °C	4,848 µS/cm	4.491 mg/L	2.180 NTU	131.8 mV
1/28/2026 4:07 PM	01:00	7.177 pH	15.95 °C	4,842 µS/cm	2.892 mg/L	2.180 NTU	128.6 mV

Samples

Sample ID:	Description:

Created using VuSitu from In-Situ, Inc.

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman Rd Date: 1/27/26

Calibrated By: J. Barnard Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183990
Turbidity Meter	HACH 2100Q	12110C021737

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	56I0394	9/27	PINE
pH (SU)	7.00	46I0915	9/26	PINE
pH (SU)	10.00	46C0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	56I0959	9/26	PINE
ORP (mV)	240.0	56F0271	6/26	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	6/26	HACH
	20	A5092	7/26	HACH
	100	A5081	6/26	HACH

Calibration					
Time Start: 0855		**Time Finish:** 8907			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	2.11	± 10%	EPA 2023
pH (SU)	4.00	4.00	2.43	± 0.1	GWMP
pH (SU)	7.00	7.06	2.41	± 0.1	GWMP
pH (SU)	10.00	10.14	3.20	± 0.1	GWMP
Specific Conductance (µS/cm)	1284 ~~1,413~~	1284	3.34	± 10% of standard	NA
ORP (mV)	240.0	259.6	1.64	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.1		
	20	20.2		
	100	107		

Calibration Check					
Time Start 1230		**Time Finish** 1241			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.02	7.42	± 0.1	GWMP
pH (SU)	7.00	7.08	7.98	± 0.1	GWMP
pH (SU)	10.00	9.94	7.51	± 0.1	GWMP
Specific Conductance (µS/cm)	1284 ~~1,413~~	1301	8.01	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.16	± 10% of standard	EPA 2023
	10	10.1		
	20	20.2		
	100	109		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman Rd Date: 1/28/26

Calibrated By: S.Beckford Field Conditions: Sunny

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1183940
Turbidity Meter	HACH 2100 Q	12110C02737

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	56E0394	9/27	PINE
pH (SU)	7.00	46E0915	9/26	PINE
pH (SU)	10.00	46C0600	3/26	PINE
Specific Conductance (µS/cm)	1,413	56E0959	9/26	PINE
ORP (mV)	240.0	56E0371	6/26	PINE

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	6/26	HACH
	20	A5092	7/27	HACH
	100	A5061	6/26	HACH

Calibration					
Time Start: 0815		**Time Finish:** 0825			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	4.10	± 10%	EPA 2023
pH (SU)	4.00	4.00	2.96	± 0.1	GWMP
pH (SU)	7.00	7.06	2.90	± 0.1	GWMP
pH (SU)	10.00	10.14	2.78	± 0.1	GWMP
Specific Conductance (µS/cm)	1284 ~~1,413~~	1284	2.66	± 10% of standard	NA
ORP (mV)	240.0	258.7	2.38	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.09	± 10% of standard	EPA 2023
	10	19.2		
	20	10.5		
	100	97.8		

Calibration Check					
Time Start 1149		**Time Finish** 1203			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.05	11.09	± 0.1	GWMP
pH (SU)	7.00	7.09	11.11	± 0.1	GWMP
pH (SU)	10.00	10.06	10.87	± 0.1	GWMP
Specific Conductance (µS/cm)	1284 ~~1,413~~	1298	10.81	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.15	± 10% of standard	EPA 2023
	10	10.0		
	20	20.1		
	100	105		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman

Date: 1/27/26

Calibrated By: C. Kilmartin

Field Conditions: Sunny, 27°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AQUAtroll/500	118397
Turbidity Meter	Hach/2100Q	24010D00046 2

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GH0631	11/27	PINE
pH (SU)	10.00	5GA0867	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GI0959	9/26	PINE
ORP (mV)	240.0	5GI0371	6/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5083	6/26	HACH
	20	A5092	7/26	HACH
	100	A5081	6/26	HACH

Calibration					
Time Start: 0815		**Time Finish:** 0900			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	20.71	± 10%	EPA 2023
pH (SU)	4.00	4.00	10.34	± 0.1	GWMP
pH (SU)	7.00	7.06	8.44	± 0.1	GWMP
pH (SU)	10.00	10.14	9.15	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	7.65	± 10% of standard	NA
ORP (mV)	240.0	249.6	9.41	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.39	± 10% of standard	EPA 2023
	10	9.80		
	20	21.0		
	100	102.0		

Calibration Check					
Time Start 1200		**Time Finish** 1210			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.02	14.76	± 0.1	GWMP
pH (SU)	7.00	7.01	14.91	± 0.1	GWMP
pH (SU)	10.00	10.04	14.86	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1403	14.93	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.21	± 10% of standard	EPA 2023
	10	10.01		
	20	20.8		
	100	101.0		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman LF Date: 1/28/26

Calibrated By: C. Williams Field Conditions: Sunny, 32°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquaTroll/500	1183974
Turbidity Meter	Hach/2100Q	23100000373

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GK0631	1/27	PINE
pH (SU)	10.00	5GA0667	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GI0959	9/26	PINE
ORP (mV)	240.0	5GI0371	6/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A4284	1/26	HACH
	20	A4290	1/26	HACH
	100	A4284	1/26	HACH

Calibration					
Time Start: 0805		**Time Finish:** 0830			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	16.52	± 10%	EPA 2023
pH (SU)	4.00	4.00	6.68	± 0.1	GWMP
pH (SU)	7.00	7.06	5.91	± 0.1	GWMP
pH (SU)	10.00	10.14	5.62	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	4.64	± 10% of standard	NA
ORP (mV)	240.0	255.6	4.73	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.33	± 10% of standard	EPA 2023
	10	9.5		
	20	19.5		
	100	100		

Calibration Check					
Time Start 1305		**Time Finish** 1315			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.00	14.76	± 0.1	GWMP
pH (SU)	7.00	7.04	16.45	± 0.1	GWMP
pH (SU)	10.00	10.11	13.60	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413	14.38	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.31	± 10% of standard	EPA 2023
	10	9.80		
	20	20.3		
	100	102.0		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman LF

Date: 1/28/26

Calibrated By: Chrlamk C

Field Conditions: Sunny, 54°

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	aquaTroll/400	1283493
Turbidity Meter		

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5GA0869	1/27	PINE
pH (SU)	7.00	5GK0631	11/27	PINE
pH (SU)	10.00	5GA0867	1/27	PINE
Specific Conductance (µS/cm)	1,413	5GI0959	9/26	PINE
ORP (mV)	240.0	5GI0371	6/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10			HACH
	20			HACH
	100			HACH

Calibration					
Time Start: 1505		Time Finish: 1520			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100,5	12,06	± 10%	EPA 2023
pH (SU)	4.00	4,00	13,94	± 0.1	GWMP
pH (SU)	7.00	7,06	10,97	± 0.1	GWMP
pH (SU)	10.00	10,14	11,41	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1409	13,30	± 10% of standard	NA
ORP (mV)	240.0	242,9	14,32	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0		± 10% of standard	EPA 2023
	10			
	20			
	100			

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP
Specific Conductance (µS/cm)	1,413			± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0		± 10% of standard	EPA 2023
	10			
	20			
	100			

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman Rd LF [redacted]

Date: 01-27-26

Calibrated By: J. May

Field Conditions: Sunny, 20s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	AquaTroll 500	1235093
Turbidity Meter	Hach 2100Q	18090c069298

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	SG10399	09/27	PINE
pH (SU)	7.00	SGK0631	11/27	PINE
pH (SU)	10.00	SG10401	09/27	PINE
Specific Conductance (µS/cm)	1,413	SG10959	09/26	PINE
ORP (mV)	240.0	SG10371	06/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5232	11/26	HACH
	20	A5231	11/26	HACH
	100	A5231	11/26	HACH

Calibration					
Time Start: 0750		**Time Finish:** 0815			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
D.O. (%)	N/A	100.0	0.052	± 10%	EPA 2023
pH (SU)	4.00	4.00	-0.140	± 0.1	GWMP
pH (SU)	7.00	7.06	-0.182	± 0.1	GWMP
pH (SU)	10.00	10.14	-0.176	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	-0.136	± 10% of standard	NA
ORP (mV)	~~240.0~~ 262.2	262.0	-0.341	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.28	± 10% of standard	EPA 2023
	10	10.4		
	20	20.2		
	100	101		

Calibration Check					
Time Start 1250		**Time Finish** 1305			
Parameter	**Standard**	**Calibration Value**	**Calibration Solution Temperature (°C)**	**Acceptance Criteria**	**Reference**
pH (SU)	4.00	4.00	7.997	± 0.1	GWMP
pH (SU)	7.00	7.06	4.409	± 0.1	GWMP
pH (SU)	10.00	10.14	5.007	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	4.160	± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.31	± 10% of standard	EPA 2023
	10	10.2		
	20	20.0		
	100	101		

Field Instrumentation Calibration Form

Atlantic Coast Consulting, Inc.

Site Name: Grumman Rd LF Date: 01-28-26

Calibrated By: J. May Field Conditions: Sunny, 40s

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua Troll 500	1235093
Turbidity Meter	Hach 2100Q	18090C069298

Calibration Standard Information

Parameter	Standard	Lot #	Date of Expiration	Brand
D.O. (%)	N/A	DI H_2O	N/A	N/A
pH (SU)	4.00	5G10399	09/27	PINE
pH (SU)	7.00	5GK0631	11/27	PINE
pH (SU)	10.00	5G10401	09/27	PINE
Specific Conductance (µS/cm)	1,413	5G10959	09/26	PINE
ORP (mV)	240.0	5G10371	06/26	PINE

	Standard	Lot #	Date of Expiration	Brand
Turbidity (NTU)	0	DI H_2O	N/A	N/A
	10	A5232	11/26	HACH
	20	A5231	11/26	HACH
	100	A5231	11/26	HACH

Calibration

Time Start: 1105 Time Finish: 1120

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.0	10.68	± 10%	EPA 2023
pH (SU)	4.00	4.00	11.41	± 0.1	GWMP
pH (SU)	7.00	7.06	9.183	± 0.1	GWMP
pH (SU)	10.00	10.14	9.972	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1413.0	8.716	± 10% of standard	NA
ORP (mV)	~~240.0~~ 248.5	248.7	10.18	± 10	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0	0.24	± 10% of standard	EPA 2023
	10	10.3		
	20	20.2		
	100	99.9		

Calibration Check

Time Start Time Finish

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00			± 0.1	GWMP
pH (SU)	7.00			± 0.1	GWMP
pH (SU)	10.00			± 0.1	GWMP
Specific Conductance (µS/cm)	1,413			± 10% of standard	EPA 2023

	Standard	Calibration Value	Acceptance Criteria	Reference
Turbidity (NTU)	0		± 10% of standard	EPA 2023
	10			
	20			
	100			

Field Instrumentation Calibration Form

ATLANTIC COAST CONSULTING, INC.

Site Name: Grumman Date: 1/28/26

Calibrated By: D. Johnson Field Conditions: Sunny, 32°F

Instrument	Manufactuer/ Model	Serial Number
Water Quality Meter	Aqua Troll 500	1235076
Turbidity Meter	HACH 2100Q	24010D000139

Calibration Standard Information				
Parameter	**Standard**	**Lot #**	**Date of Expiration**	**Brand**
D.O. (%)	N/A	—	—	—
pH (SU)	4.00	SG1A0869	1/27	Fine
pH (SU)	7.00	SG1A0863	1/27	↓
pH (SU)	10.00	SG1A0867	1/27	
Specific Conductance (µS/cm)	1,413	SG10959	9/26	
ORP (mV)	240.0	SGE0627	9/26	

	Standard	**Lot #**	**Date of Expiration**	**Brand**
Turbidity (NTU)	0	—	—	—
	10	A50083	4/26	Hach
	20	1A5092	7/26	↓
	100	1A5081	6/26	

Calibration

Time Start: 0819 Time Finish: 0830

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	100.8	3.99	± 10%	EPA 2023
pH (SU)	4.00	4.00	2.55	± 0.1	GWMP
pH (SU)	7.00	7.06	2.69	± 0.1	GWMP
pH (SU)	10.00	10.1	2.42	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1411	2.76	± 10% of standard	NA
ORP (mV)	240.0	239.9	3.99	± 10	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.22	± 10% of standard	EPA 2023
	10	10.1		
	20	19.9		
	100	101		

Calibration Check

Time Start 1147 Time Finish 1153

Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
pH (SU)	4.00	4.04	11.05	± 0.1	GWMP
pH (SU)	7.00	7.10	10.28	± 0.1	GWMP
pH (SU)	10.00	10.01	10.66	± 0.1	GWMP
Specific Conductance (µS/cm)	1,413	1412	12.65	± 10% of standard	EPA 2023

	Standard	**Calibration Value**	**Acceptance Criteria**	**Reference**
Turbidity (NTU)	0	0.19	± 10% of standard	EPA 2023
	10	10.0		
	20	19.9		
	100	100		

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill

Date: 1/27/2026

Permit Number: 025-061D(LI)

Field Conditions: Fair

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)
GWC-1	YES	YES	NO	YES
GWC-2	YES	YES	NO	YES
GWB-4R	YES	YES	NO	YES
GWB-5R	YES	YES	NO	YES
GWB-6R	YES	YES	NO	YES
GWA-7	YES	YES	NO	YES
GWA-8	YES	YES	NO	YES
GWC-9	YES	YES	NO	YES
GWC-10	YES	YES	NO	YES
GWC-11	YES	YES	NO	YES
GWC-12	YES	YES	NO	YES
GWC-13	YES	YES	NO	YES
GWC-14	YES	YES	NO	YES
GWC-15	YES	YES	NO	YES
GWC-16	YES	YES	NO	YES
GWC-17	YES	YES	NO	YES
GWC-20	YES	YES	NO	YES
GWC-21	YES	YES	NO	YES
GWC-22	YES	YES	NO	YES
MW-23D	YES	YES	NO	YES
MW-24D	YES	YES	NO	YES
MW-25D	YES	YES	NO	YES
MW-26D	YES	YES	NO	YES
MW-27D	YES	YES	NO	YES
PZ-1	YES	YES	NO	YES
PZ-2	YES	YES	NO	YES

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill

Date: 1/27/2026

Permit Number: 025-061D(LI)

Field Conditions: Fair

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
GWC-1	YES	YES	YES	YES	YES
GWC-2	YES	YES	YES	YES	YES
GWB-4R	YES	YES	YES	YES	YES
GWB-5R	YES	YES	YES	YES	YES
GWB-6R	YES	YES	YES	YES	YES
GWA-7	YES	YES	YES	YES	YES
GWA-8	YES	YES	YES	YES	YES
GWC-9	YES	YES	YES	YES	YES
GWC-10	YES	YES	YES	YES	YES
GWC-11	YES	YES	YES	YES	YES
GWC-12	YES	YES	YES	YES	YES
GWC-13	YES	YES	YES	YES	YES
GWC-14	YES	YES	YES	YES	YES
GWC-15	YES	YES	YES	YES	YES
GWC-16	YES	YES	YES	YES	YES
GWC-17	YES	YES	YES	YES	YES
GWC-20	YES	YES	YES	YES	YES
GWC-21	YES	YES	YES	YES	YES
GWC-22	YES	YES	YES	YES	YES
MW-23D	YES	YES	YES	YES	YES
MW-24D	YES	YES	YES	YES	YES
MW-25D	YES	YES	YES	YES	YES
MW-26D	YES	YES	YES	YES	YES
MW-27D	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill Date: 1/27/2026

Permit Number: 025-061D(LI) Field Conditions: Fair

	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
GWC-1	YES	YES	YES	YES	YES	YES
GWC-2	YES	YES	YES	YES	YES	YES
GWB-4R	YES	YES	YES	YES	YES	YES
GWB-5R	YES	YES	YES	YES	YES	YES
GWB-6R	YES	YES	YES	YES	YES	YES
GWA-7	YES	YES	YES	YES	YES	YES
GWA-8	YES	YES	YES	YES	YES	YES
GWC-9	YES	YES	YES	YES	YES	YES
GWC-10	YES	YES	YES	YES	YES	YES
GWC-11	YES	YES	YES	YES	YES	YES
GWC-12	YES	YES	YES	YES	YES	YES
GWC-13	YES	YES	YES	YES	YES	YES
GWC-14	YES	YES	YES	YES	YES	YES
GWC-15	YES	YES	YES	YES	YES	YES
GWC-16	YES	YES	YES	YES	YES	YES
GWC-17	YES	YES	YES	YES	YES	YES
GWC-20	YES	YES	YES	YES	YES	YES
GWC-21	YES	YES	YES	YES	YES	YES
GWC-22	YES	YES	YES	YES	YES	YES
MW-23D	YES	YES	YES	YES	YES	YES
MW-24D	YES	YES	YES	YES	YES	YES
MW-25D	YES	YES	YES	YES	YES	YES
MW-26D	YES	YES	YES	YES	YES	YES
MW-27D	YES	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Kraft Grummand Road Landfill Date: 1/27/2026

Permit Number: 025-061D(LI) Field Conditions: Fair

Well ID:	Corrective actions as needed, by date:
GWC-1	
GWC-2	
GWB-4R	
GWB-5R	
GWB-6R	
GWA-7	
GWA-8	
GWC-9	
GWC-10	
GWC-11	
GWC-12	
GWC-13	
GWC-14	
GWC-15	
GWC-16	
GWC-17	
GWC-20	
GWC-21	
GWC-22	
MW-23D	
MW-24D	
MW-25D	
MW-26D	
MW-27D	
PZ-1	
PZ-2	

APPENDIX C

Statistical Analysis Reports

Grumman Road Private Industrial Landfill
Chatham County, Georgia
2026 Annual Groundwater Monitoring and Corrective Action Report

APPENDIX C

Statistical Analysis Report
July 2025 Monitoring Event

GROUNDWATER STATS CONSULTING

February 27, 2026

Southern Company Services
Attn: Mr. Chris Tidwell
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Kraft's Grumman Road Landfill
Statistical Analysis & Background Update – July 2025 Sample Event

Dear Mr. Tidwell,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the groundwater background update and statistical analysis of the July 2025 sample event for Georgia Power Company's Plant Kraft's Grumman Road Landfill. The analysis complies with 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, and at least 8 background samples were collected at each of the groundwater monitoring wells. Semi-annual sampling of the majority of Appendix IV constituents has been performed at most wells for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-7 and GWA-8
- **Downgradient wells:** GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-2, GWC-9, GWC-11, GWC-12, GWC-13, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- **Assessment wells:** MW-23D, MW-24D, MW-25D, and MW-26D

Assessment wells were installed in late 2020 and were first sampled in early 2021 for all constituents except mercury, which was first sampled in September 2021. All assessment well/constituent pairs have a minimum of 4 samples and therefore have sufficient data to be evaluated using confidence intervals. Note that sampling has ceased at assessment

well MW-27D; therefore, no analysis was required. Sampling has resumed at assessment well MW-26D and is included in this analysis.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder of Groundwater Stats Consulting.

The program monitors the constituents listed below. Georgia EPD Appendix II and CCR Appendix IV constituents overlap with the exception of vanadium and zinc, which are required for Georgia EPD. The terms "parameters" and "constituents" are used interchangeably throughout.

- **Georgia EPD Appendix I** (Detection Monitoring) **–** antimony, arsenic, barium, chromium, lead, selenium, vanadium, and zinc
- **CCR Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix II/CCR Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, vanadium, and zinc

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.

Time series plots for all parameters at each well are provided for the purpose of screening data at these wells (Figure A). Additionally, time series plots of all parameters at upgradient wells are included to more easily display concentrations upgradient of the facility. 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 both individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Due to varying detection limits in background data sets as a result of improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Substituting the most recent reporting limit for historical non-detects results in construction of statistical limits conservative (i.e., lower) from a regulatory perspective.

Data at all wells were originally evaluated during 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. However, interwell methods are currently implemented in accordance with the Georgia EPD regulations and are used to evaluate compliance samples in downgradient wells. Power curves were provided with the previous screening and demonstrated that the selected statistical methods comply with the USEPA Unified Guidance. The EPA suggests that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

Summary of Statistical Methods – Detection Monitoring

Georgia EPD Appendix I Constituents:
Semi-Annual Sampling
Interwell Prediction Limits with 1 of 2 resample plan
Constituents Downgradient: 8
Downgradient wells: 16

CCR Appendix III Constituents:
Semi-Annual Sampling
Interwell Prediction Limits with 1 of 2 resample plan
Constituents Downgradient: 7
Downgradient wells: 16

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 rate of 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, along with the following methodology for handling non-detects:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15%, 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 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.

Summary of Background Screening – Georgia EPD Appendix I Constituents – Conducted in August 2019

Outlier Testing

Time series plots were used to identify suspected outliers or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey's box plot method, several outliers were identified. A summary of those findings was submitted with the August 2019 report. When the most recent values are identified as outliers, values are often not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the

laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Additionally, values that were not identified by Tukey's test and were much higher than the remaining measurements were flagged as appropriate in order to obtain conservative prediction limits that are capable of detecting future changes. As mentioned above, when any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Testing

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. This step would only apply to upgradient wells GWA-7 and GWA-8 since pooled data from these wells are used to construct interwell prediction limits. While this was not required, when any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. A summary of the trend analyses was submitted with the screening report.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified significant differences among upgradient well data for all constituents which would suggest intrawell methods as the most appropriate statistical method. However, interwell methods are currently constructed in accordance with the Georgia EPD regulations and are used to evaluate compliance samples in downgradient wells.

Summary of Background Screening – CCR Appendices III and IV Parameters – Conducted in March 2019

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. A summary of those findings was included with the screening report. When the most recent values are identified as outliers, values were not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported non-detects.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Tests

The results of the Sen's Slope/Mann Kendall trend analyses showed a number of statistically significant increasing and decreasing trends for the Appendix III parameters. Most of the statistically significant trends identified, particularly those in upgradient wells GWA-7 and GWA-8 from which data are used in construction of the interwell prediction limits, were relatively low in magnitude when compared to average concentrations. Also, the background period was short in 2019, making it difficult to determine whether an apparent trend represents a long-term change or simply normal year-to-year variation; therefore, no adjustments were made to the data sets at that time.

Appendix III – Determination of Spatial Variation

The ANOVA identified no variation among upgradient well data for fluoride, making interwell analyses the most appropriate statistical method for this constituent. Variation was noted for boron, calcium, chloride, pH, sulfate, and TDS which suggests the use of intrawell methods as the most appropriate statistical method. However, interwell methods are currently constructed in accordance with the Georgia EPD regulations and are used to evaluate compliance samples in downgradient wells.

Summary of Background Update Conducted in 2025 – Appendix I, III, & IV

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Poole upgradient well data for Appendix I, III, and IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database

with "o" and deselected prior to construction of statistical limits. When the most recent value is identified as an outlier, values are often not flagged in the database at this time as the measurements may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected.

Tukey's outlier test identified values for barium and zinc at upgradient wells. Any values identified by Tukey's, but not flagged in the database, appeared representative of remaining concentrations among pooled upgradient data or were an order of magnitude below the respective Maximum Containment Level (MCL). Previously flagged values were confirmed using the Tukey's outlier test to evaluate pooled upgradient well data (Figure C) and visual screening with time series plots. When any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. Note that while outliers were flagged at downgradient wells during the original screening in 2019 and remain flagged in the database, the deselected measurements having no bearing on interwell limits which are constructed from upgradient well data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each upgradient well to identify statistically significant increasing or decreasing trends at the 99% confidence level for Appendix I & III parameters for the purposes of constructing interwell statistical limits and at the 95% confidence level for Appendix I & IV parameters prior to constructing interwell tolerance limits (Figure D). In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are

truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The following statistically significant trends were identified at upgradient wells:

Appendix I & III (Detection Monitoring)
Increasing

- Boron: GWA-8
- pH: GWA-8
- Vanadium: GWA-7

Decreasing

- Arsenic: GWA-7 and GWA-8
- Barium: GWA-8
- Boron: GWA-7
- Calcium: GWA-7
- Chromium: GWA-8
- Lead: GWA-8
- Selenium: GWA-7
- Sulfate: GWA-7 and GWA-8

Appendix II & IV (Assessment Monitoring)
Increasing

- None

Decreasing

- Arsenic: GWA-7 and GWA-8
- Barium: GWA-8
- Chromium: GWA-8
- Cobalt: GWA-7 and GWA-8
- Combined Radium 226 + 228: GWA-7
- Fluoride: GWA-7 and GWA-8
- Lead: GWA-8
- Molybdenum: GWA-7
- Selenium: GWA-7
- Zinc: GWA-8

Although the results of the trend analyses showed statistically significant decreasing and increasing trends at individual upgradient wells for the Appendix III and IV parameters, the magnitudes of several of the trends noted were relatively low compared to average pooled upgradient concentrations. Additionally, many of the well/constituent pairs with statistically significant trends did not require truncation because truncating earlier

measurements would have no bearing on resulting statistical limits that are constructed using pooled upgradient well data.

While statistically significant decreasing trends were identified for boron and sulfate, more recent concentrations at one or more downgradient wells are of similar magnitude to observations early in the record from respective upgradient wells. Note that the trend tests identified statistically significant decreasing trends for arsenic, chromium, and lead in upgradient well GWA-8 and selenium in upgradient well GWA-7, the slopes, which represent the median slope of all the possible pairwise slopes, are displayed on the graph and summary table as zero. For each of these reasons, no adjustments were required. If the observed decreasing or increasing trends persist over a longer time frame and influence resulting statistical limits, some records may require truncation.

Statistical Analysis of Georgia EPD Appendix I Constituents – 2025

All Appendix I parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. No additional values were flagged during this analysis and a summary of currently flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed from screened pooled upgradient well data through July 2025 for antimony, arsenic, barium, chromium, lead, selenium, vanadium, and zinc (Figure E). The July 2025 sample at each downgradient well is compared to these background limits.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered a false positive result, and therefore, no further action is necessary. If no resample is collected, the initial exceedance is automatically confirmed. A summary table and complete graphical results of the interwell prediction limits follow this letter and include a list of exceedances. Exceedances were identified for the following well/constituent pairs:

- Arsenic: GWC-15, GWC-16, and GWC-20
- Barium: GWC-20

Trend Tests – Appendix I Exceedances

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (Figure F). 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. When trends are present in upgradient wells it is an indication of variability in groundwater quality unrelated to practices at the site. Statistically significant trends were noted for the following well/constituent pairs:

Increasing Trends:

- Barium: GWC-20

Decreasing Trends:

- Arsenic: GWA-7 and GWA-8 (both upgradient)
- Barium: GWA-8 (upgradient)

Note that while the trend test identified a statistically significant decreasing trend for arsenic in upgradient well GWA-8, the slope is displayed as zero which represents the median slope of all the possible pairwise slopes. The zero median slope results from the large number of non-detects in the record, and the negative test statistics result from a few trace values being recorded in the latter part of the record. Both a summary and complete graphical presentation of the trend test results follow this letter.

Statistical Analysis of CCR Appendix III Parameters – July 2025

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. Elevated historic concentrations for TDS at upgradient well GWA-7 were previously flagged in order to reduce variation and construct statistical limits that are representative of present-day groundwater quality conditions. No additional values were flagged as outliers during this analysis and a summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using pooled upgradient well data through July 2025 to develop background limits for boron, calcium, chloride, fluoride, pH, sulfate, and TDS (Figure G). In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the

resample confirms the initial exceedance, a statistically significant increase (SSI) is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered a false positive result and, therefore, no further action is necessary. The January 2025 sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs). Summary tables of the prediction limits follow this letter. Exceedances were identified for the following well/constituent pairs:

- Calcium: GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- Chloride: GWC-17 and GWC-22
- pH (upper limit): GWC-15
- Sulfate: GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22

Trend Tests – Appendix III Exceedances

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents (Figure H). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Such patterns are an indication of variability in groundwater unrelated to practices at the site. Statistically significant trends were noted for the following well/constituent pairs:

Increasing

- Calcium: GWB-4R, GWB-6R, GWC-1, GWC-11, GWC-15, GWC-16, GWC-20, and GWC-21
- pH: GWA-8 (upgradient)
- Sulfate: GWB-4R, GWB-6R, GWC-11, GWC-16, GWC-17, GWC-20, and GWC-21

Decreasing

- Calcium: GWA-7 (upgradient) and GWC-22
- Sulfate: GWA-7 (upgradient), GWA-8 (upgradient), and GWC-22

For Appendix II and IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix II and IV parameters are reassessed for outliers during each analysis. No additional values were flagged during this analysis and a summary of previously flagged outliers follows this report (Figure C).

Additionally, downgradient well data through July 2025 were screened through visual screening using time series graphs. Since the downgradient well data are used to construct confidence intervals, a regulatory conservative approach is taken in that values that are marginally high relative to the rest of the data are retained unless there is particular justification for excluding them. As mentioned above, the majority of values flagged among downgradient wells were flagged during the 2019 screening. The deselected measurements have little to no bearing on resulting confidence intervals, which are constructed using data from 2016 onward. No changes were to previously flagged data were made among downgradient wells for Appendix II and IV parameters and no additional values were flagged. A summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell upper tolerance limits (UTLs) are calculated using Sanitas software, from all historical pooled upgradient well data for Appendix II and IV constituents through July 2025 (Figure I). The UTLs serve as site-specific background limits for each constituent. 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 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 constructed using the highest background measurement. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

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 II and IV constituents for this sample event (Figure J).

Confidence Intervals

To complete the statistical comparison of current sampling data to GWPS, confidence intervals were constructed using Sanitas software using data from 2016 through the present for each of the Appendix II and IV constituents in each downgradient well. As mentioned above, any well/constituent pairs containing 100% non-detects since 2016 were not required for statistical analyses. The confidence intervals were then compared to the GWPS as described above. Only when the entire confidence interval is above a GWPS is the downgradient 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.

During previous analyses, a significant increase in concentrations was identified among the most recent observations when compared to historic records for arsenic at downgradient well GWC-15 and molybdenum at downgradient well GWB-4R; therefore, confidence intervals using observations from August 2020 onward for these well/constituent pairs were constructed on stable, non-trending data (USEPA Unified Guidance, 2009, Chapter 7). Similarly, a significant increase in concentrations was previously identified for cobalt at downgradient well GWB-6R. Therefore, this well/constituent pair will use, at a minimum, the most recent 8 observations for construction of a confidence interval. Trend tests using both the full and truncated records follow this report (Figure K).

A summary of the confidence intervals follows this letter (Figure L) and exceedances were identified for the following well/constituent pairs:

- Arsenic: GWC-15, GWC-16, and GWC-20
- Cobalt: GWB-6R
- Molybdenum: GWB-4R, GWC-16, and GWC-20

Trend Tests – Appendix II & IV Exceedances

All data since 2016 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 M). 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:

- Arsenic: GWC-15 and GWC-16
- Cobalt: GWB-6R
- Molybdenum: GWB-4R

Decreasing trends:

- Arsenic: GWA-7 (upgradient)
- Cobalt: GWA-7 and GWA-8 (both upgradient)
- Molybdenum: GWA-7 (upgradient)

Both a summary and complete graphical presentation of the trend test results follow this letter.

SUMMARY

Based on the statistical analyses described in this letter, the following statistical exceedances were noted:

Prediction Limits (Detection Monitoring Parameters)

Georgia EPD Appendix I:

- Arsenic: GWC-15, GWC-16, and GWC-20
- Barium: GWC-20

CCR Appendix III:

- Calcium: GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- Chloride: GWC-17 and GWC-22
- pH (upper limit): GWC-15
- Sulfate: GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22

Confidence Intervals (Assessment Monitoring Parameters)

Georgia EPD Appendix II and CCR Appendix IV:

- Arsenic: GWC-15, GWC-16, and GWC-20
- Cobalt: GWB-6R
- Molybdenum: GWB-4R, GWC-16, and GWC-20

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Kraft's Grumman Road Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Andrew T. Collins
Project Manager

Kristina M. Rayner
Senior Statistician

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Summary Tables

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100% Non-Detects: Appendix I Downgradient

Antimony (mg/L)
GWC-14

Selenium (mg/L)
GWC-13

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100% Non-Detects: Appendix II & IV Downgradient & Assessment

Antimony (mg/L)
GWC-14, GWC-16, MW-23D, MW-24D, MW-25D, MW-26D

Arsenic (mg/L)
MW-23D, MW-24D

Beryllium (mg/L)
GWC-1, GWC-15, GWC-20, GWC-21, MW-23D, MW-24D

Cadmium (mg/L)
GWB-5R, GWB-6R, GWC-2, GWC-9, GWC-12, GWC-13, GWC-15, GWC-16, GWC-17, GWC-21, MW-24D

Chromium (mg/L)
MW-23D

Cobalt (mg/L)
GWC-1, GWC-13, GWC-15, GWC-16, GWC-20, GWC-21, MW-23D, MW-24D, MW-25D, MW-26D

Fluoride (mg/L)
GWC-11

Lithium (mg/L)
GWB-6R, GWC-1, GWC-2, GWC-11, GWC-14, GWC-15, GWC-16, GWC-20, GWC-21, GWC-22, MW-23D, MW-24D, MW-25D, MW-26D

Molybdenum (mg/L)
GWC-9, MW-26D

Selenium (mg/L)
GWC-9, GWC-13, MW-23D, MW-24D, MW-25D, MW-26D

Thallium (mg/L)
GWB-6R, GWC-9, GWC-13, GWC-15, GWC-20, MW-23D, MW-24D, MW-25D, MW-26D

Vanadium (mg/L)
MW-23D, MW-26D

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Date Ranges

Date: 10/1/2025 11:25 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Arsenic (mg/L)
- GWC-15 overall:8/18/2020-7/30/2025

Cobalt (mg/L)
- GWB-6R overall:2/2/2022-7/29/2025

Molybdenum (mg/L)
- GWB-4R overall:8/19/2020-7/28/2025

Appendix I & III Trend Tests - Upgradient Wells - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-7 (bg)**	**-1.239**	**-100**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-8 (bg)**	**0.01282**	**157**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09818**	**-184**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-2.58**	**Yes**	**84**	**86.9**	**n/a**	**0.01**	**NP**
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-2.58**	**Yes**	**83**	**87.95**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**GWA-8 (bg)**	**0.03556**	**147**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-2.58**	**Yes**	**65**	**61.54**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.811**	**-310**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.845**	**-199**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Vanadium (mg/L)	**GWA-7 (bg)**	**0.006275**	**6.659**	**2.58**	**Yes**	**56**	**21.43**	**n/a**	**0.01**	**NP**

Appendix I & III Trend Tests - Upgradient Wells - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-7 (bg)	0	-1.267	-2.58	No	65	90.77	n/a	0.01	NP
Antimony (mg/L)	GWA-8 (bg)	0	0	2.58	No	84	100	n/a	0.01	NP
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWA-7 (bg)	0.001286	1.56	2.58	No	64	0	n/a	0.01	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-7 (bg)**	**-1.239**	**-100**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-8 (bg)**	**0.01282**	**157**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09818**	**-184**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-8 (bg)	0.0365	14	139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWA-7 (bg)	-3.169	-55	-139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWA-8 (bg)	-0.2017	-85	-139	No	29	0	n/a	0.01	NP
Chromium (mg/L)	GWA-7 (bg)	-0.0007742	-1.931	-2.58	No	64	25	n/a	0.01	NP
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-2.58**	**Yes**	**84**	**86.9**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	GWA-7 (bg)	-0.00915	-98	-111	No	25	28	n/a	0.01	NP
Fluoride (mg/L)	GWA-8 (bg)	-0.006173	-88	-111	No	25	12	n/a	0.01	NP
Lead (mg/L)	GWA-7 (bg)	0	-1.698	-2.58	No	62	54.84	n/a	0.01	NP
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-2.58**	**Yes**	**83**	**87.95**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWA-7 (bg)	-0.006358	-9	-111	No	25	0	n/a	0.01	NP
pH, Field (SU)	**GWA-8 (bg)**	**0.03556**	**147**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-2.58**	**Yes**	**65**	**61.54**	**n/a**	**0.01**	**NP**
Selenium (mg/L)	GWA-8 (bg)	0	-0.9975	-2.58	No	84	97.62	n/a	0.01	NP
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.811**	**-310**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.845**	**-199**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	GWA-7 (bg)	-104.1	-53	-68	No	18	0	n/a	0.01	NP
TDS (mg/L)	GWA-8 (bg)	-11.23	-97	-98	No	23	0	n/a	0.01	NP
Vanadium (mg/L)	**GWA-7 (bg)**	**0.006275**	**6.659**	**2.58**	**Yes**	**56**	**21.43**	**n/a**	**0.01**	**NP**
Vanadium (mg/L)	GWA-8 (bg)	0	-1.826	-2.58	No	81	85.19	n/a	0.01	NP
Zinc (mg/L)	GWA-7 (bg)	0	-0.1869	-2.58	No	60	26.67	n/a	0.01	NP
Zinc (mg/L)	GWA-8 (bg)	-0.0001015	-2.42	-2.58	No	81	28.4	n/a	0.01	NP

Appendix I & IV Trend Tests - Upgradient Wells - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-1.96**	**Yes**	**65**	**55.38**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-1.96**	**Yes**	**84**	**90.48**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-1.96**	**Yes**	**83**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-1.96**	**Yes**	**84**	**86.9**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0001226**	**-241**	**-140**	**Yes**	**35**	**48.57**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001785**	**-266**	**-140**	**Yes**	**35**	**57.14**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**GWA-7 (bg)**	**-0.6064**	**-92**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**GWA-7 (bg)**	**-0.00915**	**-98**	**-85**	**Yes**	**25**	**28**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**GWA-8 (bg)**	**-0.006173**	**-88**	**-85**	**Yes**	**25**	**12**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-1.96**	**Yes**	**83**	**87.95**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-1.96**	**Yes**	**65**	**61.54**	**n/a**	**0.05**	**NP**
Zinc (mg/L)	**GWA-8 (bg)**	**-0.0001015**	**-2.42**	**-1.96**	**Yes**	**81**	**28.4**	**n/a**	**0.05**	**NP**

Appendix I & IV Trend Tests - Upgradient Wells - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:49 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-7 (bg)	0	-1.267	-1.96	No	65	90.77	n/a	0.05	NP
Antimony (mg/L)	GWA-8 (bg)	0	0	1.96	No	84	100	n/a	0.05	NP
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-1.96**	**Yes**	**65**	**55.38**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-1.96**	**Yes**	**84**	**90.48**	**n/a**	**0.05**	**NP**
Barium (mg/L)	GWA-7 (bg)	0.001286	1.56	1.96	No	64	0	n/a	0.05	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-1.96**	**Yes**	**83**	**0**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	GWA-7 (bg)	0	-31	-145	No	36	77.78	n/a	0.05	NP
Beryllium (mg/L)	GWA-8 (bg)	0	-137	-140	No	35	51.43	n/a	0.05	NP
Cadmium (mg/L)	GWA-7 (bg)	0	15	140	No	35	94.29	n/a	0.05	NP
Cadmium (mg/L)	GWA-8 (bg)	0	0	134	No	34	100	n/a	0.05	NP
Chromium (mg/L)	GWA-7 (bg)	-0.0007742	-1.931	-1.96	No	64	25	n/a	0.05	NP
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-1.96**	**Yes**	**84**	**86.9**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0001226**	**-241**	**-140**	**Yes**	**35**	**48.57**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001785**	**-266**	**-140**	**Yes**	**35**	**57.14**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**GWA-7 (bg)**	**-0.6064**	**-92**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	GWA-8 (bg)	0.02466	18	76	No	23	0	n/a	0.05	NP
Fluoride (mg/L)	**GWA-7 (bg)**	**-0.00915**	**-98**	**-85**	**Yes**	**25**	**28**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**GWA-8 (bg)**	**-0.006173**	**-88**	**-85**	**Yes**	**25**	**12**	**n/a**	**0.05**	**NP**
Lead (mg/L)	GWA-7 (bg)	0	-1.698	-1.96	No	62	54.84	n/a	0.05	NP
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-1.96**	**Yes**	**83**	**87.95**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	GWA-7 (bg)	0	0	76	No	23	100	n/a	0.05	NP
Lithium (mg/L)	GWA-8 (bg)	0	-8	-76	No	23	60.87	n/a	0.05	NP
Mercury (mg/L)	GWA-7 (bg)	0	37	62	No	20	80	n/a	0.05	NP
Mercury (mg/L)	GWA-8 (bg)	0	-3	-62	No	20	95	n/a	0.05	NP
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWA-8 (bg)	0	0	76	No	23	100	n/a	0.05	NP
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-1.96**	**Yes**	**65**	**61.54**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	GWA-8 (bg)	0	-0.9975	-1.96	No	84	97.62	n/a	0.05	NP
Thallium (mg/L)	GWA-7 (bg)	0	6	164	No	39	97.44	n/a	0.05	NP
Thallium (mg/L)	GWA-8 (bg)	0	-0.5002	-1.96	No	41	92.68	n/a	0.05	NP
Zinc (mg/L)	GWA-7 (bg)	0	-0.1869	-1.96	No	60	26.67	n/a	0.05	NP
Zinc (mg/L)	**GWA-8 (bg)**	**-0.0001015**	**-2.42**	**-1.96**	**Yes**	**81**	**28.4**	**n/a**	**0.05**	**NP**

Appendix I Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**7/30/2025**	**0.325**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**7/30/2025**	**0.17**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**7/29/2025**	**0.186**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**7/29/2025**	**0.297**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009114**	**NP Inter (normality) 1 of 2**

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	n/a	7/28/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-5R	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-6R	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-1	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-2	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-12	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-15	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-16	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-17	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-20	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-21	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-22	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-4R	0.0287	n/a	7/28/2025	0.00507	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-5R	0.0287	n/a	7/30/2025	0.00227J	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-6R	0.0287	n/a	7/29/2025	0.00474J	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-1	0.0287	n/a	7/29/2025	0.00906	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-2	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.0287	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-12	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-13	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-14	0.0287	n/a	7/30/2025	0.00239J	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**7/30/2025**	**0.325**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**7/30/2025**	**0.17**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-17	0.0287	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**7/29/2025**	**0.186**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-21	0.0287	n/a	7/30/2025	0.028	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-22	0.0287	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWB-4R	0.236	n/a	7/28/2025	0.202	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-5R	0.236	n/a	7/30/2025	0.129	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-6R	0.236	n/a	7/29/2025	0.0207	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-1	0.236	n/a	7/29/2025	0.0467	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-2	0.236	n/a	7/30/2025	0.0484	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-9	0.236	n/a	7/30/2025	0.173	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-11	0.236	n/a	7/29/2025	0.111	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-12	0.236	n/a	7/30/2025	0.019	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-13	0.236	n/a	7/30/2025	0.0564	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-14	0.236	n/a	7/30/2025	0.0931	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-15	0.236	n/a	7/30/2025	0.0553	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-16	0.236	n/a	7/30/2025	0.105	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-17	0.236	n/a	7/29/2025	0.0311	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**7/29/2025**	**0.297**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009114**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	GWC-21	0.236	n/a	7/30/2025	0.172	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-22	0.236	n/a	7/29/2025	0.199	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Chromium (mg/L)	GWB-4R	0.068	n/a	7/28/2025	0.00648J	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-5R	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-6R	0.068	n/a	7/29/2025	0.00477J	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-1	0.068	n/a	7/29/2025	0.0032J	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-2	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-12	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-13	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-14	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-15	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-16	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-17	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-4R	0.013	n/a	7/28/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-5R	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-6R	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-1	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-2	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-9	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-12	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-14	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-15	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-16	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-17	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-4R	0.0438	n/a	7/28/2025	0.00415J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-5R	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-6R	0.0438	n/a	7/29/2025	0.00255J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-1	0.0438	n/a	7/29/2025	0.00202J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-2	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.0438	n/a	7/29/2025	0.00252J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-12	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-14	0.0438	n/a	7/30/2025	0.00432J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-15	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-16	0.0438	n/a	7/30/2025	0.00347J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-17	0.0438	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-20	0.0438	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.0438	n/a	7/30/2025	0.00521	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.0438	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-4R	0.24	n/a	7/28/2025	0.0278	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-5R	0.24	n/a	7/30/2025	0.00844J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-6R	0.24	n/a	7/29/2025	0.0285	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.24	n/a	7/29/2025	0.00673J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-2	0.24	n/a	7/30/2025	0.00539J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.24	n/a	7/30/2025	0.00373J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.24	n/a	7/29/2025	0.00404J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.24	n/a	7/30/2025	0.0107J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.24	n/a	7/30/2025	0.00332J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.24	n/a	7/30/2025	0.00867J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-15	0.24	n/a	7/30/2025	0.00438J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-16	0.24	n/a	7/30/2025	0.00574J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.24	n/a	7/29/2025	0.00465J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-20	0.24	n/a	7/29/2025	0.00636J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.24	n/a	7/30/2025	0.00587J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-22	0.24	n/a	7/29/2025	0.00665J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWB-4R	0.16	n/a	7/28/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-5R	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-6R	0.16	n/a	7/29/2025	0.0152J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.16	n/a	7/29/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.16	n/a	7/29/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-13	0.16	n/a	7/30/2025	0.0151J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-14	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-15	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-16	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-17	0.16	n/a	7/29/2025	0.0063J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.16	n/a	7/29/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-21	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.16	n/a	7/29/2025	0.0173J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01482**	**431**	**206**	**Yes**	**38**	**0**	**n/a**	**0.01**	**NP**

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	GWC-15	0.006297	6	38	No	12	0	n/a	0.01	NP
Arsenic (mg/L)	GWC-16	-0.0001163	-0.2911	-2.58	No	83	1.205	n/a	0.01	NP
Arsenic (mg/L)	GWC-20	0.004166	85	206	No	38	0	n/a	0.01	NP
Barium (mg/L)	GWA-7 (bg)	0.001286	1.56	2.58	No	64	0	n/a	0.01	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01482**	**431**	**206**	**Yes**	**38**	**0**	**n/a**	**0.01**	**NP**

Appendix III Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWB-4R	35.8	n/a	7/28/2025	155	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-5R	35.8	n/a	7/30/2025	102	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-6R	35.8	n/a	7/29/2025	59.8	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-1	35.8	n/a	7/29/2025	61.1	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	35.8	n/a	7/29/2025	101	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	35.8	n/a	7/30/2025	51.6	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-14	35.8	n/a	7/30/2025	136	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-15	35.8	n/a	7/30/2025	137	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-16	35.8	n/a	7/30/2025	191	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17	35.8	n/a	7/29/2025	81.7	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	35.8	n/a	7/29/2025	246	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	35.8	n/a	7/30/2025	93.3	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22	35.8	n/a	7/29/2025	114	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-17	260	n/a	7/29/2025	428	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-22	260	n/a	7/29/2025	394	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-15	6.43	4.23	7/30/2025	6.58	Yes	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-4R	160	n/a	7/28/2025	593	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-5R	160	n/a	7/30/2025	661	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-6R	160	n/a	7/29/2025	487	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-11	160	n/a	7/29/2025	554	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-12	160	n/a	7/30/2025	388	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-14	160	n/a	7/30/2025	219	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-16	160	n/a	7/30/2025	1360	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-17	160	n/a	7/29/2025	385	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-20	160	n/a	7/29/2025	1260	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21	160	n/a	7/30/2025	413	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-22	160	n/a	7/29/2025	812	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:20 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)	GWB-4R	21.8	n/a	7/28/2025	5.53	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-5R	21.8	n/a	7/30/2025	3.24	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-6R	21.8	n/a	7/29/2025	5.27	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-1	21.8	n/a	7/29/2025	0.449	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-2	21.8	n/a	7/30/2025	0.0235	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-9	21.8	n/a	7/30/2025	0.0191	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-11	21.8	n/a	7/29/2025	1.59	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-12	21.8	n/a	7/30/2025	6.57	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-13	21.8	n/a	7/30/2025	0.238	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-14	21.8	n/a	7/30/2025	0.0576	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-15	21.8	n/a	7/30/2025	0.708	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-16	21.8	n/a	7/30/2025	18.1	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-17	21.8	n/a	7/29/2025	1.32	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-20	21.8	n/a	7/29/2025	18	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-21	21.8	n/a	7/30/2025	4.6	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-22	21.8	n/a	7/29/2025	8.01	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWB-4R**	**35.8**	**n/a**	**7/28/2025**	**155**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-5R**	**35.8**	**n/a**	**7/30/2025**	**102**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-6R**	**35.8**	**n/a**	**7/29/2025**	**59.8**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-1**	**35.8**	**n/a**	**7/29/2025**	**61.1**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-2	35.8	n/a	7/30/2025	0.233	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	35.8	n/a	7/30/2025	4.81	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-11**	**35.8**	**n/a**	**7/29/2025**	**101**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-12**	**35.8**	**n/a**	**7/30/2025**	**51.6**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-13	35.8	n/a	7/30/2025	6.09	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-14**	**35.8**	**n/a**	**7/30/2025**	**136**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-15**	**35.8**	**n/a**	**7/30/2025**	**137**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-16**	**35.8**	**n/a**	**7/30/2025**	**191**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-17**	**35.8**	**n/a**	**7/29/2025**	**81.7**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-20**	**35.8**	**n/a**	**7/29/2025**	**246**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-21**	**35.8**	**n/a**	**7/30/2025**	**93.3**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-22**	**35.8**	**n/a**	**7/29/2025**	**114**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWB-4R	260	n/a	7/28/2025	146	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-5R	260	n/a	7/30/2025	41.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-6R	260	n/a	7/29/2025	63.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	260	n/a	7/29/2025	4.59	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-2	260	n/a	7/30/2025	3.72	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	260	n/a	7/30/2025	22.5	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	260	n/a	7/29/2025	75.2	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	260	n/a	7/30/2025	52.3	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	260	n/a	7/30/2025	4.46	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14	260	n/a	7/30/2025	37.1	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15	260	n/a	7/30/2025	5.71	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-16	260	n/a	7/30/2025	40.8	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-17**	**260**	**n/a**	**7/29/2025**	**428**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWC-20	260	n/a	7/29/2025	17.5	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	260	n/a	7/30/2025	17.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-22**	**260**	**n/a**	**7/29/2025**	**394**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWB-4R	0.49	n/a	7/28/2025	0.0357J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-5R	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-6R	0.49	n/a	7/29/2025	0.0648J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.49	n/a	7/29/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-2	0.49	n/a	7/30/2025	0.0506J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-9	0.49	n/a	7/30/2025	0.0743J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-11	0.49	n/a	7/29/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-12	0.49	n/a	7/30/2025	0.137	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-13	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-14	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-15	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-17	0.49	n/a	7/29/2025	0.418	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-20	0.49	n/a	7/29/2025	0.269J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-21	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-22	0.49	n/a	7/29/2025	0.0732J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-4R	6.43	4.23	7/28/2025	6.09	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-5R	6.43	4.23	7/30/2025	5.47	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-6R	6.43	4.23	7/29/2025	5.47	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-1	6.43	4.23	7/29/2025	6.01	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-2	6.43	4.23	7/30/2025	4.48	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-9	6.43	4.23	7/30/2025	4.51	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-11	6.43	4.23	7/29/2025	4.92	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-12	6.43	4.23	7/30/2025	4.37	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-13	6.43	4.23	7/30/2025	4.62	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-14	6.43	4.23	7/30/2025	6.06	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	**GWC-15**	**6.43**	**4.23**	**7/30/2025**	**6.58**	**Yes**	**50**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001434**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	GWC-16	6.43	4.23	7/30/2025	5.32	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-17	6.43	4.23	7/29/2025	5.06	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-20	6.43	4.23	7/29/2025	5.91	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-21	6.43	4.23	7/30/2025	5.69	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-22	6.43	4.23	7/29/2025	4.56	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWB-4R**	**160**	**n/a**	**7/28/2025**	**593**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-5R**	**160**	**n/a**	**7/30/2025**	**661**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-6R**	**160**	**n/a**	**7/29/2025**	**487**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-1	160	n/a	7/29/2025	25.9	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-2	160	n/a	7/30/2025	11.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-9	160	n/a	7/30/2025	22.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-11**	**160**	**n/a**	**7/29/2025**	**554**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-12**	**160**	**n/a**	**7/30/2025**	**388**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-13	160	n/a	7/30/2025	46.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-14**	**160**	**n/a**	**7/30/2025**	**219**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-15	160	n/a	7/30/2025	74	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-16**	**160**	**n/a**	**7/30/2025**	**1360**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-17**	**160**	**n/a**	**7/29/2025**	**385**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-20**	**160**	**n/a**	**7/29/2025**	**1260**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-21**	**160**	**n/a**	**7/30/2025**	**413**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-22**	**160**	**n/a**	**7/29/2025**	**812**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	GWB-4R	2640	n/a	7/28/2025	2130	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-5R	2640	n/a	7/30/2025	1110	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-6R	2640	n/a	7/29/2025	1110	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-1	2640	n/a	7/29/2025	327	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-2	2640	n/a	7/30/2025	20	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-9	2640	n/a	7/30/2025	90	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-11	2640	n/a	7/29/2025	977	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-12	2640	n/a	7/30/2025	638	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-13	2640	n/a	7/30/2025	114	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-14	2640	n/a	7/30/2025	722	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-15	2640	n/a	7/30/2025	544	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-16	2640	n/a	7/30/2025	2100	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-17	2640	n/a	7/29/2025	1330	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-20	2640	n/a	7/29/2025	2100	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-21	2640	n/a	7/30/2025	735	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-22	2640	n/a	7/29/2025	1910	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:26 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	GWA-7 (bg)	-0.09818	-184	-139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWB-4R	11.34	210	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWB-6R	3.991	281	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-1	1.647	204	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-11	8.066	289	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-15	1.924	183	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-16	14.98	310	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-20	17.91	113	98	Yes	23	0	n/a	0.01	NP
Calcium (mg/L)	GWC-21	16.29	140	98	Yes	23	0	n/a	0.01	NP
Calcium (mg/L)	GWC-22	-5.554	-130	-98	Yes	23	0	n/a	0.01	NP
pH, Field (SU)	GWA-8 (bg)	0.03556	147	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-7 (bg)	-4.811	-310	-139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-8 (bg)	-3.845	-199	-139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-4R	22.4	224	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-6R	41.54	282	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-11	42.3	282	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-16	76.49	326	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-17	20.8	145	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	81.8	103	98	Yes	23	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-21	60.21	140	98	Yes	23	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-22	-27.45	-137	-98	Yes	23	0	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:26 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09818**	**-184**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-8 (bg)	0.0365	14	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-4R**	**11.34**	**210**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWB-5R	2.006	87	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-6R**	**3.991**	**281**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-1**	**1.647**	**204**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-11**	**8.066**	**289**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-12	0.954	53	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-14	5.812	136	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-15**	**1.924**	**183**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-16**	**14.98**	**310**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-17	3.488	113	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-20**	**17.91**	**113**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-21**	**16.29**	**140**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-22**	**-5.554**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-7 (bg)	-3.169	-55	-139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWA-8 (bg)	-0.2017	-85	-139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWC-17	15.69	58	139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWC-22	-9.192	-85	-98	No	23	0	n/a	0.01	NP
pH, Field (SU)	GWA-7 (bg)	-0.006358	-9	-111	No	25	0	n/a	0.01	NP
pH, Field (SU)	**GWA-8 (bg)**	**0.03556**	**147**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWC-15	0.03357	107	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.811**	**-310**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.845**	**-199**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWB-4R**	**22.4**	**224**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWB-5R	9.001	39	146	No	30	0	n/a	0.01	NP
Sulfate (mg/L)	**GWB-6R**	**41.54**	**282**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-11**	**42.3**	**282**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWC-12	-1.075	-8	-139	No	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-14	-0.4074	-2	-139	No	29	0	n/a	0.01	NP
Sulfate (mg/L)	**GWC-16**	**76.49**	**326**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-17**	**20.8**	**145**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-20**	**81.8**	**103**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-21**	**60.21**	**140**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-22**	**-27.45**	**-137**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits Summary Table

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:22 AM

Constituent	Upper Lim.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.003	n/a	149	n/a	n/a	95.97	n/a	n/a	0.0004795	NP Inter(NDs)
Arsenic (mg/L)	0.0287	n/a	149	n/a	n/a	75.17	n/a	n/a	0.0004795	NP Inter(NDs)
Barium (mg/L)	0.236	n/a	147	n/a	n/a	0	n/a	n/a	0.0005313	NP Inter(normality)
Beryllium (mg/L)	0.0017	n/a	71	n/a	n/a	64.79	n/a	n/a	0.0262	NP Inter(NDs)
Cadmium (mg/L)	0.001	n/a	69	n/a	n/a	97.1	n/a	n/a	0.02904	NP Inter(NDs)
Chromium (mg/L)	0.068	n/a	148	n/a	n/a	60.14	n/a	n/a	0.0005048	NP Inter(NDs)
Cobalt (mg/L)	0.0102	n/a	70	n/a	n/a	52.86	n/a	n/a	0.02758	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	10.85	n/a	43	1.518	0.3305	0	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.49	n/a	50	n/a	n/a	20	n/a	n/a	0.07694	NP Inter(normality)
Lead (mg/L)	0.013	n/a	145	n/a	n/a	73.79	n/a	n/a	0.0005887	NP Inter(NDs)
Lithium (mg/L)	0.01	n/a	46	n/a	n/a	80.43	n/a	n/a	0.09447	NP Inter(NDs)
Mercury (mg/L)	0.0002	n/a	40	n/a	n/a	87.5	n/a	n/a	0.1285	NP Inter(NDs)
Molybdenum (mg/L)	0.0098	n/a	46	n/a	n/a	78.26	n/a	n/a	0.09447	NP Inter(NDs)
Selenium (mg/L)	0.0438	n/a	149	n/a	n/a	81.88	n/a	n/a	0.0004795	NP Inter(NDs)
Thallium (mg/L)	0.002	n/a	80	n/a	n/a	95	n/a	n/a	0.01652	NP Inter(NDs)
Vanadium (mg/L)	0.24	n/a	137	n/a	n/a	59.12	n/a	n/a	0.0008874	NP Inter(NDs)
Zinc (mg/L)	0.16	n/a	141	n/a	n/a	27.66	n/a	n/a	0.0007228	NP Inter(normality)

GRUMMAN ROAD LANDFILL 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		0.029	0.029
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0017	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.068	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.010	0.010
Combined Radium, Total (pCi/L)	5		10.85	10.85
Fluoride, Total (mg/L)	4		0.49	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.0098	0.1
Selenium, Total (mg/L)	0.05		0.044	0.05
Thallium, Total (mg/L)	0.002		0.002	0.002
Vanadium, Total (mg/L)	n/a		0.24	0.24
Zinc, Total (mg/L)	n/a		0.16	0.16

**Highlighted cells indicated Background is higher than MCLs*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests
All/Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:45 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.00713**	**9.137**	**1.96**	**Yes**	**66**	**46.97**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0**	**171**	**145**	**Yes**	**36**	**72.22**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01325**	**107**	**76**	**Yes**	**23**	**0**	**n/a**	**0.05**	**NP**

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests - Truncated All Results (No Significant)

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:46 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	GWC-15	0.006297	6	30	No	12	0	n/a	0.05	NP
Cobalt (mg/L)	GWB-6R	-0.00992	-12	-17	No	8	0	n/a	0.05	NP
Molybdenum (mg/L)	GWB-4R	-0.006519	-23	-30	No	12	0	n/a	0.05	NP

Appendix II & IV - Confidence Intervals - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.273**	**0.1955**	**0.029**	**Yes**	**12**	**0.2343**	**0.04943**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.101**	**0.07159**	**0.029**	**Yes**	**28**	**0.08631**	**0.0315**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-20**	**0.366**	**0.2777**	**0.029**	**Yes**	**27**	**0.3219**	**0.09251**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**GWB-6R**	**0.06132**	**0.01988**	**0.01**	**Yes**	**8**	**0.03998**	**0.0208**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWB-4R**	**0.1565**	**0.1124**	**0.1**	**Yes**	**12**	**0.1344**	**0.02812**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-16**	**0.1832**	**0.1175**	**0.1**	**Yes**	**23**	**0.1504**	**0.06279**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-20**	**0.4691**	**0.2051**	**0.1**	**Yes**	**23**	**0.3371**	**0.2523**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	0.0003	0.006	No	27	0.0029	0.0005196	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-5R	0.003	0.0013	0.006	No	27	0.002746	0.0007465	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-6R	0.003	0.00059	0.006	No	27	0.00281	0.0006845	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-1	0.003	0.0016	0.006	No	27	0.002676	0.0008132	85.19	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-2	0.003	0.0016	0.006	No	27	0.002885	0.0004158	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-9	0.003	0.0016	0.006	No	27	0.002849	0.0005709	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-11	0.003	0.00066	0.006	No	27	0.002113	0.001182	62.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-12	0.003	0.0003	0.006	No	27	0.0029	0.0005196	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-13	0.003	0.0006	0.006	No	27	0.002911	0.0004619	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-15	0.003	0.0018	0.006	No	27	0.002956	0.0002309	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-17	0.003	0.00286	0.006	No	27	0.00275	0.000663	81.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-20	0.003	0.0019	0.006	No	27	0.002872	0.0004919	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-21	0.003	0.00033	0.006	No	27	0.002901	0.0005138	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-22	0.003	0.0022	0.006	No	27	0.002635	0.0008449	81.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWB-4R	0.003873	0.002289	0.029	No	27	0.003249	0.001876	7.407	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GWB-5R	0.002446	0.001342	0.029	No	27	0.002684	0.001757	18.52	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GWB-6R	0.004147	0.001986	0.029	No	27	0.007779	0.008648	18.52	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	GWC-1	0.006474	0.003088	0.029	No	27	0.006176	0.006197	0	None	ln(x)	0.01	Param.
Arsenic (mg/L)	GWC-2	0.005	0.00094	0.029	No	27	0.004516	0.001397	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-9	0.005	0.00084	0.029	No	27	0.004846	0.0008006	96.3	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-11	0.005	0.00254	0.029	No	27	0.004813	0.0006741	92.59	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-12	0.005	0.0016	0.029	No	27	0.004404	0.001465	85.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-13	0.005	0.0025	0.029	No	27	0.004581	0.001247	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-14	0.003	0.0019	0.029	No	28	0.002755	0.001285	21.43	None	No	0.01	NP (normality)
Arsenic (mg/L)	**GWC-15**	**0.273**	**0.1955**	**0.029**	**Yes**	**12**	**0.2343**	**0.04943**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.101**	**0.07159**	**0.029**	**Yes**	**28**	**0.08631**	**0.0315**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-17	0.005	0.0012	0.029	No	27	0.003251	0.001886	51.85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**GWC-20**	**0.366**	**0.2777**	**0.029**	**Yes**	**27**	**0.3219**	**0.09251**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-21	0.02	0.0033	0.029	No	27	0.01097	0.01116	25.93	None	No	0.01	NP (normality)
Arsenic (mg/L)	GWC-22	0.005	0.0017	0.029	No	27	0.00362	0.001889	62.96	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-25D	0.005	0.005	0.029	No	11	0.004629	0.00123	90.91	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-26D	0.005	0.001	0.029	No	7	0.003929	0.001835	71.43	None	No	0.008	NP (NDs)
Barium (mg/L)	GWB-4R	0.134	0.077	2	No	27	0.1096	0.04281	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWB-5R	0.1373	0.0919	2	No	27	0.1183	0.05222	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWB-6R	0.105	0.0197	2	No	27	0.05743	0.04124	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-1	0.05621	0.05079	2	No	27	0.0535	0.005683	0	None	No	0.01	Param.
Barium (mg/L)	GWC-2	0.0529	0.049	2	No	26	0.05185	0.006714	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-9	0.2224	0.1677	2	No	27	0.1981	0.06048	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-11	0.1286	0.08657	2	No	27	0.1076	0.04407	0	None	No	0.01	Param.
Barium (mg/L)	GWC-12	0.02267	0.01843	2	No	27	0.02073	0.004604	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-13	0.03684	0.02438	2	No	27	0.03206	0.01486	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	GWC-14	0.073	0.0274	2	No	28	0.04992	0.02927	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-15	0.05205	0.04321	2	No	27	0.04763	0.009275	0	None	No	0.01	Param.
Barium (mg/L)	GWC-16	0.1552	0.09324	2	No	28	0.1242	0.06632	0	None	No	0.01	Param.
Barium (mg/L)	GWC-17	0.07359	0.0391	2	No	27	0.06777	0.05276	0	None	ln(x)	0.01	Param.
Barium (mg/L)	GWC-20	0.2206	0.1231	2	No	27	0.1833	0.1104	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-21	0.1492	0.07694	2	No	27	0.1227	0.08042	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-22	0.0894	0.05547	2	No	27	0.07569	0.0396	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-23D	0.0765	0.0554	2	No	10	0.06712	0.00996	0	None	No	0.011	NP (normality)
Barium (mg/L)	MW-24D	0.03722	0.02596	2	No	10	0.03169	0.00695	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-25D	0.02791	0.02323	2	No	10	0.02557	0.002623	0	None	No	0.01	Param.
Barium (mg/L)	MW-26D	0.037	0.026	2	No	7	0.02919	0.003644	0	None	No	0.008	NP (normality)
Beryllium (mg/L)	GWB-4R	0.0005	0.0004	0.004	No	23	0.0004087	0.0001676	73.91	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWB-5R	0.0005	0.0001	0.004	No	23	0.0003105	0.0001818	43.48	None	No	0.01	NP (normality)
Beryllium (mg/L)	GWB-6R	0.0005	0.00005	0.004	No	23	0.0004607	0.0001302	91.3	None	No	0.01	NP (NDs)

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-2	0.0005	0.0003	0.004	No	24	0.0004032	0.0001766	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-9	0.0002591	0.0002128	0.004	No	23	0.000236	0.00004423	13.04	None	No	0.01	Param.
Beryllium (mg/L)	GWC-11	0.0005	0.000047	0.004	No	23	0.0004803	0.00009446	95.65	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-12	0.000707	0.0005143	0.004	No	23	0.0006202	0.0001978	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	GWC-13	0.0005	0.000058	0.004	No	24	0.0004816	0.00009022	95.83	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-14	0.0005	0.0001	0.004	No	23	0.0004457	0.0001434	86.96	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-16	0.0005	0.00009	0.004	No	23	0.0003189	0.0002114	56.52	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-17	0.002316	0.001642	0.004	No	23	0.002063	0.0007682	0	None	ln(x)	0.01	Param.
Beryllium (mg/L)	GWC-22	0.0005	0.0002	0.004	No	23	0.0003842	0.0001814	69.57	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-25D	0.0005	0.0005	0.004	No	10	0.0004584	0.0001316	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	MW-26D	0.0005	0.000073	0.004	No	7	0.000323	0.0002209	57.14	None	No	0.008	NP (NDs)
Cadmium (mg/L)	GWB-4R	0.001	0.000304	0.005	No	23	0.000821	0.0003493	78.26	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-1	0.001	0.0001	0.005	No	24	0.0009238	0.0002584	91.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-11	0.0005604	0.0003295	0.005	No	23	0.000445	0.0002207	8.696	None	No	0.01	Param.
Cadmium (mg/L)	GWC-14	0.001	0.0002	0.005	No	23	0.0007474	0.0003911	69.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-20	0.001	0.000823	0.005	No	23	0.0008693	0.0002878	78.26	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-22	0.001	0.0002	0.005	No	23	0.0006543	0.0004119	56.52	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-23D	0.001	0.001	0.005	No	10	0.000927	0.0002308	90	None	No	0.011	NP (NDs)
Cadmium (mg/L)	MW-25D	0.001	0.001	0.005	No	10	0.000919	0.0002561	90	None	No	0.011	NP (NDs)
Cadmium (mg/L)	MW-26D	0.001	0.00029	0.005	No	7	0.0008437	0.000283	71.43	None	No	0.008	NP (NDs)
Chromium (mg/L)	GWB-4R	0.007179	0.003727	0.1	No	27	0.005906	0.003939	3.704	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	GWB-5R	0.01	0.0013	0.1	No	27	0.008432	0.01344	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	GWB-6R	0.005714	0.002645	0.1	No	27	0.004881	0.00443	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	GWC-1	0.0062	0.0018	0.1	No	27	0.004003	0.003391	22.22	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-2	0.01	0.001	0.1	No	27	0.007264	0.004298	70.37	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-9	0.01	0.0012	0.1	No	27	0.005803	0.004448	51.85	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-11	0.01	0.00094	0.1	No	27	0.005966	0.004585	51.85	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-12	0.01	0.0011	0.1	No	27	0.004801	0.004409	40.74	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-13	0.01	0.0011	0.1	No	27	0.006973	0.004368	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-14	0.01	0.0009	0.1	No	28	0.006095	0.004595	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-15	0.01	0.0014	0.1	No	27	0.0056	0.004337	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-16	0.01	0.0011	0.1	No	28	0.006167	0.004511	53.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-17	0.01	0.0011	0.1	No	27	0.005537	0.004464	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-20	0.01	0.0011	0.1	No	27	0.005597	0.004411	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-21	0.01	0.00075	0.1	No	27	0.006564	0.004566	59.26	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-22	0.01	0.00064	0.1	No	27	0.006866	0.004517	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-24D	0.01	0.01	0.1	No	10	0.009069	0.002944	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-25D	0.01	0.01	0.1	No	10	0.00916	0.002656	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-26D	0.01	0.002	0.1	No	7	0.008857	0.003024	85.71	None	No	0.008	NP (NDs)
Cobalt (mg/L)	GWB-4R	0.00252	0.0009	0.01	No	23	0.003262	0.004119	8.696	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWB-5R	0.003487	0.00109	0.01	No	24	0.006082	0.008857	29.17	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	**GWB-6R**	**0.06132**	**0.01988**	**0.01**	**Yes**	**8**	**0.03998**	**0.0208**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	GWC-2	0.001	0.00036	0.01	No	24	0.0008908	0.0002618	79.17	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-9	0.0016	0.000944	0.01	No	23	0.001211	0.0003935	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWC-11	0.001	0.00055	0.01	No	23	0.0008351	0.0002517	56.52	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-12	0.001079	0.0007493	0.01	No	23	0.0009327	0.0003396	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	GWC-14	0.001	0.0003	0.01	No	23	0.0009696	0.000146	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-17	0.0061	0.00242	0.01	No	23	0.00386	0.00193	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWC-22	0.001	0.0009	0.01	No	23	0.0009264	0.0001583	65.22	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GWB-4R	4.97	3.254	10.85	No	23	4.112	1.641	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-5R	4.072	2.557	10.85	No	23	3.315	1.448	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-6R	5.994	3.579	10.85	No	23	4.787	2.308	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-1	2.302	1.546	10.85	No	23	1.924	0.7225	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-2	1.372	0.7543	10.85	No	23	1.12	0.6395	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-9	3.405	2.108	10.85	No	23	2.853	1.431	0	None	sqrt(x)	0.01	Param.

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	GWC-11	6.346	3.849	10.85	No	23	5.098	2.388	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-12	2.654	1.773	10.85	No	23	2.214	0.8424	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-13	2.001	1.022	10.85	No	23	1.613	1.132	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-14	1.32	0.7515	10.85	No	23	1.036	0.5432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-15	2.037	1.266	10.85	No	23	1.652	0.7369	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-16	3.22	2.142	10.85	No	23	2.681	1.03	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-17	3.488	2.322	10.85	No	23	2.905	1.115	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-20	4.507	2.613	10.85	No	23	3.56	1.811	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-21	3.432	1.802	10.85	No	23	2.617	1.559	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-22	6.854	3.887	10.85	No	23	5.37	2.837	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-23D	2.652	0.9303	10.85	No	10	1.791	0.9651	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-24D	2.888	0.8603	10.85	No	10	1.874	1.136	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-25D	2.122	0.5587	10.85	No	10	1.341	0.8763	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-26D	2.229	0.4217	10.85	No	7	1.325	0.7607	0	None	No	0.01	Param.
Fluoride (mg/L)	GWB-4R	0.2	0.17	4	No	26	0.2158	0.2133	69.23	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-5R	0.1	0.0546	4	No	26	0.08673	0.03592	53.85	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-6R	0.2	0.09	4	No	25	0.1609	0.06761	52	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-1	0.18	0.0596	4	No	25	0.102	0.03436	80	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-2	0.1	0.07	4	No	25	0.1094	0.1097	56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-9	0.1815	0.08692	4	No	25	0.1747	0.199	8	None	ln(x)	0.01	Param.
Fluoride (mg/L)	GWC-12	0.5347	0.2335	4	No	25	0.4281	0.3546	4	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-13	0.1	0.09	4	No	25	0.1094	0.09376	76	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-14	0.13	0.1	4	No	25	0.1512	0.1113	76	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-15	0.13	0.1	4	No	25	0.1224	0.08338	80	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-16	0.11	0.1	4	No	25	0.1571	0.1808	64	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-17	0.9874	0.5197	4	No	25	0.8068	0.5081	4	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-20	0.5	0.269	4	No	25	0.4072	0.1743	76	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-21	0.1	0.071	4	No	25	0.09884	0.0058	96	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-22	0.1	0.1	4	No	25	0.09276	0.0213	68	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-23D	0.08091	0.03477	4	No	11	0.08093	0.03096	45.45	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	MW-24D	0.1	0.037	4	No	11	0.08765	0.03426	63.64	Kaplan-Meier	No	0.006	NP (NDs)
Fluoride (mg/L)	MW-25D	0.1792	0.1032	4	No	11	0.1412	0.04562	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-26D	0.1	0.0444	4	No	8	0.0861	0.02574	75	None	No	0.004	NP (NDs)
Lead (mg/L)	GWB-4R	0.002633	0.0006847	0.015	No	26	0.002961	0.002464	42.31	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	GWB-5R	0.002	0.0003	0.015	No	27	0.001339	0.0008558	51.85	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWB-6R	0.002	0.0003	0.015	No	27	0.001314	0.000864	59.26	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-1	0.002	0.00012	0.015	No	27	0.001717	0.0006913	85.19	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-2	0.002	0.0003	0.015	No	27	0.001588	0.0007861	77.78	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-9	0.002	0.0002	0.015	No	27	0.001393	0.0008818	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-11	0.002	0.00028	0.015	No	27	0.0009707	0.0008723	40.74	None	No	0.01	NP (normality)
Lead (mg/L)	GWC-12	0.002	0.0001	0.015	No	27	0.001219	0.001033	51.85	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-13	0.002	0.0002	0.015	No	27	0.001244	0.0008499	51.85	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-14	0.002	0.00051	0.015	No	28	0.001743	0.0006461	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-15	0.002	0.0002	0.015	No	27	0.001316	0.000911	62.96	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-16	0.002	0.00017	0.015	No	28	0.001202	0.0009387	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-17	0.002	0.00019	0.015	No	27	0.001471	0.0008429	70.37	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-20	0.002	0.0002	0.015	No	27	0.001652	0.0007434	81.48	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-21	0.002	0.00018	0.015	No	27	0.001445	0.0008725	70.37	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-22	0.002	0.00032	0.015	No	27	0.001103	0.0008374	33.33	None	No	0.01	NP (normality)
Lead (mg/L)	MW-23D	0.002	0.002	0.015	No	10	0.001806	0.0006144	90	None	No	0.011	NP (NDs)
Lead (mg/L)	MW-24D	0.002	0.002	0.015	No	10	0.001809	0.0006027	90	None	No	0.011	NP (NDs)
Lead (mg/L)	MW-25D	0.002	0.002	0.015	No	10	0.00181	0.0006024	90	None	No	0.011	NP (NDs)
Lead (mg/L)	MW-26D	0.002	0.00015	0.015	No	7	0.001736	0.0006992	85.71	None	No	0.008	NP (NDs)
Lithium (mg/L)	GWB-4R	0.01613	0.009214	0.04	No	23	0.01267	0.006615	0	None	No	0.01	Param.
Lithium (mg/L)	GWB-5R	0.01	0.005	0.04	No	23	0.008113	0.002971	69.57	None	No	0.01	NP (NDs)

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	GWC-9	0.01	0.0018	0.04	No	22	0.004482	0.003862	31.82	None	No	0.01	NP (normality)
Lithium (mg/L)	GWC-12	0.01	0.00095	0.04	No	23	0.006078	0.004573	56.52	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-13	0.01	0.00087	0.04	No	23	0.009202	0.002645	91.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-17	0.006336	0.005085	0.04	No	23	0.00571	0.001195	0	None	No	0.01	Param.
Mercury (mg/L)	GWB-4R	0.000287	0.0001	0.002	No	20	0.0002061	0.00008013	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-5R	0.0002	0.000135	0.002	No	21	0.0001868	0.00003414	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-6R	0.0002	0.0001	0.002	No	20	0.0001871	0.00004062	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-1	0.000274	0.0001	0.002	No	20	0.0001907	0.00004551	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-2	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-9	0.0002	0.00011	0.002	No	20	0.0001827	0.00004333	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-11	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-12	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-13	0.0002	0.00013	0.002	No	20	0.0001915	0.00002661	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-14	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-15	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-16	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-17	0.000349	0.000172	0.002	No	20	0.0002015	0.00004042	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-20	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-21	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-22	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-23D	0.0002	0.00011	0.002	No	9	0.00019	0.00003	88.89	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-24D	0.000222	0.0001	0.002	No	9	0.0001913	0.00003501	77.78	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-25D	0.000333	0.0001	0.002	No	9	0.0002037	0.0000587	77.78	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-26D	0.0002	0.0001	0.002	No	6	0.0001833	0.00004082	83.33	None	No	0.0155	NP (NDs)
Molybdenum (mg/L)	**GWB-4R**	**0.1565**	**0.1124**	**0.1**	**Yes**	**12**	**0.1344**	**0.02812**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWB-5R	0.0012	0.00069	0.1	No	23	0.0009597	0.0003201	73.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWB-6R	0.01	0.000649	0.1	No	23	0.005235	0.004685	47.83	None	No	0.01	NP (normality)
Molybdenum (mg/L)	GWC-1	0.1079	0.04921	0.1	No	24	0.08614	0.06368	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	GWC-2	0.001	0.000312	0.1	No	24	0.0009713	0.0001404	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-11	0.01	0.000613	0.1	No	23	0.006371	0.004635	60.87	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-12	0.001	0.000205	0.1	No	23	0.0009654	0.0001658	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-13	0.0056	0.001	0.1	No	23	0.0012	0.0009592	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-14	0.01637	0.007243	0.1	No	23	0.01181	0.008725	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-15	0.1013	0.07762	0.1	No	23	0.08947	0.02266	0	None	No	0.01	Param.
Molybdenum (mg/L)	**GWC-16**	**0.1832**	**0.1175**	**0.1**	**Yes**	**23**	**0.1504**	**0.06279**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-17	0.01	0.00353	0.1	No	23	0.00581	0.003251	34.78	None	No	0.01	NP (normality)
Molybdenum (mg/L)	**GWC-20**	**0.4691**	**0.2051**	**0.1**	**Yes**	**23**	**0.3371**	**0.2523**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-21	0.05212	0.02543	0.1	No	23	0.03877	0.02552	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-22	0.00364	0.000334	0.1	No	23	0.001086	0.0005738	91.3	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-23D	0.001	0.001	0.1	No	11	0.0009462	0.0001785	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-24D	0.002318	0.0008073	0.1	No	11	0.001593	0.001007	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-25D	0.0011	0.000863	0.1	No	11	0.0009745	0.000287	63.64	None	No	0.006	NP (NDs)
Selenium (mg/L)	GWB-4R	0.003862	0.002846	0.05	No	27	0.003991	0.001199	33.33	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	GWB-5R	0.005	0.00485	0.05	No	27	0.004713	0.001164	74.07	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	GWB-6R	0.01	0.00223	0.05	No	27	0.005945	0.003843	44.44	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-1	0.00252	0.0018	0.05	No	27	0.003117	0.004107	7.407	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-2	0.005	0.0035	0.05	No	27	0.004833	0.0006355	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-11	0.006514	0.003425	0.05	No	27	0.006101	0.005491	14.81	None	ln(x)	0.01	Param.
Selenium (mg/L)	GWC-12	0.005	0.003	0.05	No	27	0.004607	0.0009747	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-14	0.004259	0.003156	0.05	No	28	0.003707	0.00118	3.571	None	No	0.01	Param.
Selenium (mg/L)	GWC-15	0.004417	0.002297	0.05	No	27	0.004928	0.00262	48.15	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	GWC-16	0.004746	0.003124	0.05	No	28	0.003935	0.001735	10.71	None	No	0.01	Param.
Selenium (mg/L)	GWC-17	0.005	0.0018	0.05	No	27	0.003799	0.001682	62.96	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-20	0.005	0.00209	0.05	No	27	0.003995	0.001559	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-21	0.01569	0.008228	0.05	No	27	0.01293	0.00843	0	None	sqrt(x)	0.01	Param.

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-22	0.005	0.0023	0.05	No	27	0.004515	0.001205	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-4R	0.002	0.00007	0.002	No	23	0.001832	0.000556	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-5R	0.002	0.00031	0.002	No	23	0.001842	0.0005247	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-1	0.002	0.000054	0.002	No	24	0.001757	0.0006579	87.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-2	0.002	0.00011	0.002	No	24	0.001921	0.0003858	95.83	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-11	0.002	0.00019	0.002	No	23	0.001353	0.0009066	65.22	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-12	0.002	0.0002	0.002	No	23	0.001369	0.0008845	65.22	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-14	0.002	0.00007	0.002	No	23	0.001832	0.0005575	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-16	0.002	0.00006	0.002	No	23	0.001831	0.0005604	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-17	0.002	0.0001	0.002	No	23	0.0015	0.0008607	73.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-21	0.002	0.00005	0.002	No	23	0.001915	0.0004066	95.65	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-22	0.002	0.00017	0.002	No	23	0.001586	0.0008031	78.26	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWB-4R	0.02626	0.01039	0.24	No	22	0.01832	0.01478	4.545	None	No	0.01	Param.
Vanadium (mg/L)	GWB-5R	0.01291	0.005419	0.24	No	22	0.0121	0.01342	4.545	None	ln(x)	0.01	Param.
Vanadium (mg/L)	GWB-6R	0.02736	0.01114	0.24	No	22	0.02236	0.02113	0	None	x^(1/3)	0.01	Param.
Vanadium (mg/L)	GWC-1	0.00637	0.003686	0.24	No	22	0.008279	0.006142	18.18	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-2	0.02	0.00777	0.24	No	22	0.01728	0.005975	81.82	Kaplan-Meier	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-9	0.02	0.0103	0.24	No	22	0.01645	0.006883	77.27	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-11	0.00641	0.0023	0.24	No	22	0.006257	0.006761	18.18	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-12	0.007049	0.004559	0.24	No	22	0.005804	0.002319	9.091	None	No	0.01	Param.
Vanadium (mg/L)	GWC-13	0.02	0.00361	0.24	No	22	0.01397	0.008205	59.09	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-14	0.01293	0.006592	0.24	No	25	0.01052	0.007059	12	None	sqrt(x)	0.01	Param.
Vanadium (mg/L)	GWC-15	0.003598	0.002339	0.24	No	24	0.004904	0.003198	25	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-16	0.00575	0.0028	0.24	No	25	0.01114	0.01735	16	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-17	0.02	0.0031	0.24	No	22	0.01065	0.008167	40.91	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-20	0.00768	0.0028	0.24	No	24	0.005426	0.002908	20.83	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-21	0.005342	0.003174	0.24	No	22	0.005542	0.00293	18.18	Kaplan-Meier	sqrt(x)	0.01	Param.
Vanadium (mg/L)	GWC-22	0.02	0.00394	0.24	No	22	0.01381	0.009688	54.55	None	No	0.01	NP (NDs)
Vanadium (mg/L)	MW-24D	0.02	0.02	0.24	No	10	0.01841	0.005015	90	None	No	0.011	NP (NDs)
Vanadium (mg/L)	MW-25D	0.02	0.02	0.24	No	10	0.01824	0.005566	90	None	No	0.011	NP (NDs)
Zinc (mg/L)	GWB-4R	0.008105	0.004887	0.16	No	22	0.01182	0.006757	36.36	Kaplan-Meier	ln(x)	0.01	Param.
Zinc (mg/L)	GWB-5R	0.02	0.0081	0.16	No	22	0.017	0.006607	81.82	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWB-6R	0.01303	0.004145	0.16	No	22	0.0128	0.00964	40.91	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	GWC-1	0.02	0.00917	0.16	No	22	0.01539	0.007103	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-2	0.02	0.0125	0.16	No	22	0.0175	0.0112	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-9	0.02	0.0033	0.16	No	22	0.01234	0.00839	40.91	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-11	0.02	0.0061	0.16	No	22	0.01645	0.008947	68.18	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-12	0.02	0.0026	0.16	No	22	0.01069	0.008728	36.36	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-13	0.02838	0.01176	0.16	No	22	0.02007	0.01548	0	None	No	0.01	Param.
Zinc (mg/L)	GWC-14	0.02	0.01	0.16	No	25	0.01758	0.005799	84	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-15	0.032	0.0051	0.16	No	24	0.01921	0.005144	87.5	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-16	0.02	0.01	0.16	No	25	0.01515	0.007527	68	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-17	0.0107	0.006724	0.16	No	22	0.008714	0.003707	9.091	None	No	0.01	Param.
Zinc (mg/L)	GWC-20	0.02	0.0171	0.16	No	24	0.01842	0.005816	79.17	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-21	0.02	0.0096	0.16	No	22	0.01591	0.007076	72.73	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-22	0.02	0.006	0.16	No	22	0.01401	0.007038	50	None	No	0.01	NP (normality)
Zinc (mg/L)	MW-23D	0.02	0.00452	0.16	No	10	0.01378	0.006993	50	None	No	0.011	NP (normality)
Zinc (mg/L)	MW-24D	0.02	0.0102	0.16	No	10	0.01727	0.006035	80	None	No	0.011	NP (NDs)
Zinc (mg/L)	MW-25D	0.02282	0.005571	0.16	No	10	0.01931	0.01243	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	MW-26D	0.03081	0.004533	0.16	No	7	0.01824	0.01144	28.57	Kaplan-Meier	No	0.01	Param.

Appendix II & IV Trend Tests - Confidence Interval Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 5:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007166**	**-116**	**-96**	**Yes**	**27**	**22.22**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-15**	**0.02984**	**263**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008023**	**211**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0003744**	**-111**	**-71**	**Yes**	**22**	**18.18**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001553**	**-86**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.002184**	**93**	**76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01325**	**107**	**76**	**Yes**	**23**	**0**	**n/a**	**0.05**	**NP**

Appendix II & IV Trend Tests - Confidence Interval Exceedances - All Results

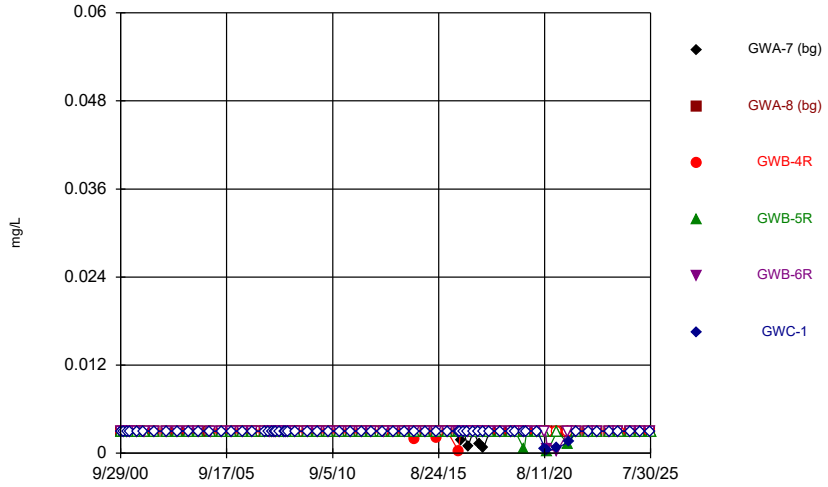
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 5:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007166**	**-116**	**-96**	**Yes**	**27**	**22.22**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWA-8 (bg)	0	29	101	No	28	71.43	n/a	0.05	NP
Arsenic (mg/L)	**GWC-15**	**0.02984**	**263**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008023**	**211**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWC-20	0.001994	13	96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0003744**	**-111**	**-71**	**Yes**	**22**	**18.18**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001553**	**-86**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.002184**	**93**	**76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWA-8 (bg)	0	0	76	No	23	100	n/a	0.05	NP
Molybdenum (mg/L)	**GWB-4R**	**0.01325**	**107**	**76**	**Yes**	**23**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWC-16	-0.001507	-10	-76	No	23	0	n/a	0.05	NP
Molybdenum (mg/L)	GWC-20	0.04492	71	76	No	23	0	n/a	0.05	NP

FIGURE A.

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Hollow symbols indicate censored values.

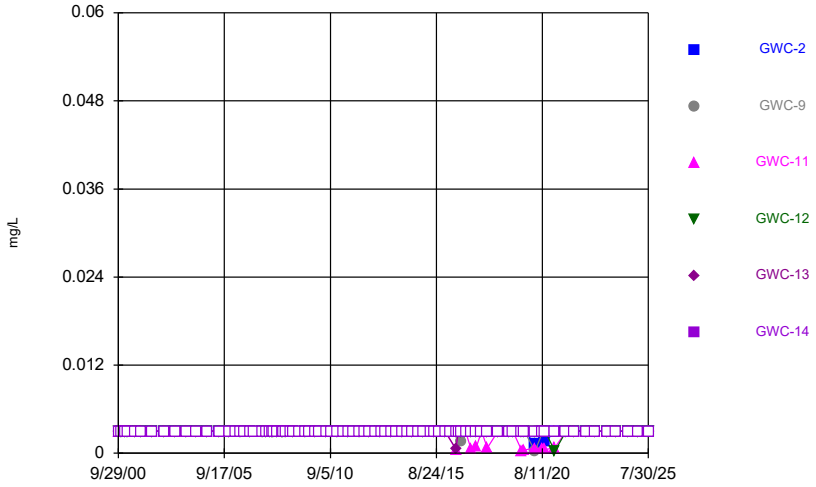
Time Series



Constituent: Antimony Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

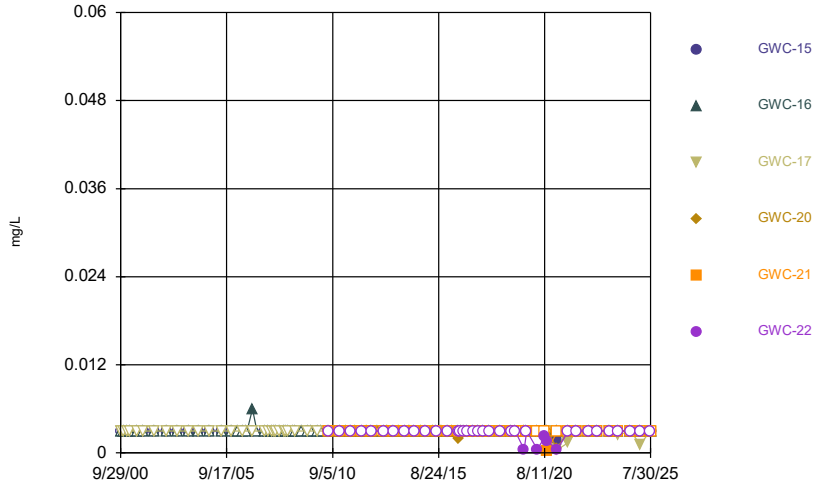
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Constituent: Antimony Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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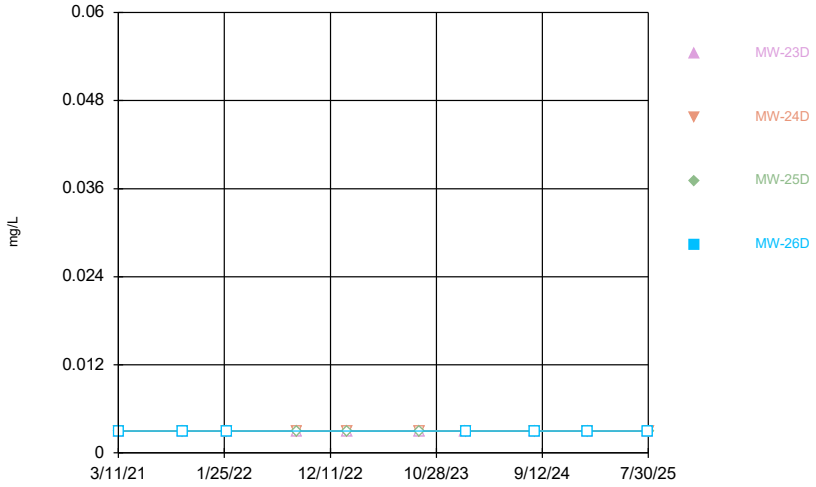
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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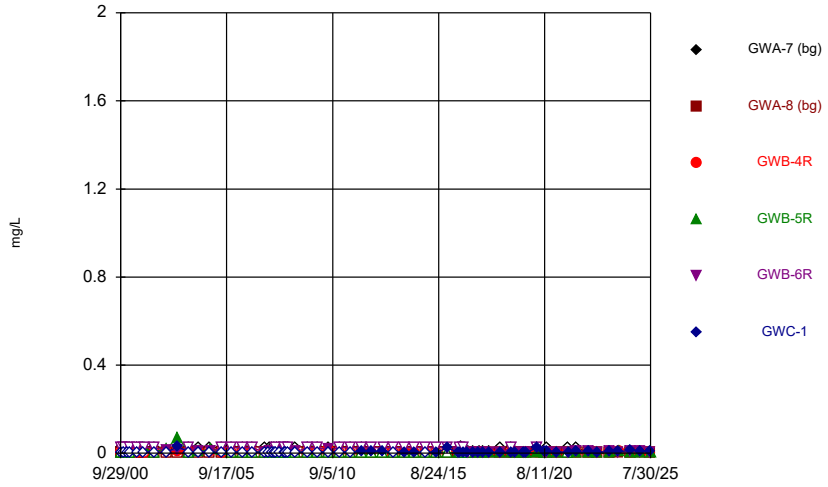
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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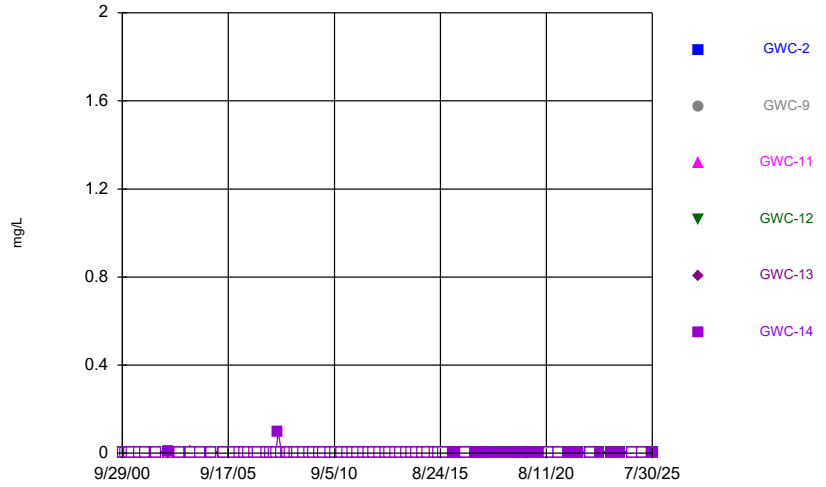
Time Series



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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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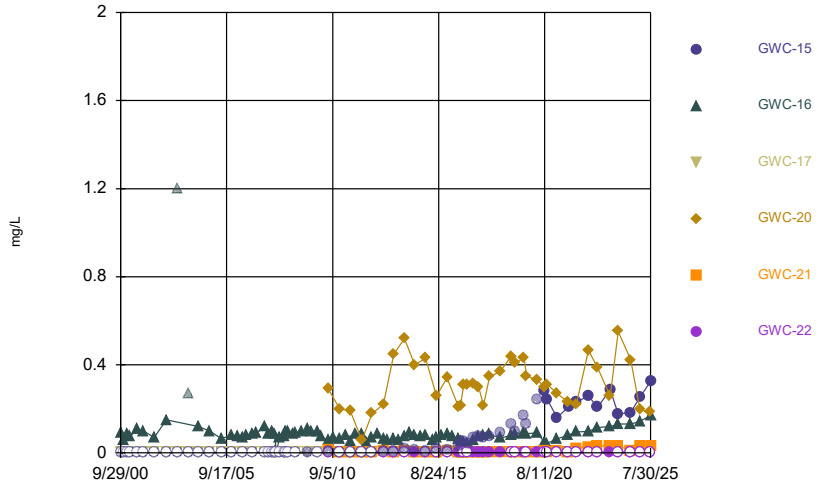
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Constituent: Arsenic Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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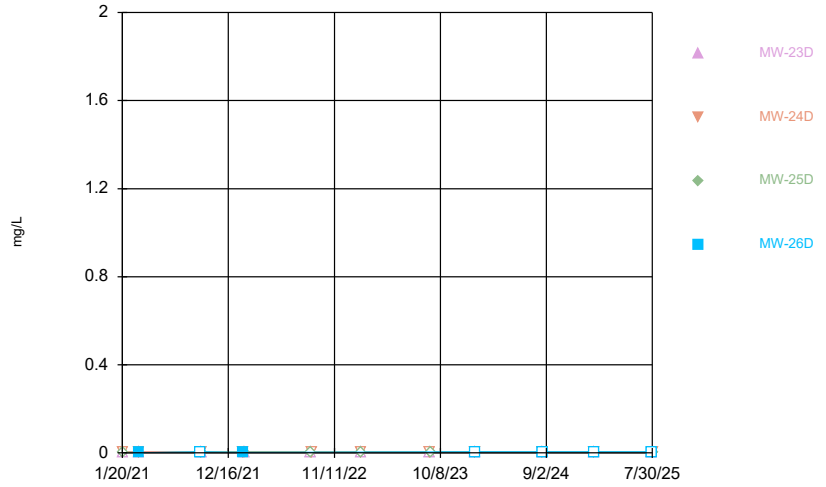
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Constituent: Arsenic Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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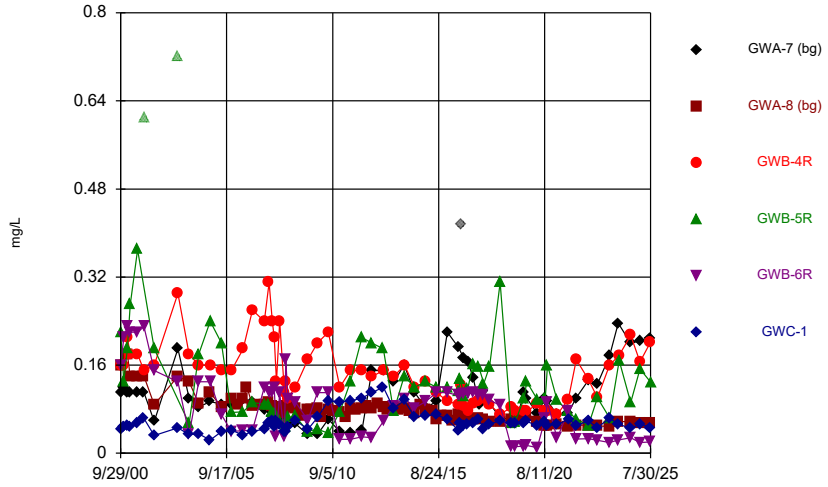
Time Series



Constituent: Arsenic Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series



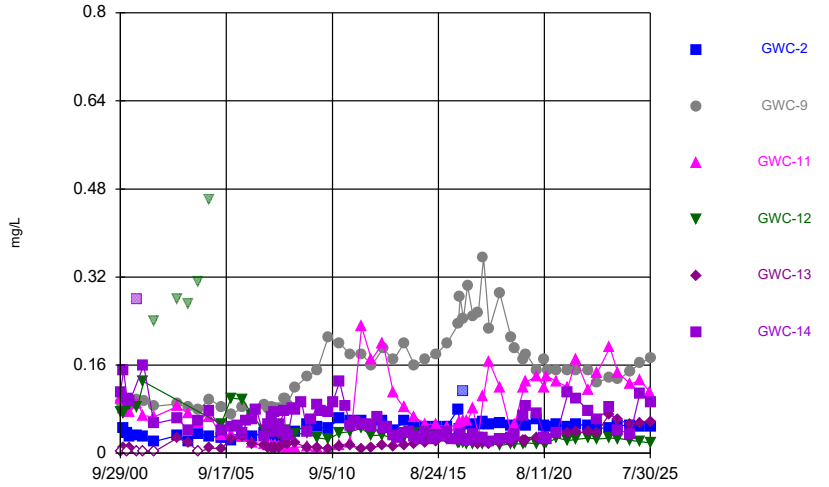
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series

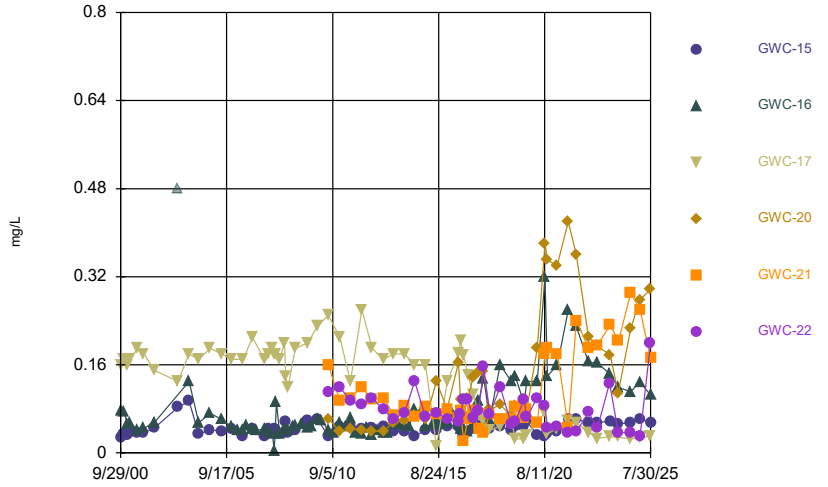


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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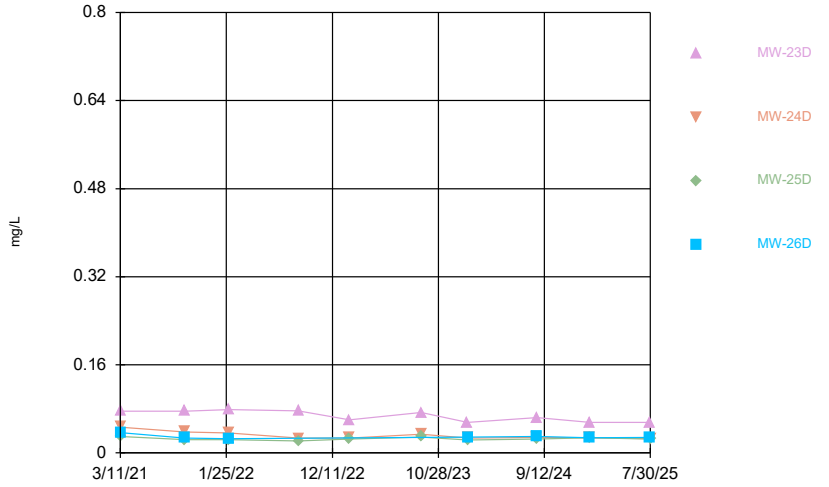


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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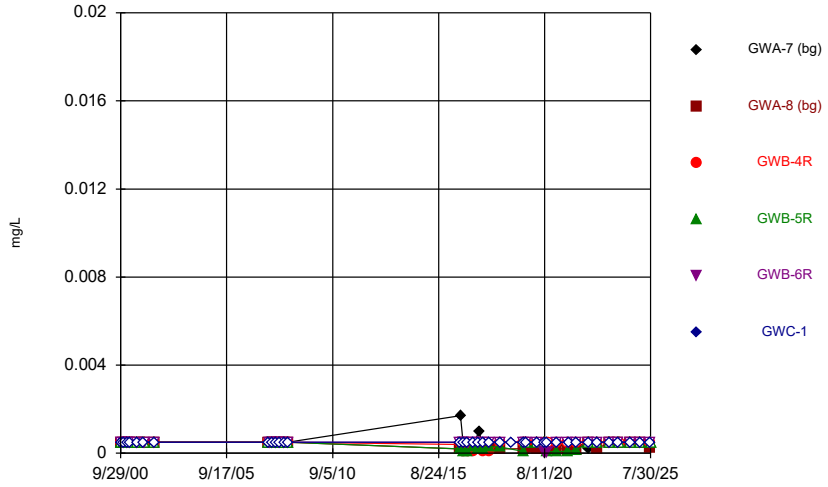


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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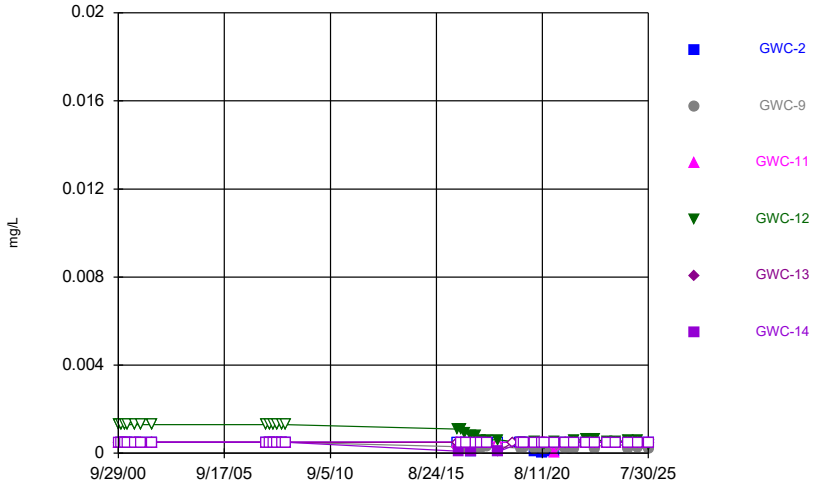
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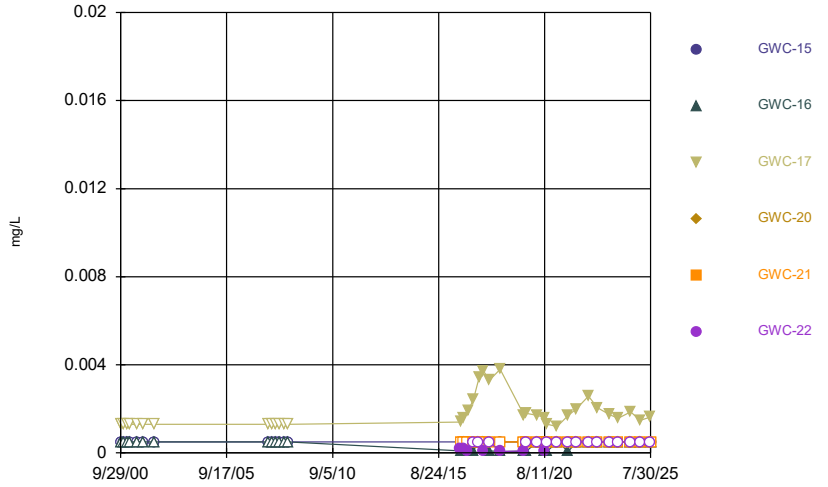
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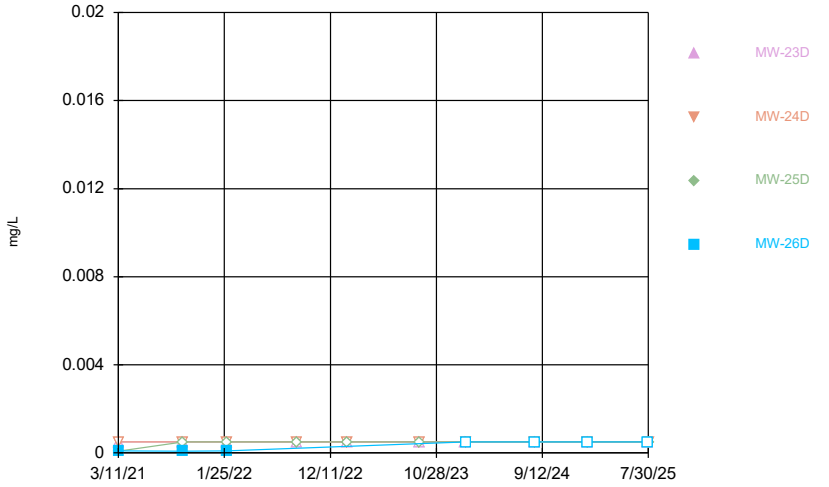
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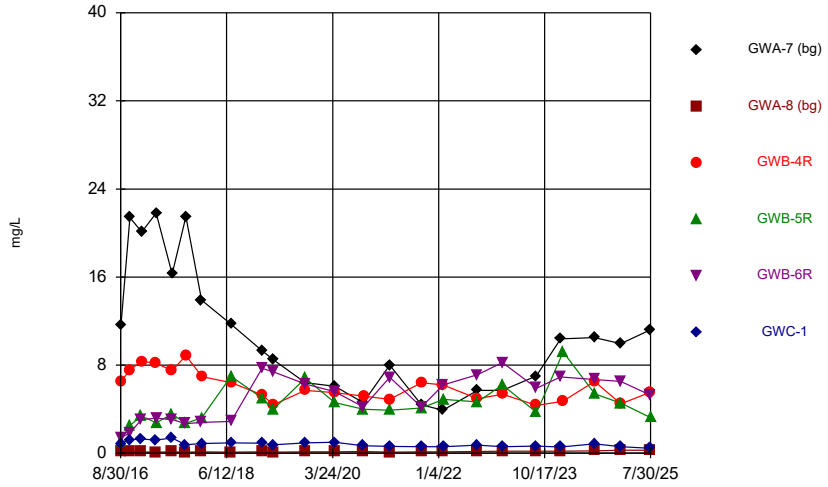
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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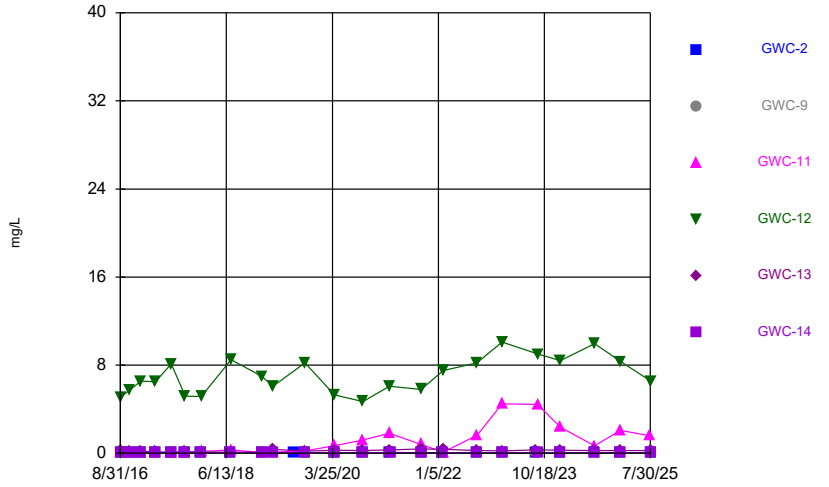


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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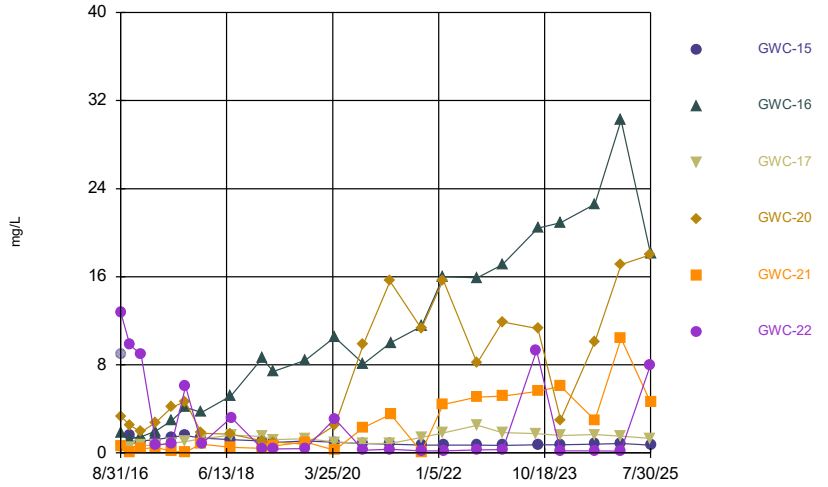


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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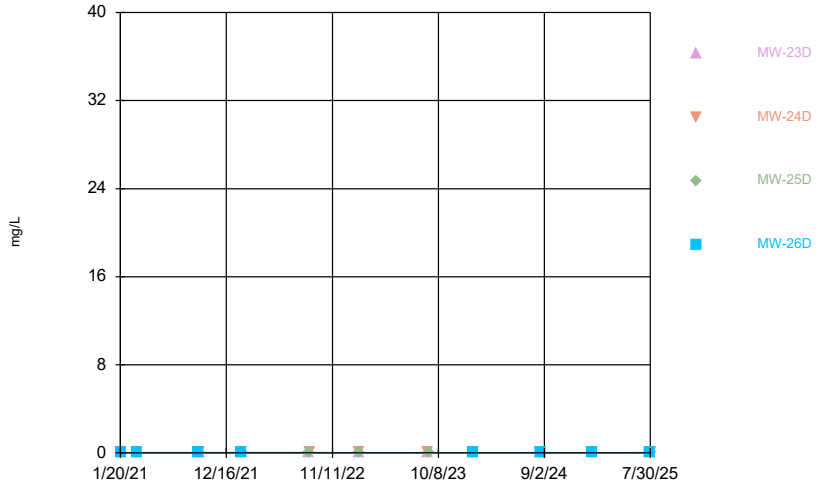


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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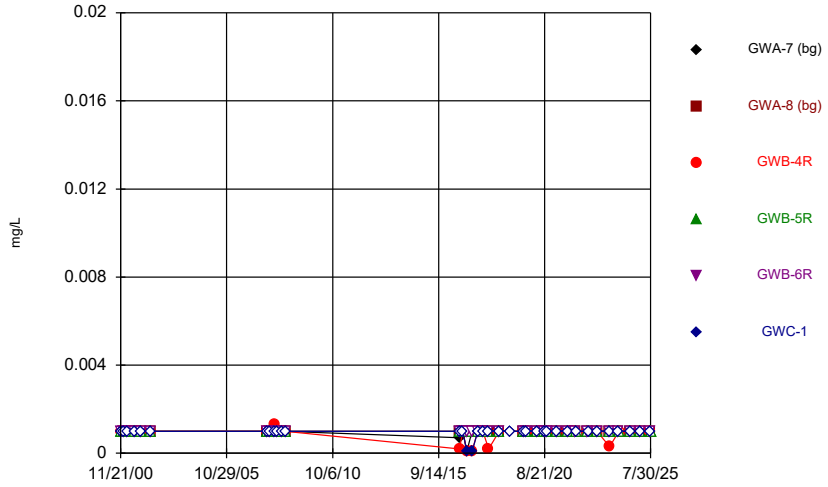


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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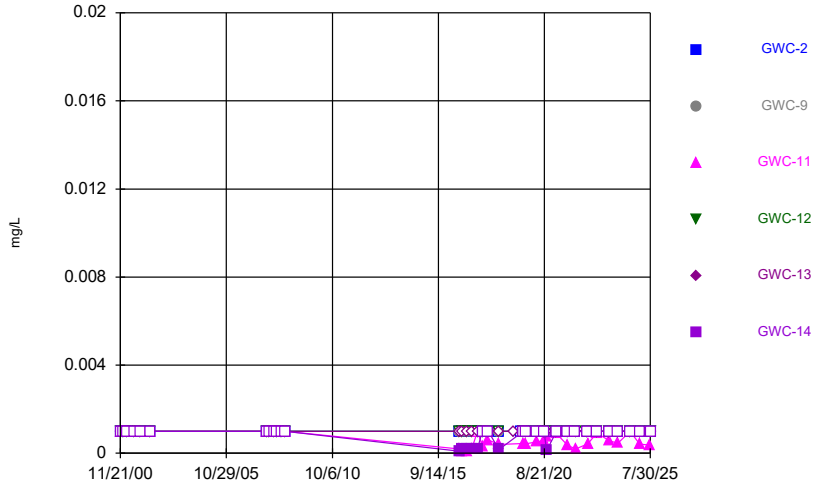
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Constituent: Cadmium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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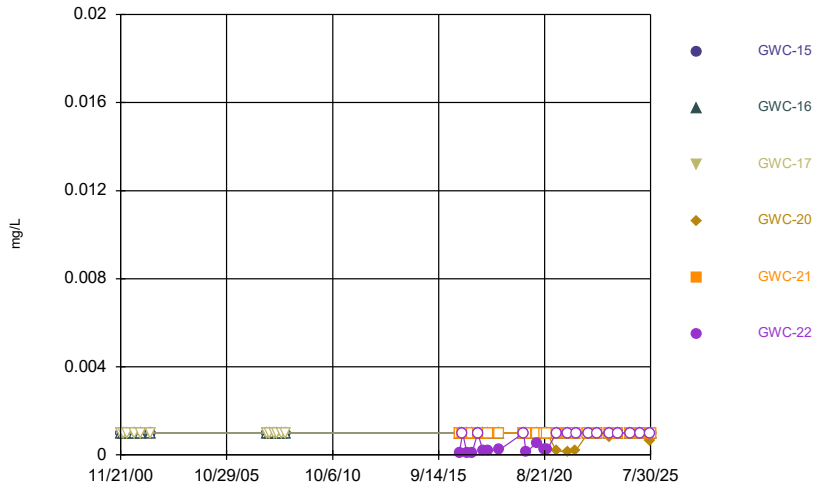
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Constituent: Cadmium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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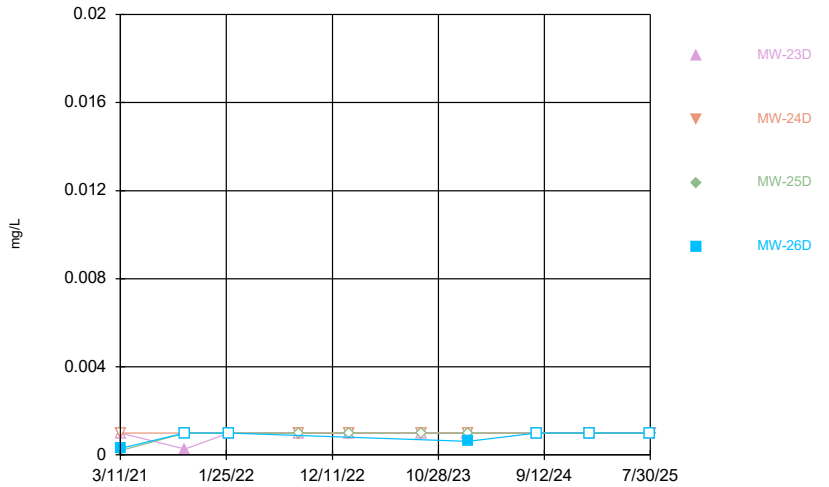
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Constituent: Cadmium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

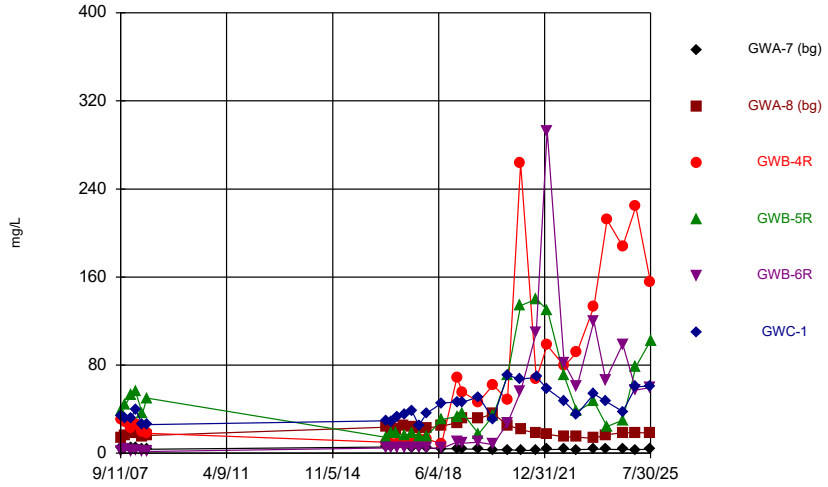
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Constituent: Cadmium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

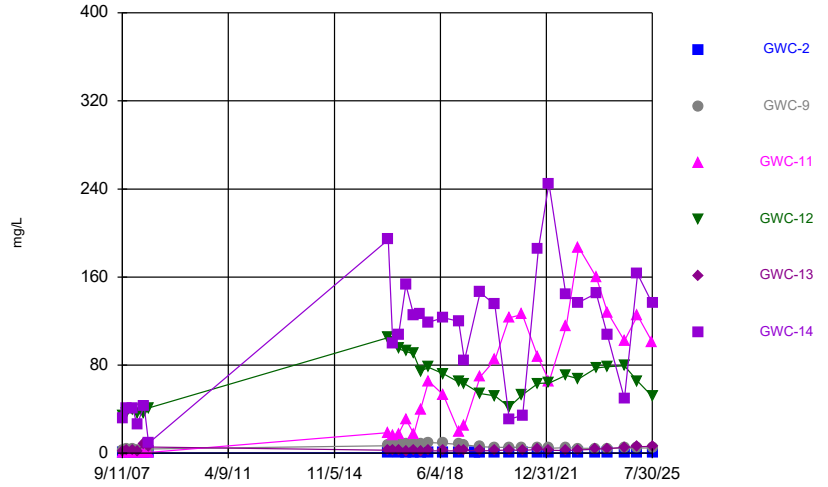


Constituent: Calcium Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

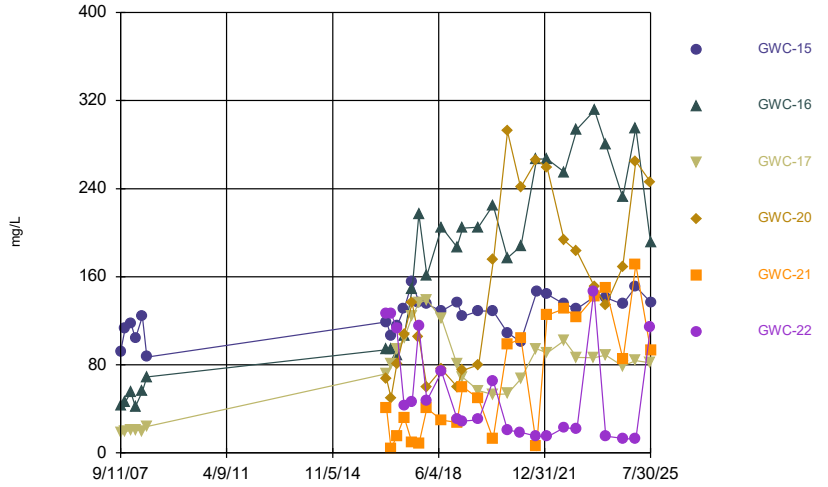


Constituent: Calcium Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

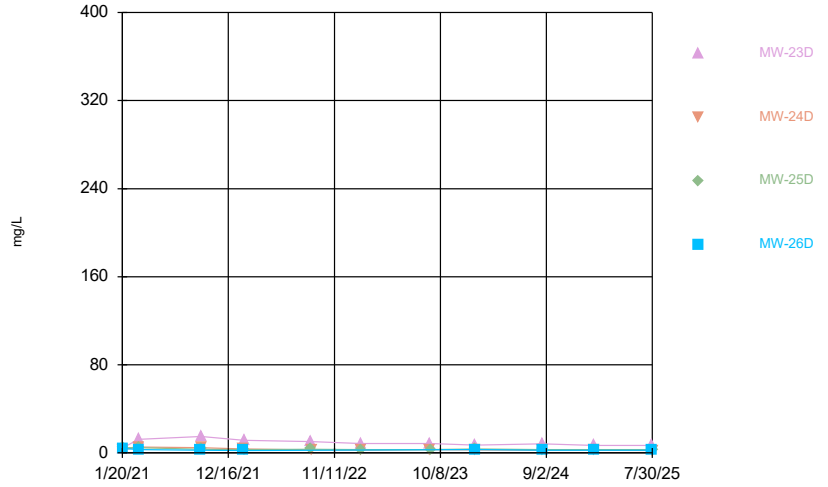


Constituent: Calcium Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

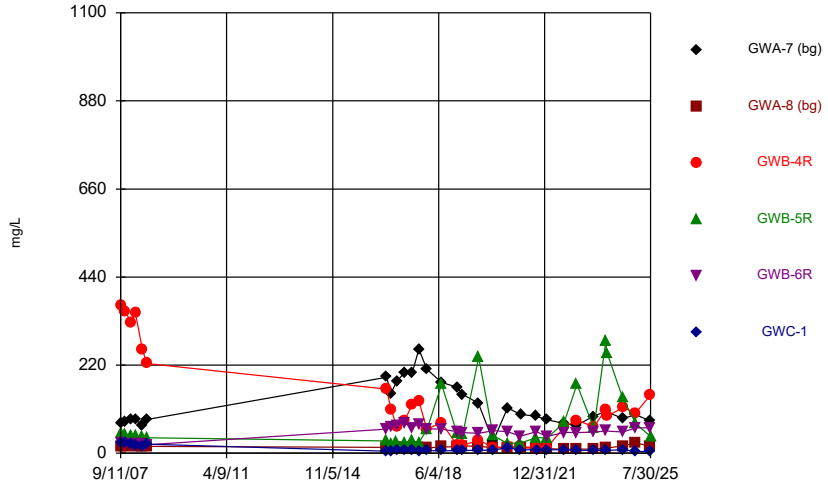


Constituent: Calcium Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

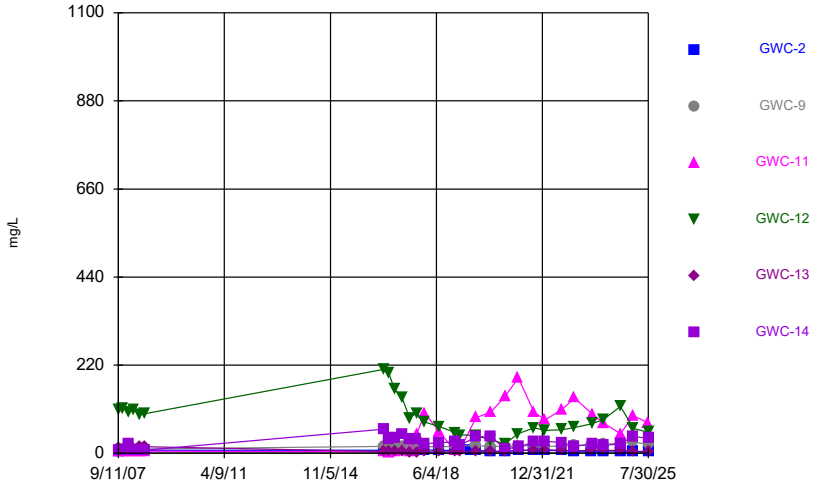


Constituent: Chloride Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

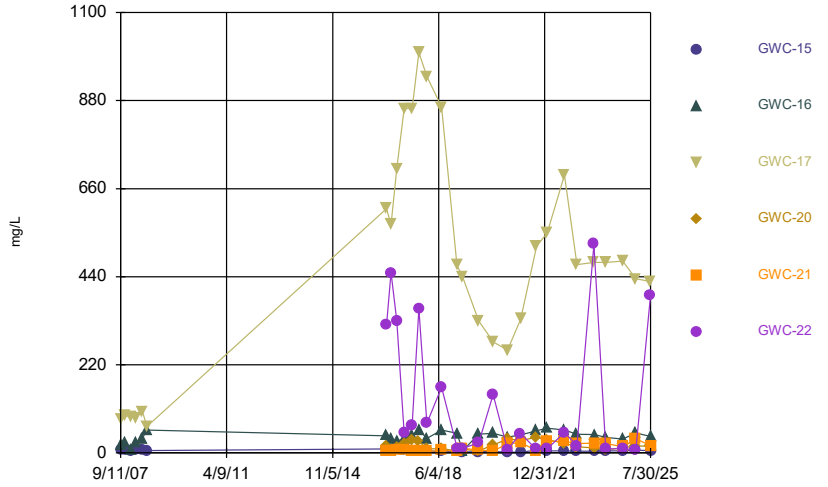


Constituent: Chloride Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

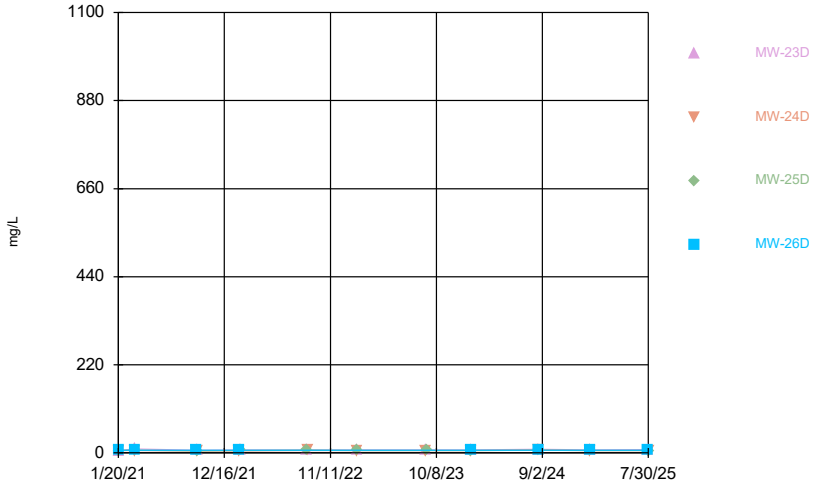


Constituent: Chloride Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

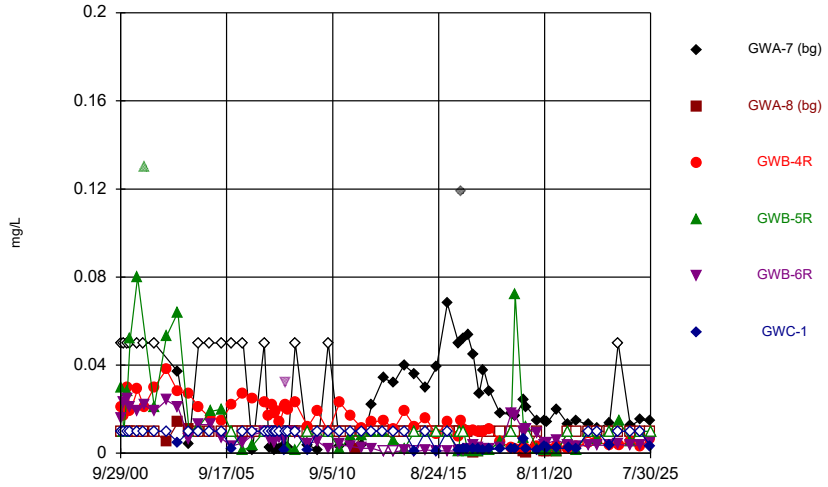


Constituent: Chloride Analysis Run 10/1/2025 11:47 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

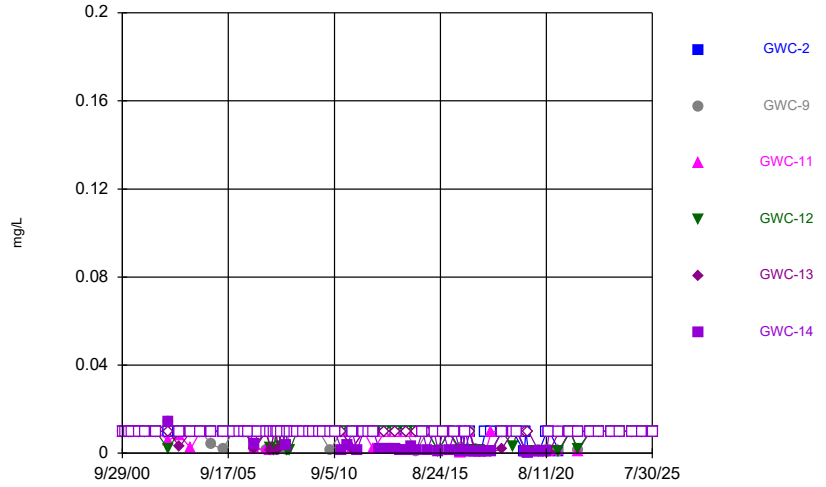
Time Series



Constituent: Chromium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

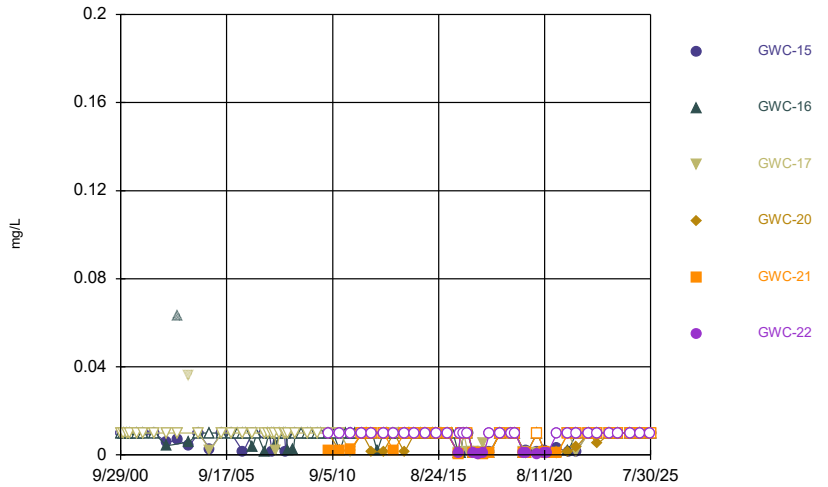
Time Series



Constituent: Chromium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

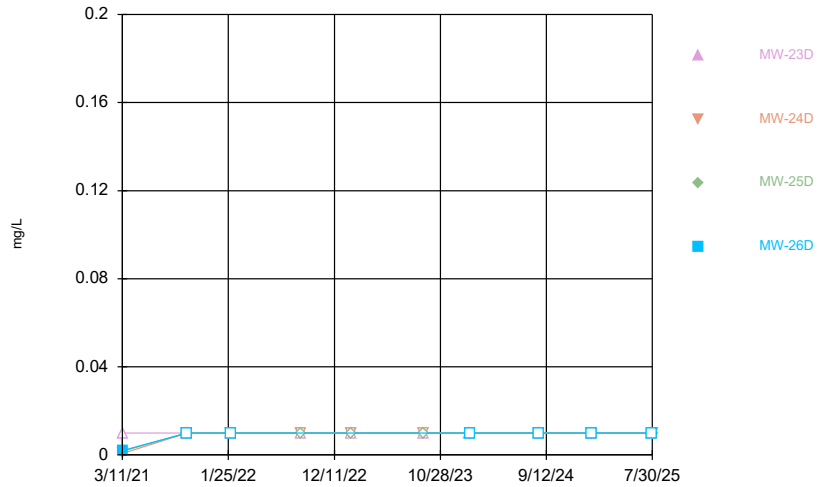
Time Series



Constituent: Chromium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

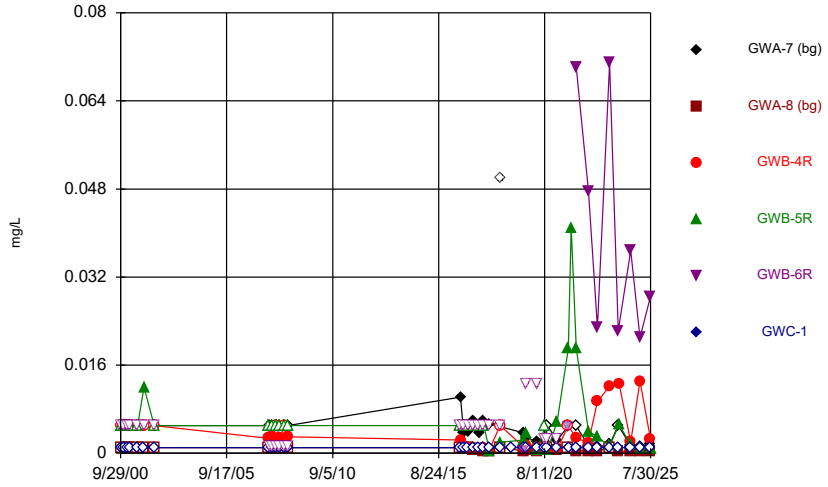
Time Series



Constituent: Chromium Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

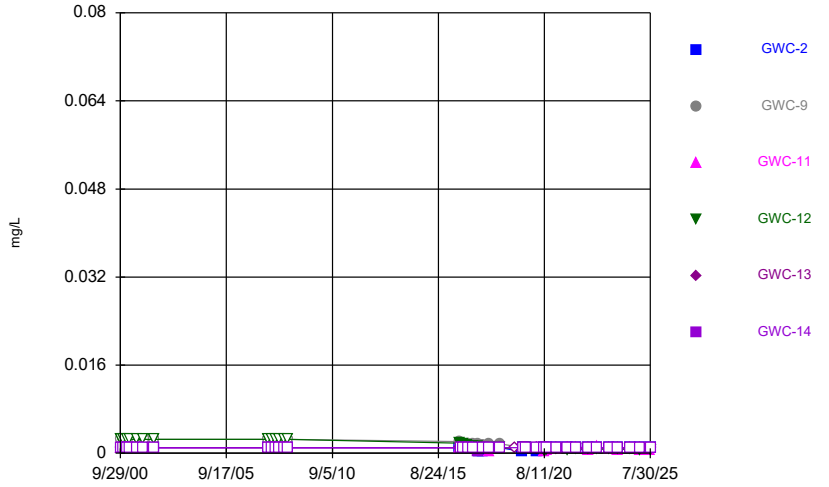
Time Series



Constituent: Cobalt Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

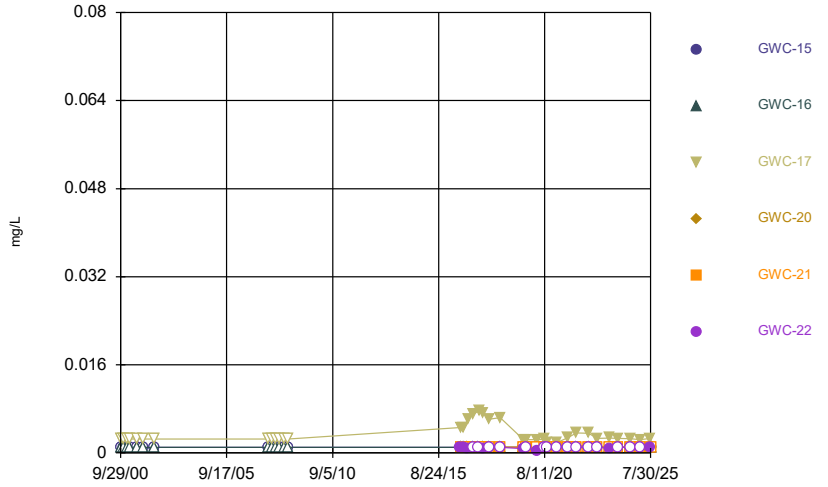
Time Series



Constituent: Cobalt Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

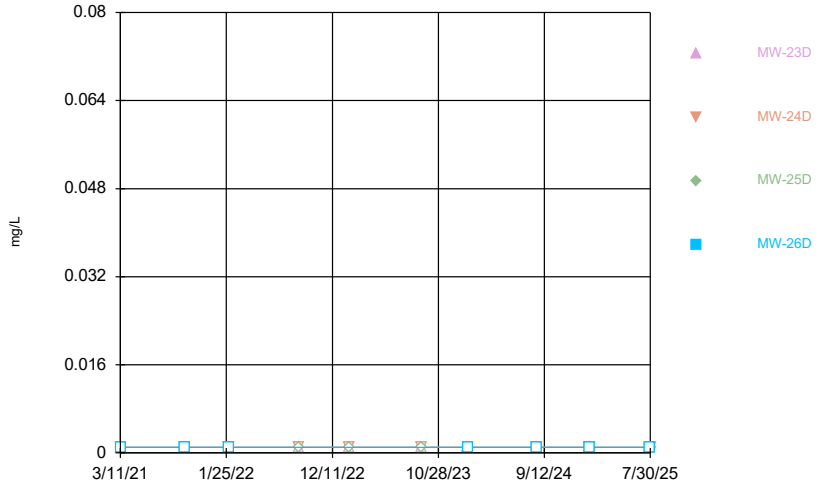
Time Series



Constituent: Cobalt Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

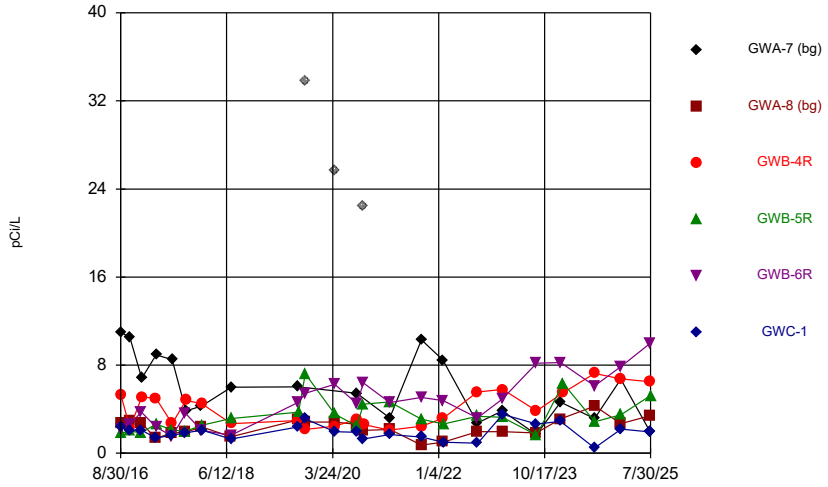
Time Series



Constituent: Cobalt Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

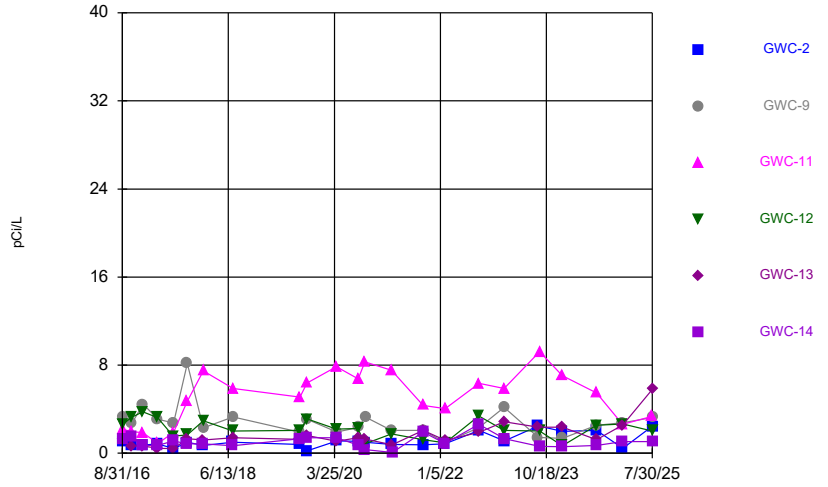
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

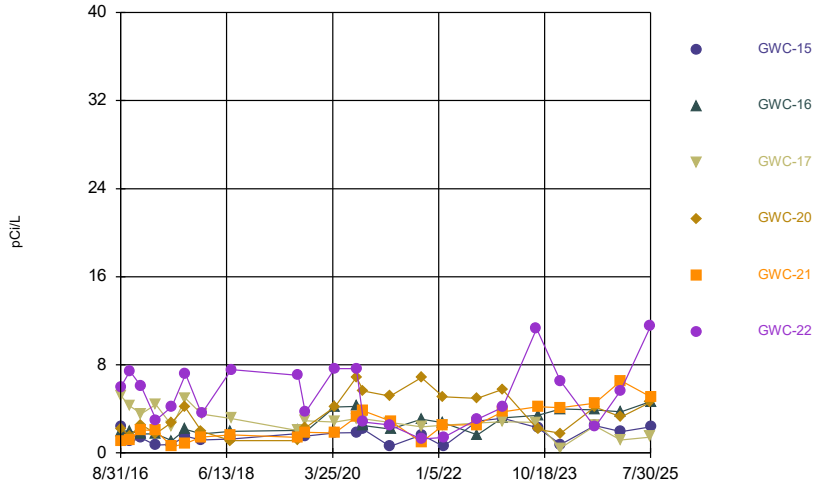
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

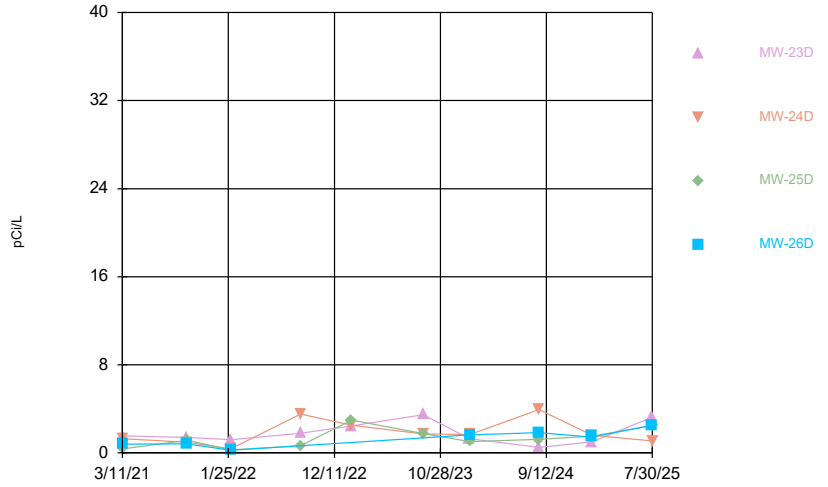
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

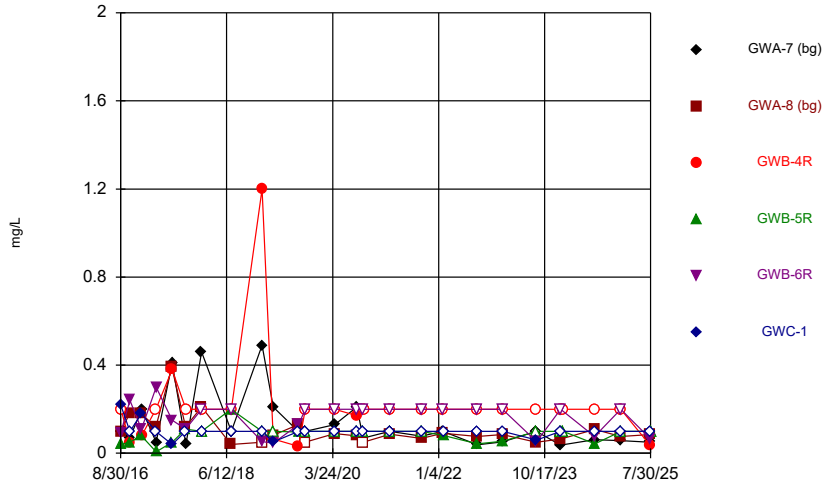
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

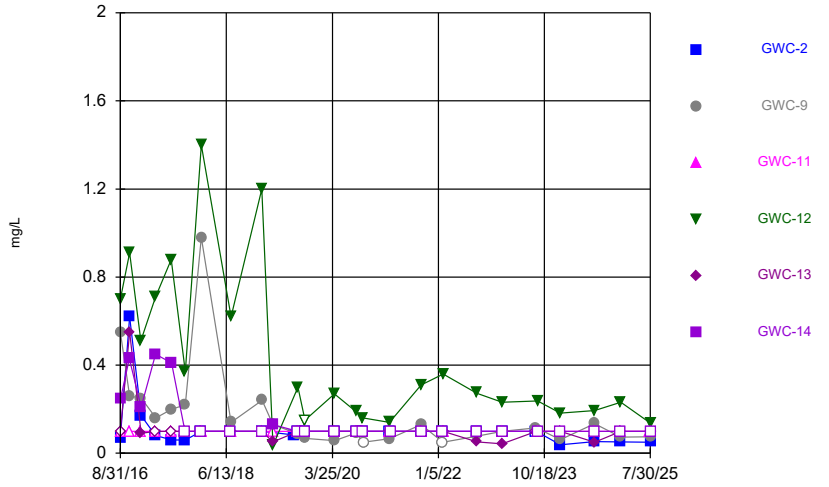
Time Series



Constituent: Fluoride Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

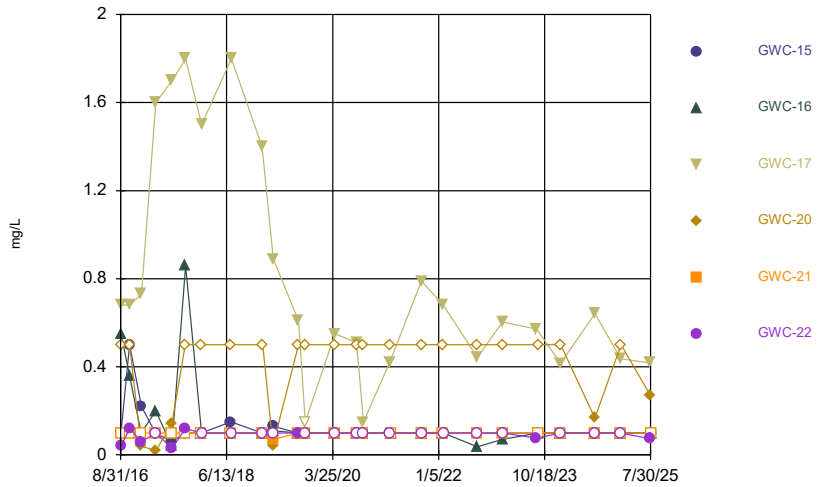
Time Series



Constituent: Fluoride Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

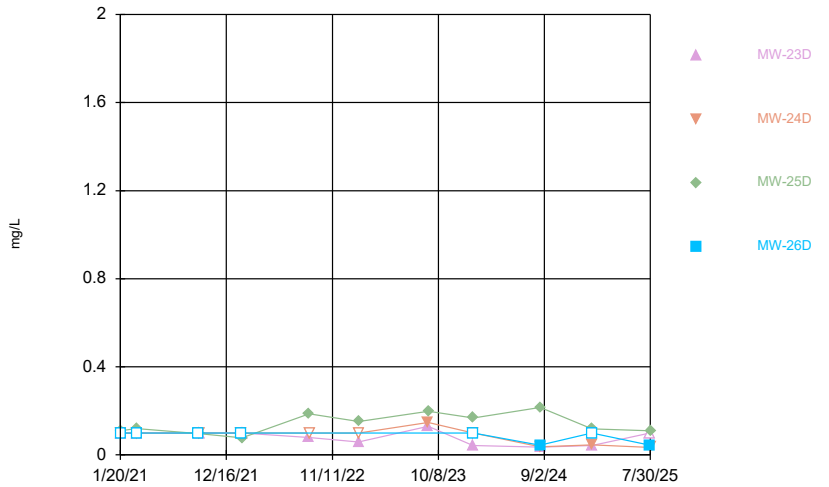
Time Series



Constituent: Fluoride Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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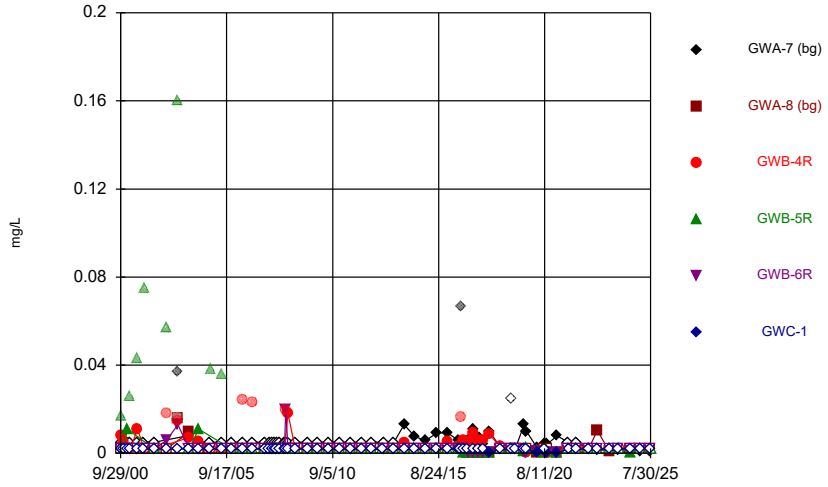
Time Series



Constituent: Fluoride Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

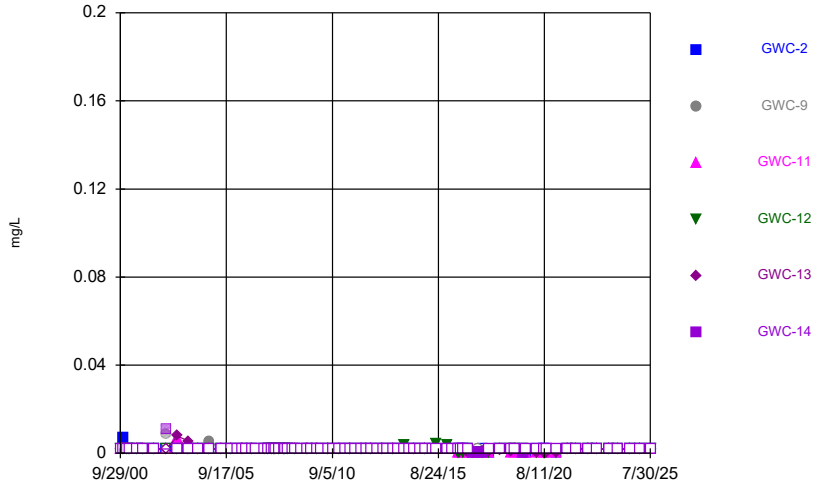
Time Series



Constituent: Lead Analysis Run 10/1/2025 11:47 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

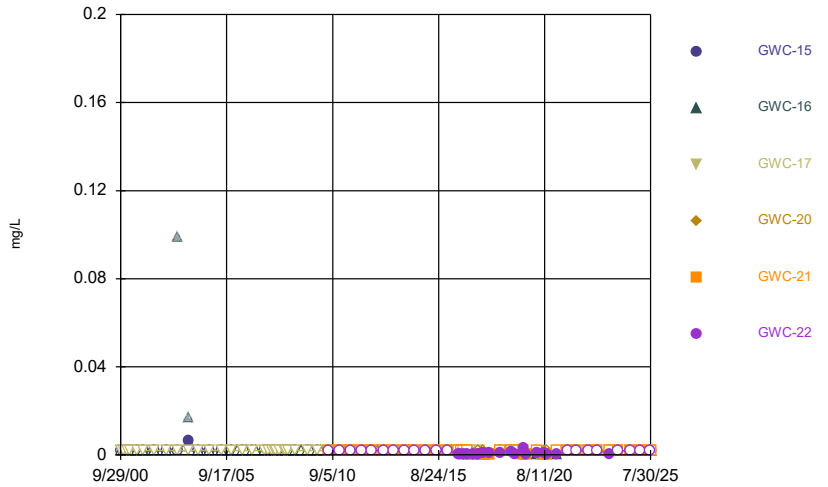
Time Series



Constituent: Lead Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

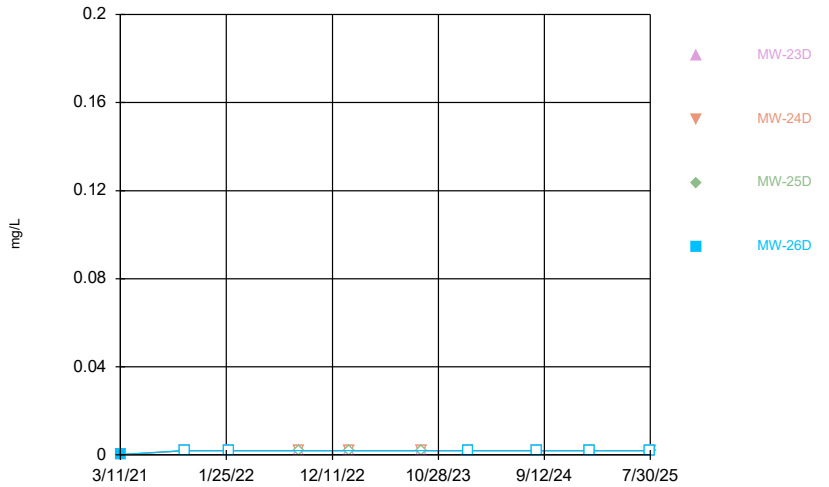
Time Series



Constituent: Lead Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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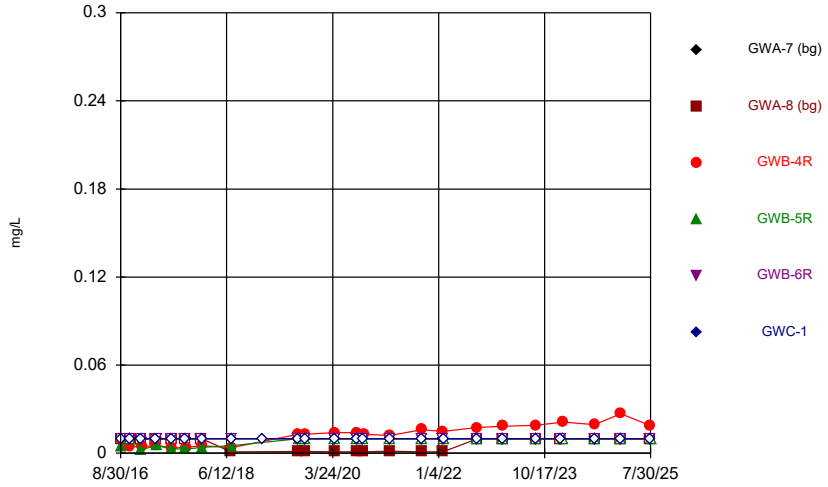
Time Series



Constituent: Lead Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

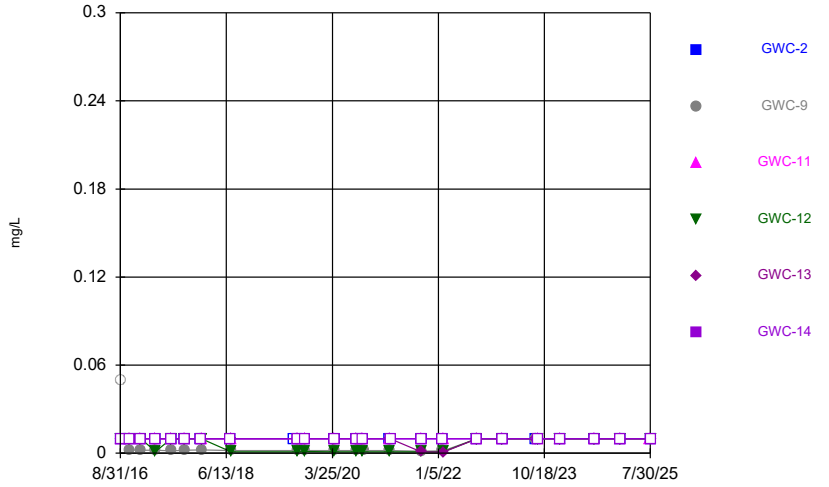
Time Series



Constituent: Lithium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

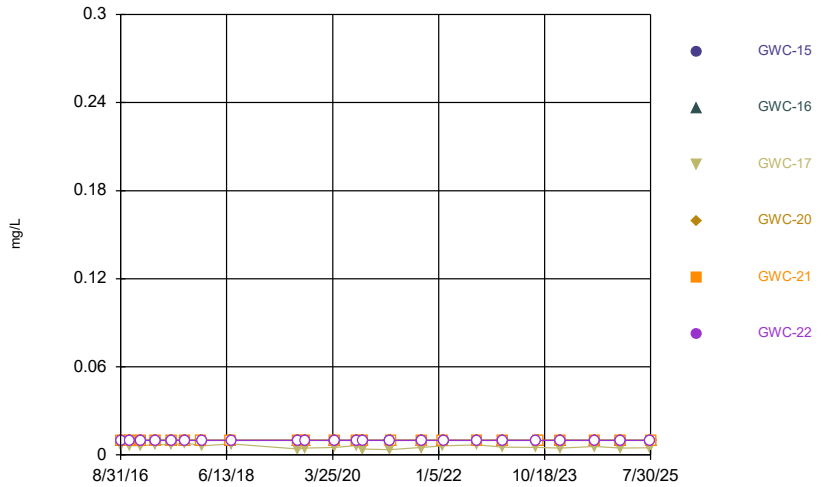
Time Series



Constituent: Lithium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

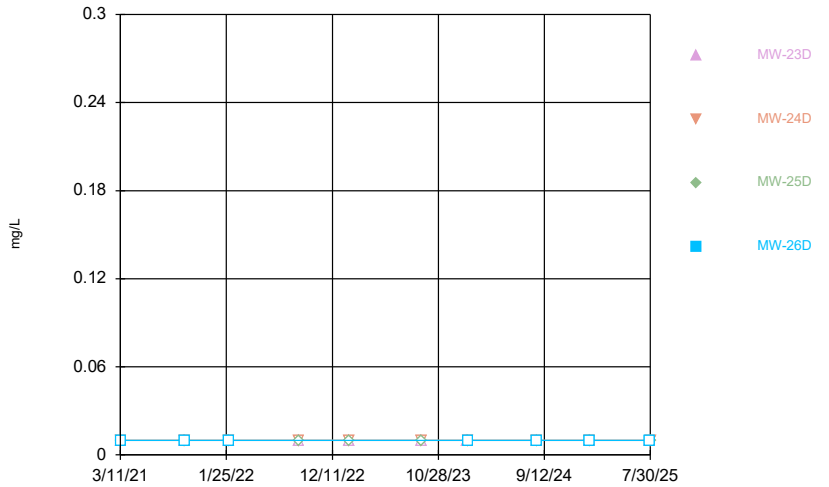
Time Series



Constituent: Lithium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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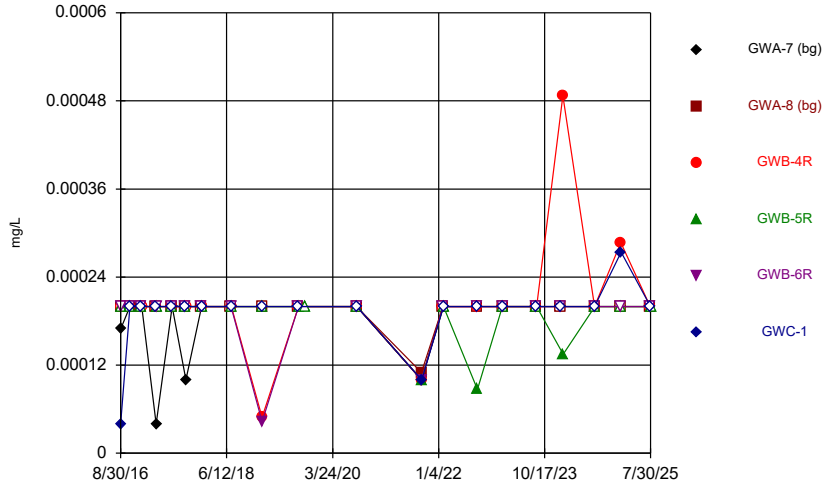
Time Series



Constituent: Lithium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

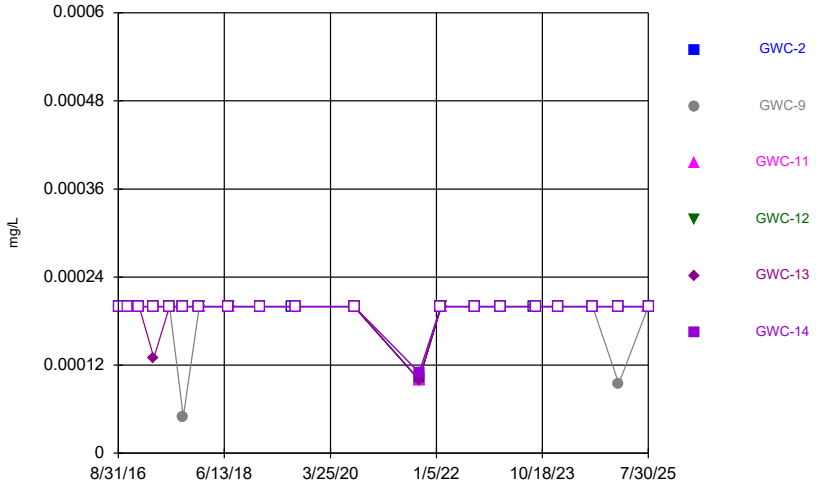
Time Series



Constituent: Mercury Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

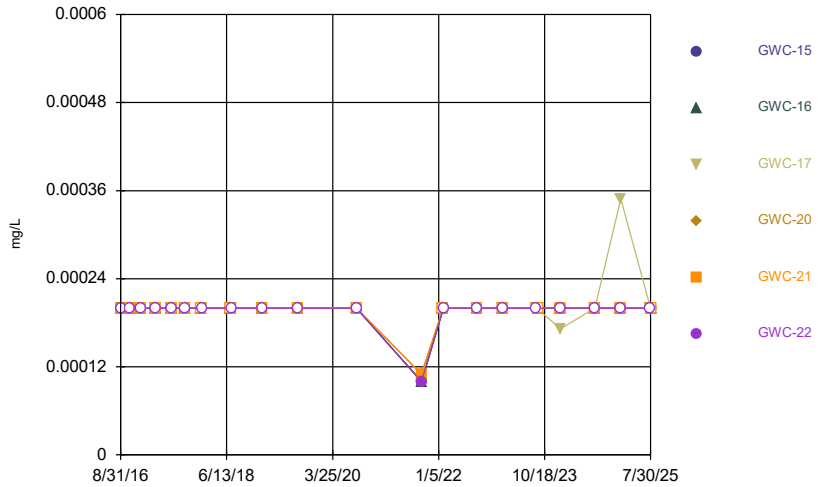
Time Series



Constituent: Mercury Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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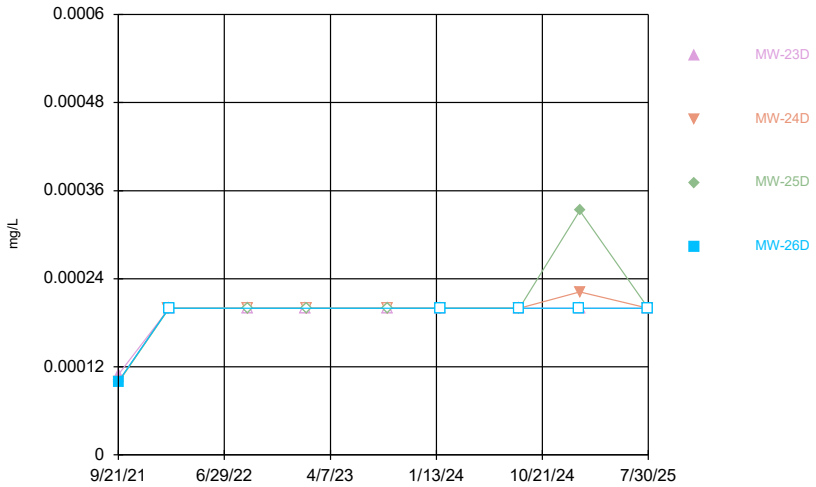
Time Series



Constituent: Mercury Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

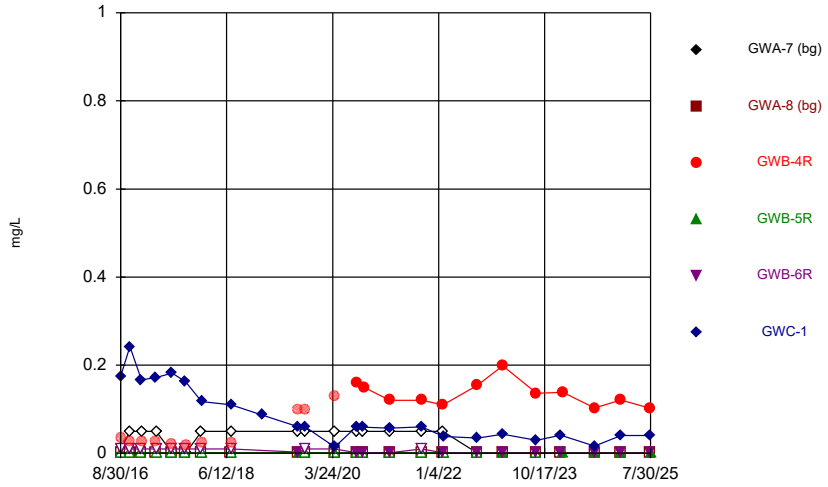
Time Series



Constituent: Mercury Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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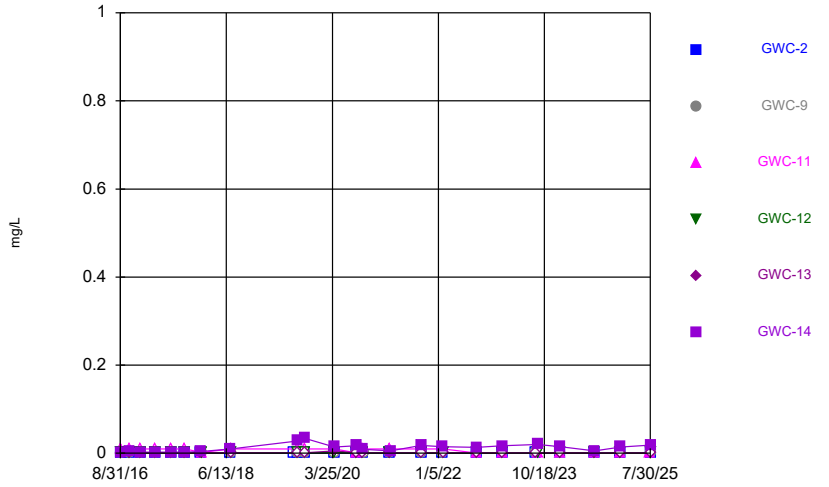
Time Series



Constituent: Molybdenum Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

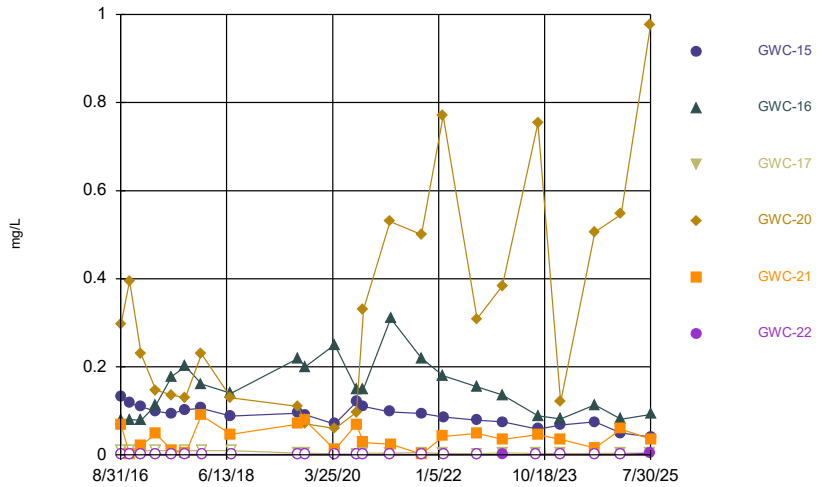
Time Series



Constituent: Molybdenum Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

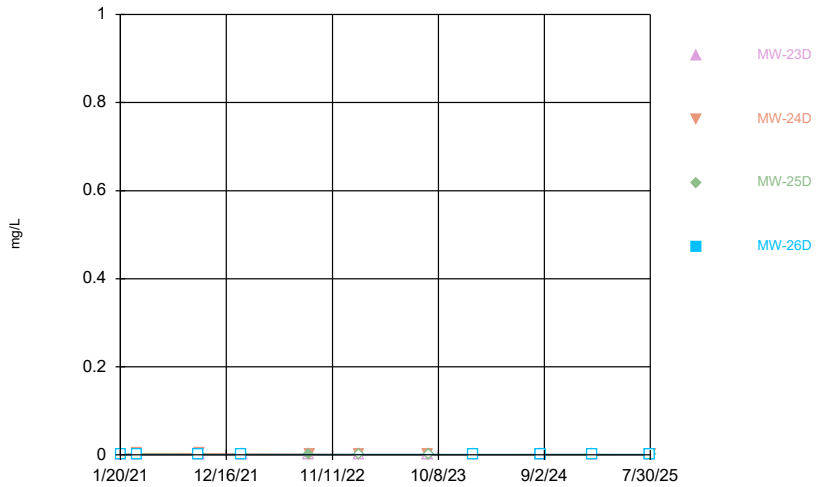
Time Series



Constituent: Molybdenum Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

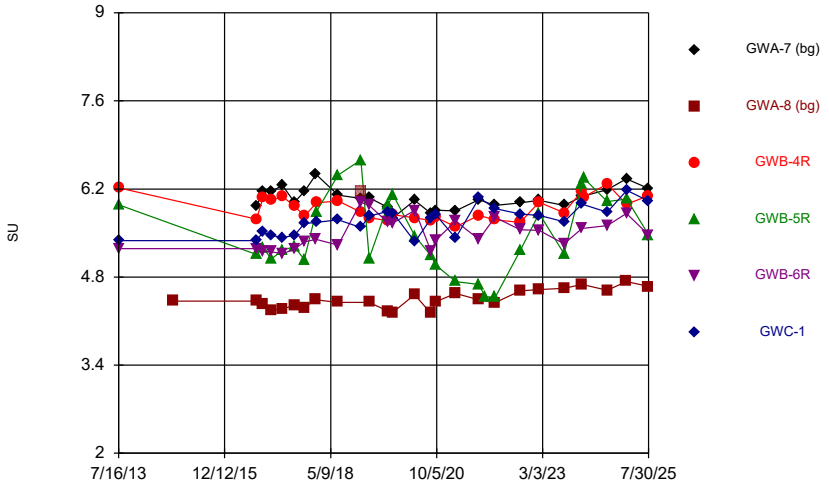
Time Series



Constituent: Molybdenum Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

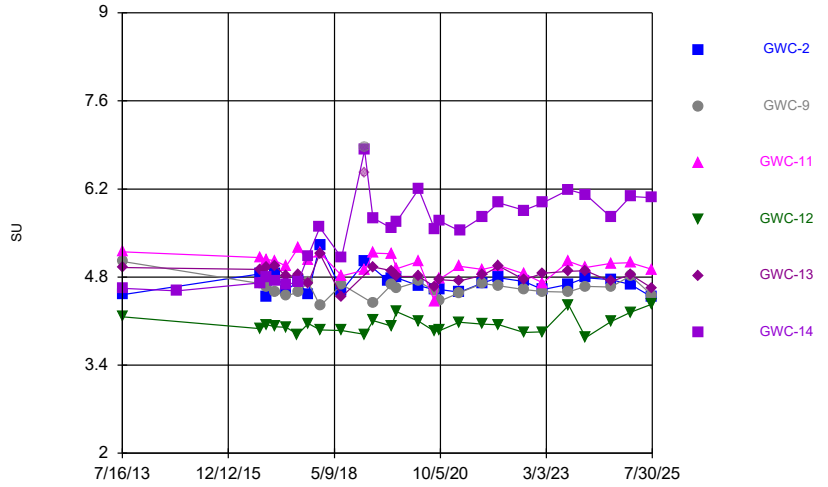


Constituent: pH, Field Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

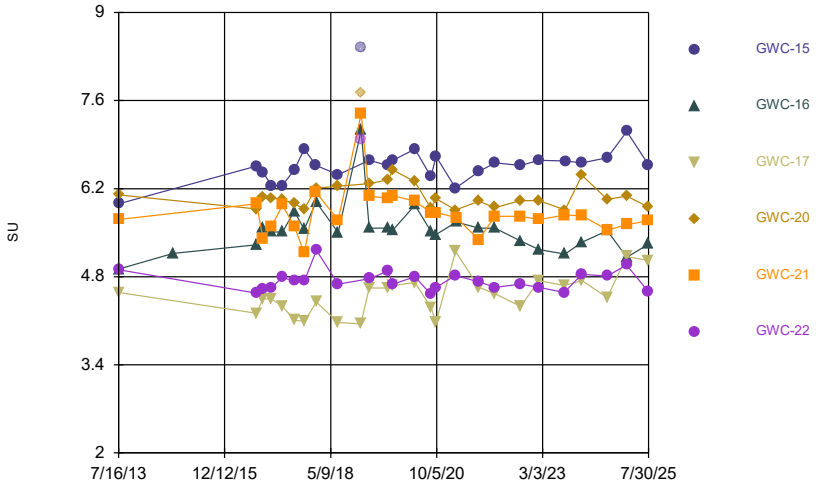


Constituent: pH, Field Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

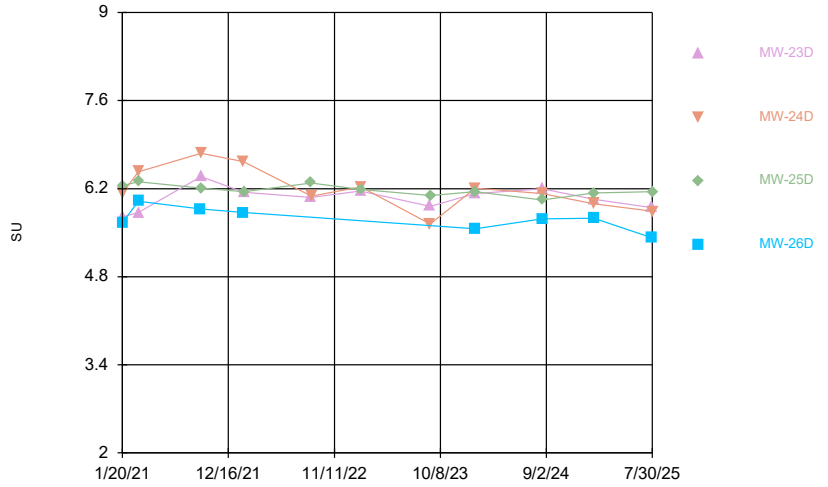


Constituent: pH, Field Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

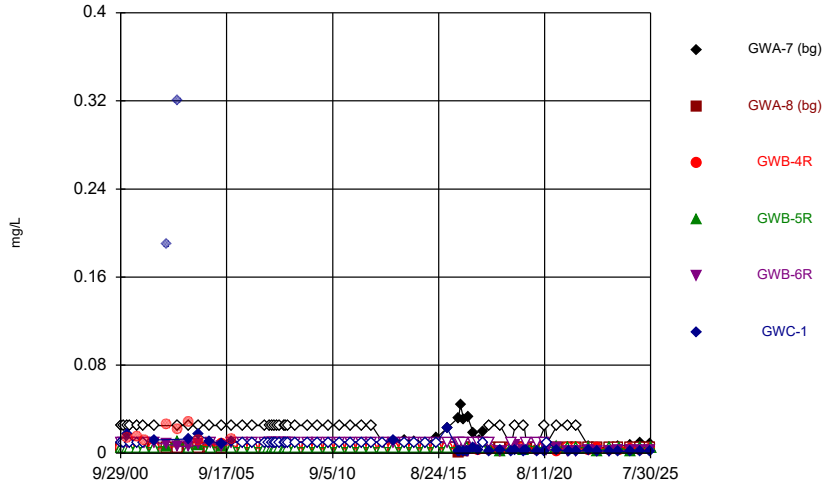


Constituent: pH, Field Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

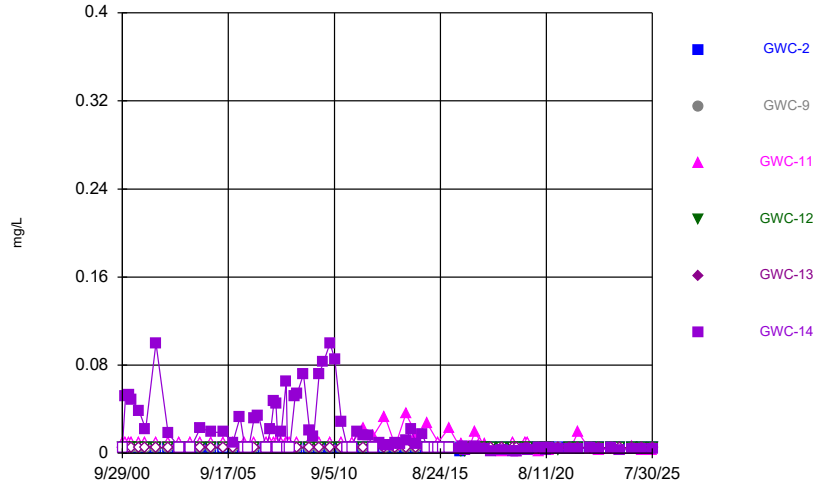
Time Series



Constituent: Selenium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

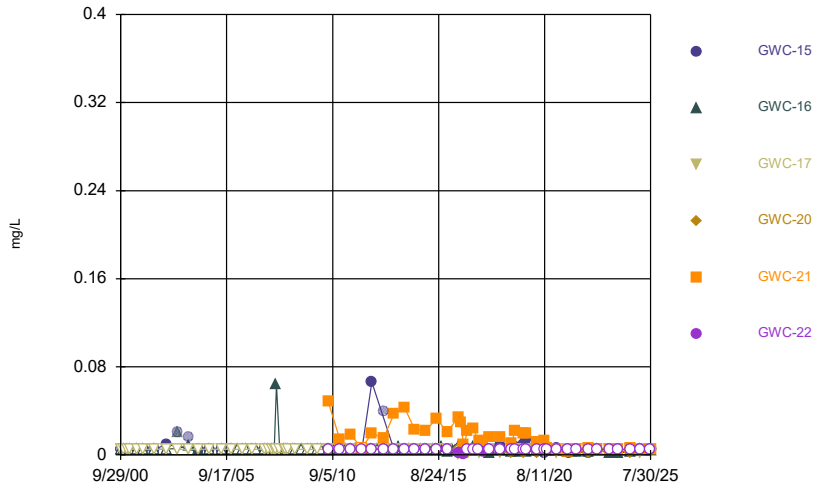
Time Series



Constituent: Selenium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

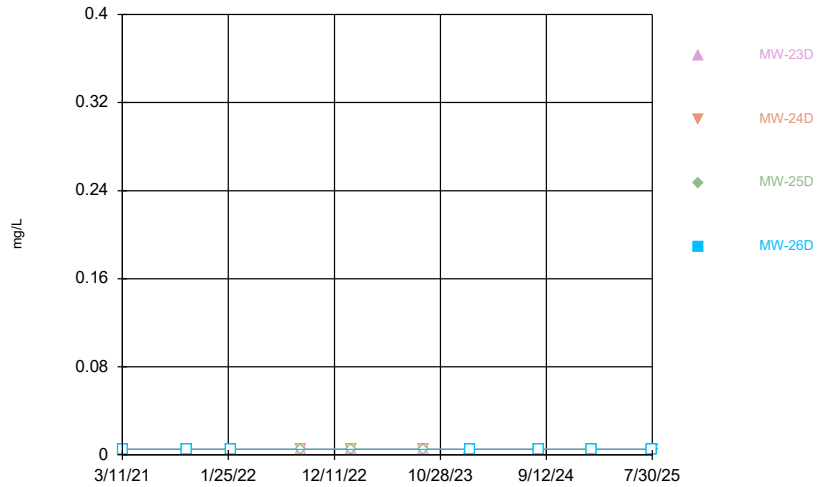
Time Series



Constituent: Selenium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

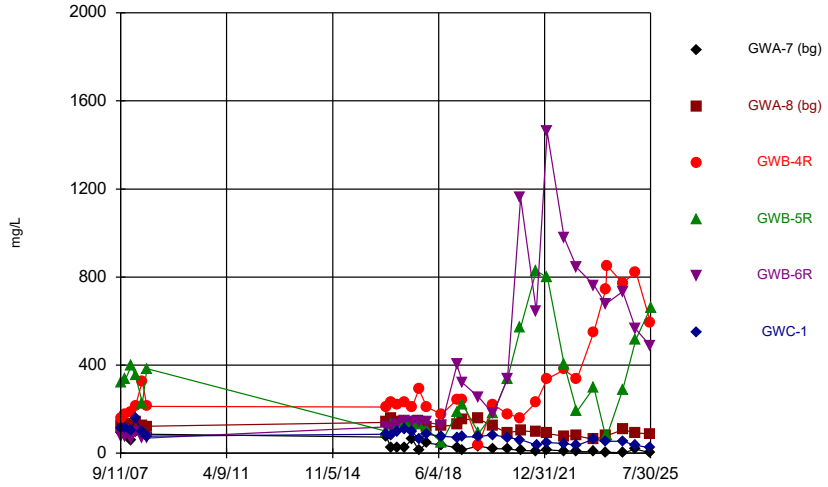
Time Series



Constituent: Selenium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

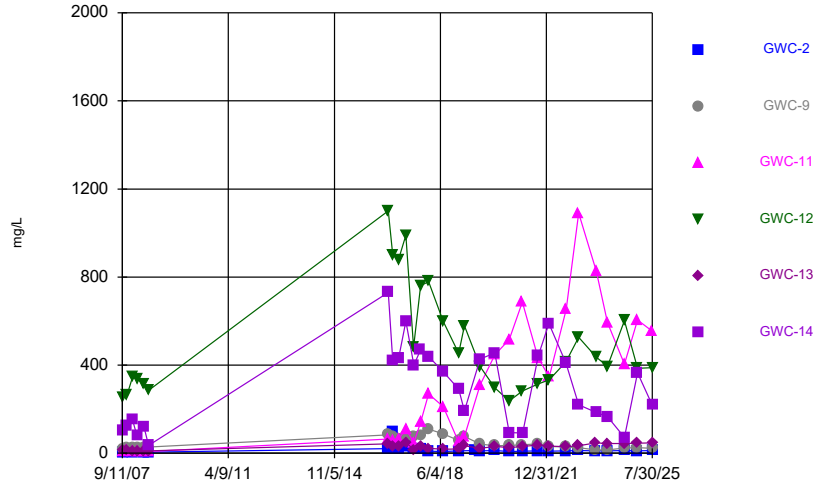


Constituent: Sulfate Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

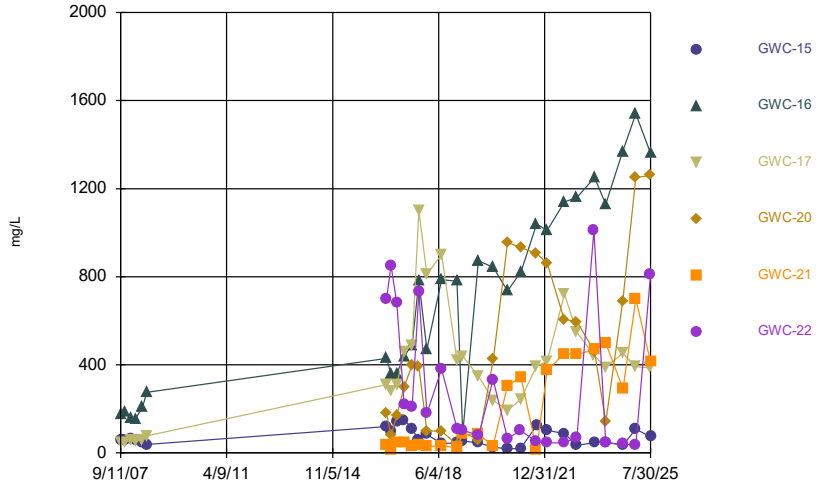


Constituent: Sulfate Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

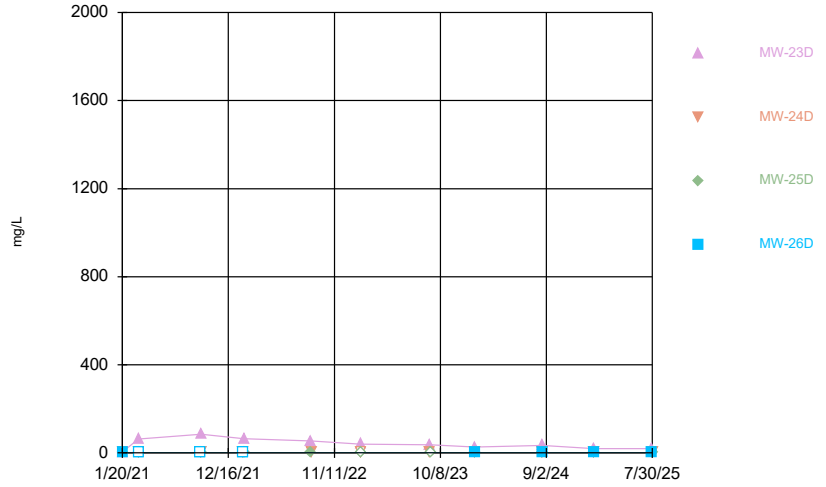


Constituent: Sulfate Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

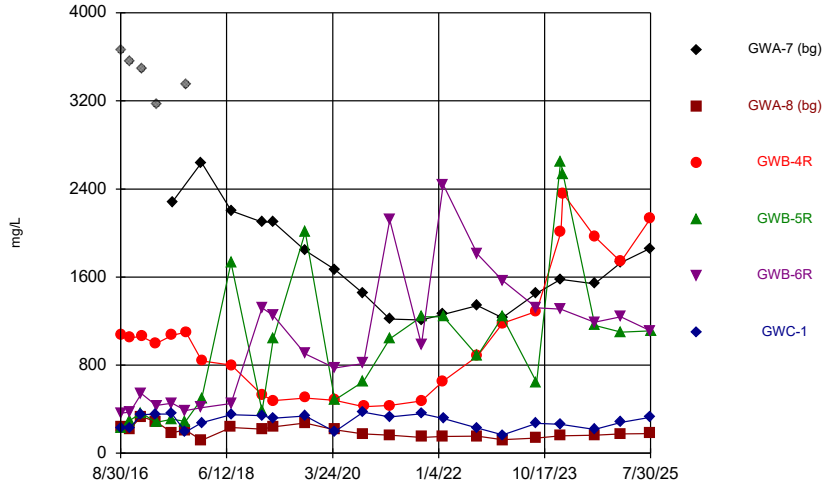


Constituent: Sulfate Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series



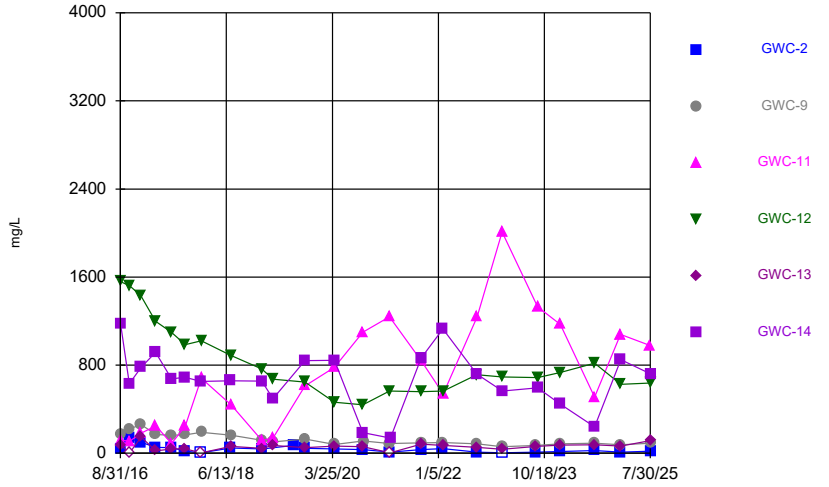
Constituent: TDS Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



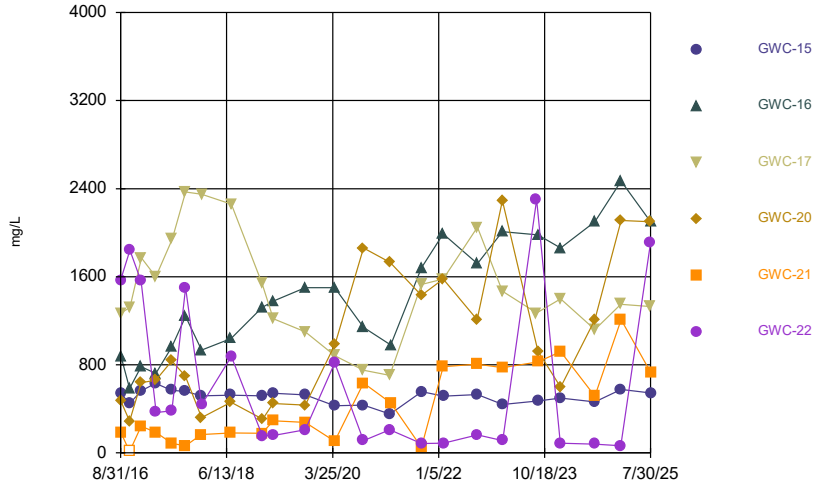
Constituent: TDS Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

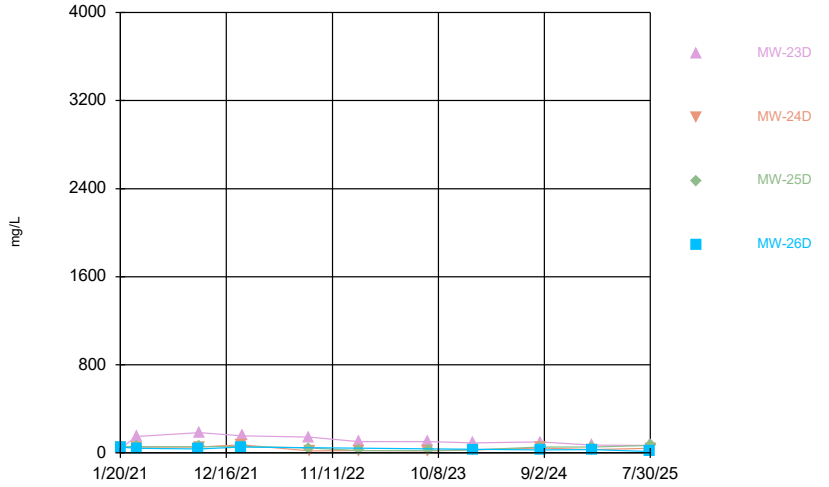


Constituent: TDS Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Time Series

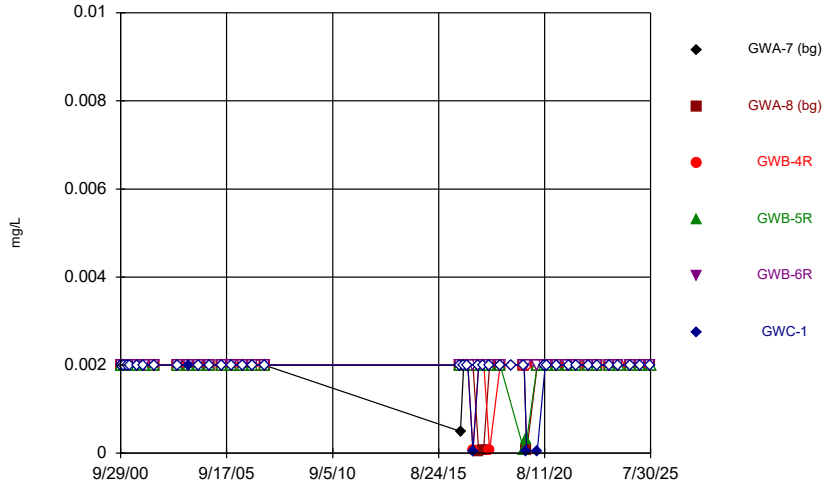


Constituent: TDS Analysis Run 10/1/2025 11:48 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

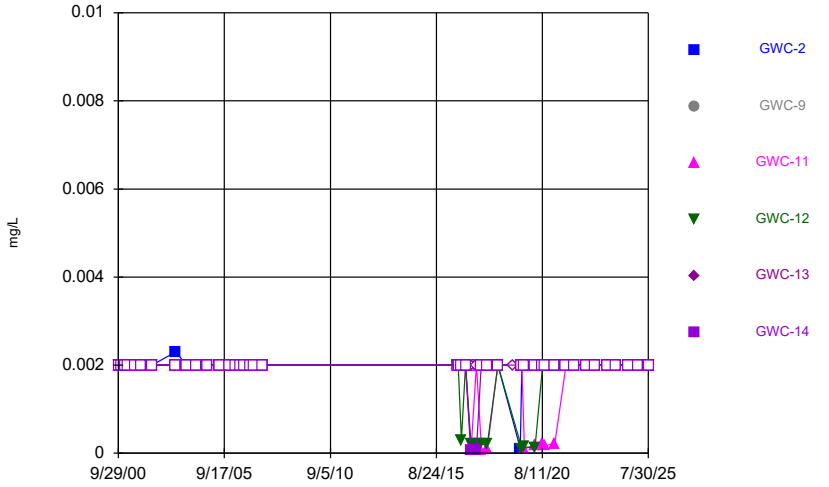
Time Series



Constituent: Thallium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

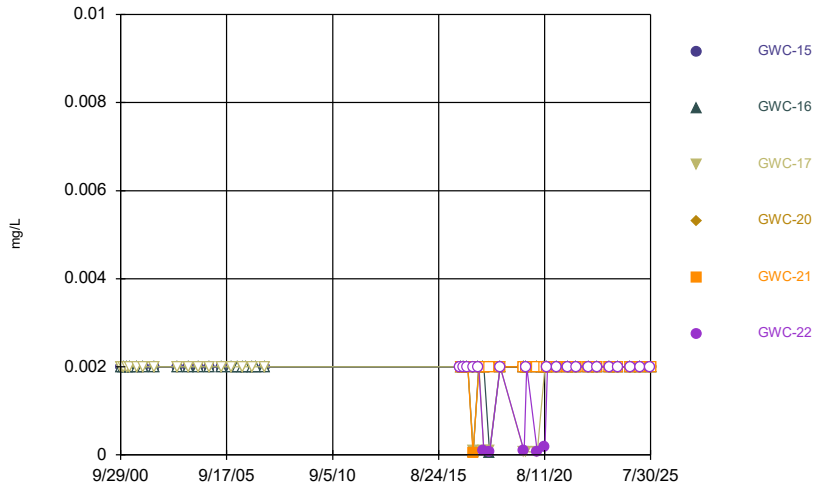
Time Series



Constituent: Thallium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

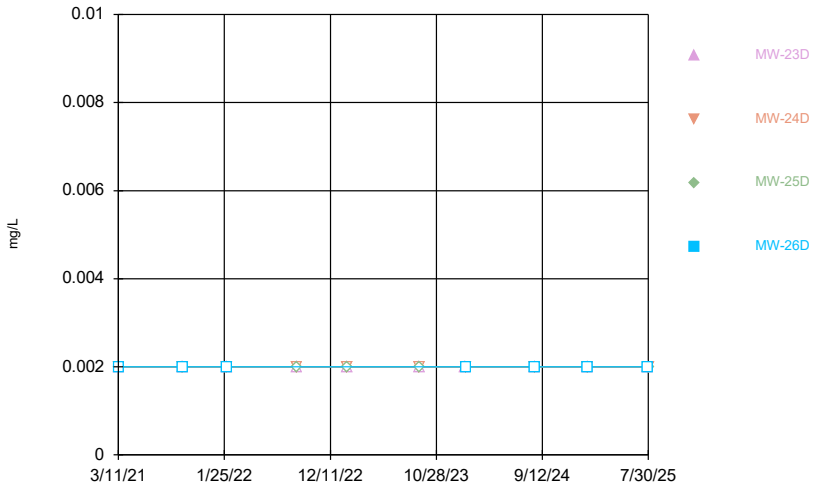
Time Series



Constituent: Thallium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

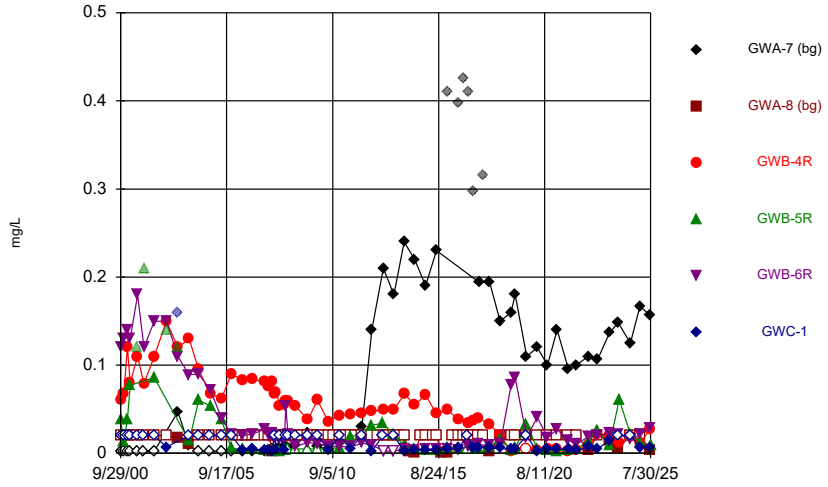
Time Series



Constituent: Thallium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

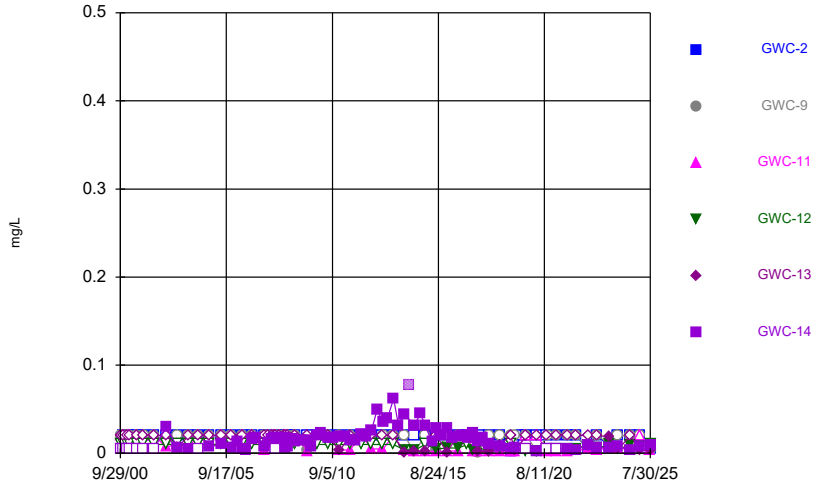
Time Series



Constituent: Vanadium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

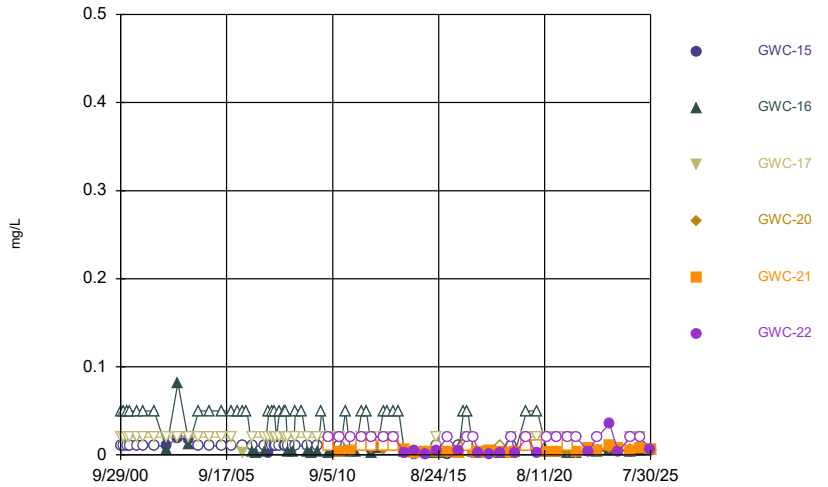
Time Series



Constituent: Vanadium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

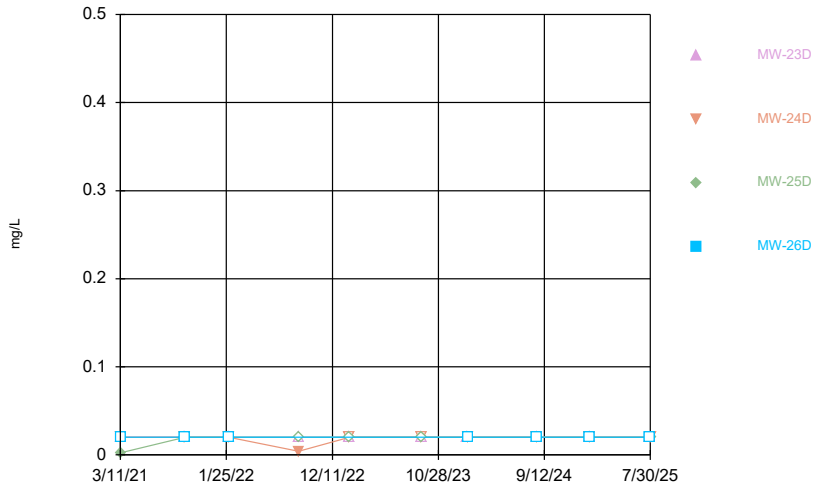
Time Series



Constituent: Vanadium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

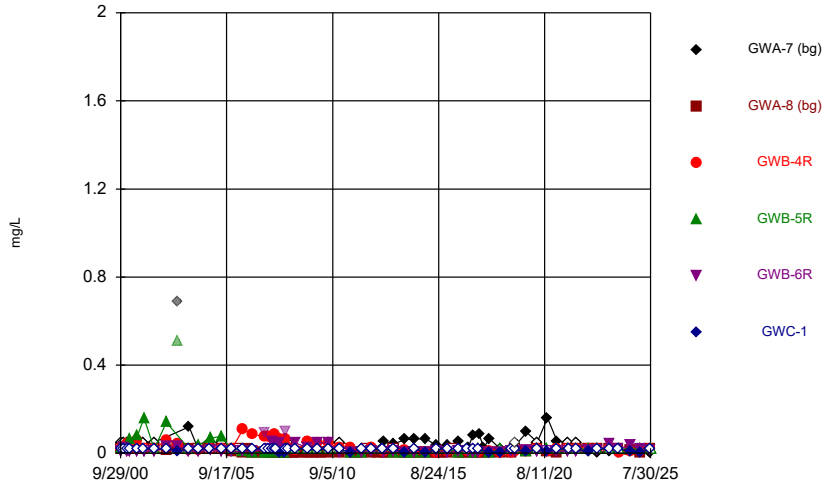
Time Series



Constituent: Vanadium Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

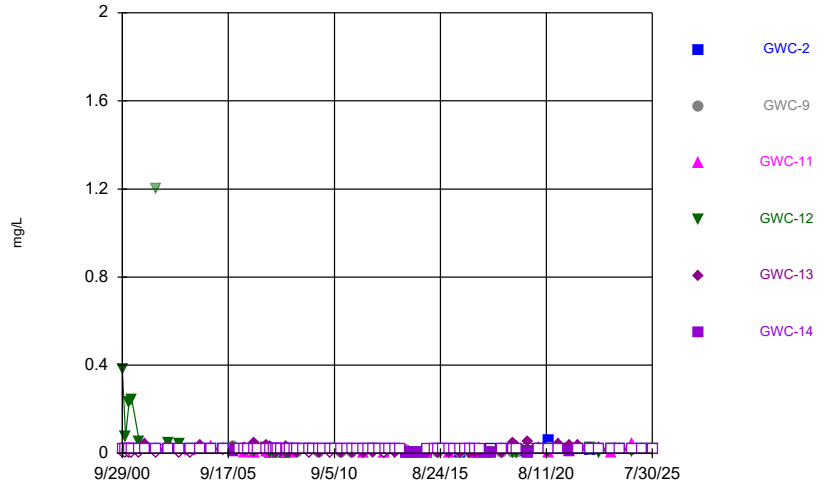
Time Series



Constituent: Zinc Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

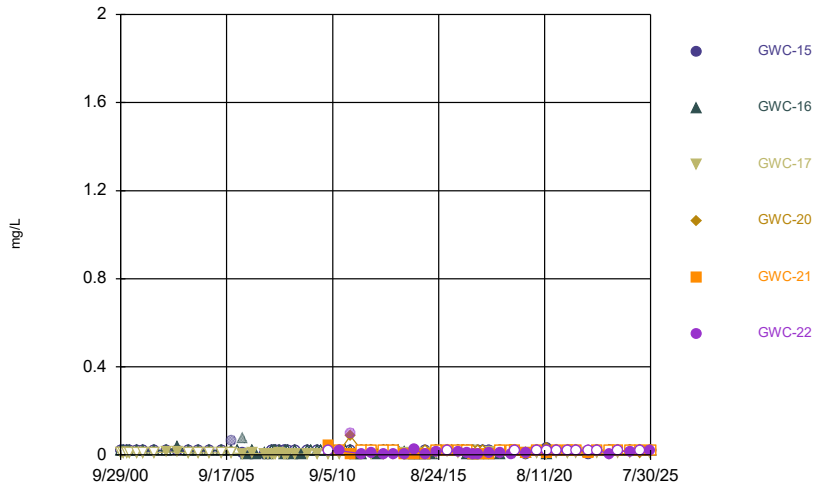
Time Series



Constituent: Zinc Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

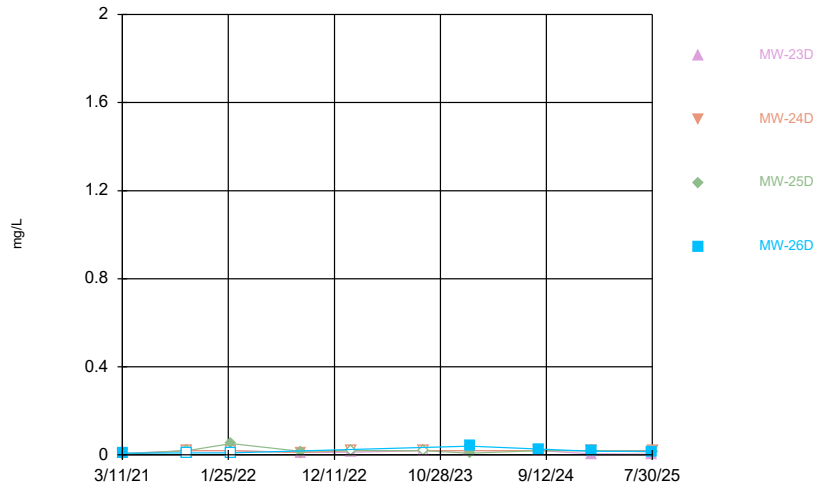
Time Series



Constituent: Zinc Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 10/1/2025 11:48 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/21/2000	<0.003		<0.003	<0.003	<0.003	<0.003
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2001	<0.003	<0.003				<0.003
11/2/2001			<0.003	<0.003	<0.003	
4/25/2002						<0.003
4/26/2002	<0.003	<0.003	<0.003	<0.003	<0.003	
11/20/2002			<0.003	<0.003	<0.003	<0.003
11/21/2002		<0.003				
6/6/2003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/12/2003	<0.003	<0.003	<0.003	<0.003	<0.003	
12/17/2003						<0.003
5/26/2004	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/8/2004	<0.003	<0.003				<0.003
12/10/2004			<0.003	<0.003	<0.003	
6/21/2005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/3/2005	<0.003	<0.003				
12/4/2005						<0.003
12/5/2005			<0.003	<0.003	<0.003	
4/4/2006		<0.003				
6/27/2006	<0.003	<0.003	<0.003	<0.003		<0.003
6/29/2006					<0.003	
8/30/2006		<0.003				
12/3/2006	<0.003	<0.003				
12/4/2006			<0.003	<0.003	<0.003	<0.003
2/15/2007		<0.003				
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/11/2007		<0.003				
9/12/2007			<0.003	<0.003		<0.003
9/14/2007	<0.003				<0.003	
11/7/2007			<0.003	<0.003		<0.003
11/8/2007	<0.003	<0.003			<0.003	
12/11/2007	<0.003	<0.003			<0.003	
12/12/2007			<0.003	<0.003		<0.003
1/17/2008			<0.003	<0.003	<0.003	<0.003
1/18/2008	<0.003	<0.003				
3/11/2008		<0.003				
3/12/2008			<0.003			<0.003
3/13/2008	<0.003			<0.003	<0.003	
6/4/2008	<0.003	<0.003		<0.003		<0.003
6/5/2008			<0.003		<0.003	
6/23/2008	<0.003	<0.003				
6/24/2008			<0.003	<0.003	<0.003	<0.003
7/29/2008	<0.003	<0.003				
7/30/2008			<0.003	<0.003	<0.003	
7/31/2008						<0.003
11/3/2008		<0.003				
12/4/2008	<0.003	<0.003				
12/5/2008			<0.003	<0.003	<0.003	<0.003
3/25/2009		<0.003				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2009		<0.003				
12/20/2009	<0.003	<0.003				<0.003
12/21/2009			<0.003	<0.003	<0.003	
3/4/2010		<0.003				
6/20/2010	<0.003	<0.003		<0.003	<0.003	<0.003
6/21/2010			<0.003			
9/14/2010		<0.003				
1/6/2011				<0.003		<0.003
1/7/2011	<0.003	<0.003	<0.003		<0.003	
4/15/2011		<0.003				
7/7/2011	<0.003	<0.003		<0.003	<0.003	<0.003
7/8/2011			<0.003			
9/25/2011		<0.003				
1/17/2012	<0.003	<0.003		<0.003		<0.003
1/18/2012			<0.003		<0.003	
4/4/2012		<0.003				
7/9/2012	<0.003			<0.003		<0.003
7/10/2012		<0.003	<0.003		<0.003	
10/9/2012		<0.003				
1/17/2013				<0.003		<0.003
1/18/2013	<0.003	<0.003	<0.003		<0.003	
4/5/2013		<0.003				
7/16/2013				<0.003		<0.003
7/17/2013	<0.003	<0.003	<0.003		<0.003	
10/11/2013		<0.003				
1/13/2014	<0.003			<0.003		<0.003
1/14/2014		<0.003	<0.003		<0.003	
4/3/2014		<0.003				
7/9/2014	0.0022 (J)	<0.003	0.002 (J)	<0.003	<0.003	<0.003
10/24/2014		<0.003				
1/12/2015			<0.003			
1/13/2015	<0.003			<0.003		<0.003
1/14/2015		<0.003			<0.003	
5/10/2015		<0.003				
7/16/2015	0.0028 (J)		0.0021 (J)	<0.003		<0.003
7/17/2015		<0.003			<0.003	
10/6/2015		<0.003				
1/17/2016						<0.003
1/18/2016	<0.003	<0.003	<0.003	<0.003	<0.003	
4/26/2016		<0.003				
7/27/2016	<0.003			<0.003		<0.003
7/28/2016		<0.003			<0.003	
7/29/2016			0.0003 (J)			
8/30/2016		<0.003		<0.003	<0.003	<0.003
9/1/2016	0.0017 (J)		<0.003			
10/24/2016		<0.003				
10/25/2016	<0.003					<0.003
10/26/2016			<0.003	<0.003	<0.003	
1/3/2017		<0.003		<0.003		
1/4/2017						<0.003
1/5/2017					<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0009 (J)		<0.003			
4/3/2017		<0.003				
4/4/2017			<0.003			<0.003
4/6/2017	<0.003			<0.003	<0.003	
7/11/2017		<0.003				
7/12/2017			<0.003	<0.003	<0.003	<0.003
7/13/2017	0.0013 (J)					
10/2/2017		<0.003				
10/3/2017				<0.003	<0.003	<0.003
10/4/2017	0.0008 (J)		<0.003			
1/9/2018	<0.003	<0.003			<0.003	
1/10/2018				<0.003		<0.003
1/11/2018			<0.003			
7/9/2018		<0.003				
7/10/2018				<0.003	<0.003	<0.003
7/11/2018	<0.003		<0.003			
1/16/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/25/2019	<0.003	<0.003	<0.003			
3/26/2019				<0.003	<0.003	<0.003
8/26/2019	<0.003	<0.003				
8/27/2019			<0.003		<0.003	<0.003
8/28/2019				0.00054 (J)		
10/7/2019		<0.003				
10/8/2019	<0.003					
10/9/2019			<0.003	<0.003	<0.003	<0.003
4/6/2020	<0.003	<0.003				
4/7/2020			<0.003	<0.003	<0.003	<0.003
8/17/2020		<0.003				
8/19/2020	<0.003		<0.003	<0.003	<0.003	0.00061 (J)
9/28/2020	<0.003	<0.003				0.00035 (J)
9/30/2020				0.0003 (J)	0.00059 (J)	
10/1/2020			<0.003			
3/10/2021			<0.003	<0.003	0.00029 (J)	0.00069 (J)
3/11/2021	<0.003					
3/12/2021		<0.003				
9/21/2021	<0.003	<0.003	<0.003	0.0013 (J)	<0.003	
9/23/2021						0.0016 (J)
1/31/2022	<0.003	<0.003				
2/2/2022			<0.003		<0.003	
2/3/2022				<0.003		<0.003
8/30/2022	<0.003	<0.003	<0.003	<0.003	<0.003	
9/1/2022						<0.003
1/31/2023	<0.003	<0.003				
2/1/2023				<0.003	<0.003	
2/2/2023			<0.003			<0.003
8/28/2023	<0.003	<0.003				
8/29/2023			<0.003	<0.003	<0.003	<0.003
1/23/2024	<0.003	<0.003			<0.003	<0.003
2/7/2024			<0.003			
2/8/2024				<0.003		
8/19/2024	<0.003					
8/20/2024			<0.003		<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.003		<0.003		
1/27/2025		<0.003				
1/28/2025	<0.003		<0.003		<0.003	
1/29/2025				<0.003		<0.003
7/28/2025	<0.003	<0.003	<0.003			
7/29/2025					<0.003	<0.003
7/30/2025				<0.003		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.003	<0.003	<0.003	<0.003	<0.003
11/21/2000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2001	<0.003		<0.003	<0.003	<0.003	<0.003
11/2/2001		<0.003				
4/25/2002	<0.003					<0.003
4/26/2002		<0.003	<0.003	<0.003	<0.003	
11/21/2002		<0.003	<0.003			<0.003
11/22/2002	<0.003			<0.003	<0.003	
6/6/2003	<0.003					<0.003
6/7/2003		<0.003	<0.003	<0.003	<0.003	
12/12/2003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
5/27/2004	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/8/2004	<0.003			<0.003		<0.003
12/9/2004		<0.003	<0.003		<0.003	
6/22/2005		<0.003	<0.003	<0.003	<0.003	
6/23/2005	<0.003					<0.003
12/3/2005	<0.003					<0.003
12/4/2005			<0.003			
12/5/2005		<0.003		<0.003	<0.003	
4/4/2006						<0.003
6/28/2006			<0.003			
6/29/2006	<0.003	<0.003		<0.003	<0.003	<0.003
8/30/2006						<0.003
12/3/2006		<0.003	<0.003	<0.003	<0.003	
12/4/2006	<0.003					<0.003
2/15/2007						<0.003
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/11/2007						<0.003
9/12/2007	<0.003					
9/13/2007		<0.003	<0.003	<0.003	<0.003	
11/6/2007	<0.003					<0.003
11/7/2007				<0.003	<0.003	
11/8/2007		<0.003	<0.003			
12/11/2007		<0.003	<0.003	<0.003	<0.003	
12/12/2007	<0.003					<0.003
1/15/2008			<0.003	<0.003	<0.003	
1/16/2008	<0.003	<0.003				<0.003
3/11/2008				<0.003	<0.003	<0.003
3/12/2008	<0.003	<0.003				
3/13/2008			<0.003			
6/3/2008			<0.003	<0.003	<0.003	
6/4/2008		<0.003				
6/5/2008	<0.003					<0.003
6/23/2008		<0.003	<0.003	<0.003	<0.003	
6/24/2008	<0.003					<0.003
7/29/2008		<0.003	<0.003			
7/30/2008				<0.003	<0.003	
7/31/2008	<0.003					<0.003
11/3/2008						<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/25/2009						<0.003
7/8/2009	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2009						<0.003
12/20/2009	<0.003					<0.003
12/21/2009		<0.003	<0.003	<0.003	<0.003	
3/4/2010						<0.003
6/20/2010	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2010						<0.003
1/6/2011	<0.003		<0.003		<0.003	
1/7/2011		<0.003		<0.003		<0.003
4/15/2011						<0.003
7/7/2011	<0.003		<0.003	<0.003	<0.003	<0.003
7/8/2011		<0.003				
9/25/2011						<0.003
1/17/2012	<0.003		<0.003	<0.003	<0.003	<0.003
1/18/2012		<0.003				
4/4/2012						<0.003
7/9/2012	<0.003		<0.003	<0.003	<0.003	<0.003
7/10/2012		<0.003				
10/9/2012						<0.003
1/17/2013	<0.003		<0.003	<0.003	<0.003	
1/18/2013		<0.003				<0.003
4/5/2013						<0.003
7/16/2013			<0.003	<0.003	<0.003	
7/17/2013	<0.003	<0.003				<0.003
10/11/2013						<0.003
1/13/2014	<0.003		<0.003	<0.003	<0.003	
1/14/2014		<0.003				<0.003
4/3/2014						<0.003
7/8/2014			<0.003	<0.003	<0.003	
7/9/2014	<0.003	<0.003				<0.003
10/24/2014						<0.003
1/13/2015	<0.003		<0.003	<0.003	<0.003	
1/14/2015		<0.003				<0.003
5/10/2015						<0.003
7/16/2015	<0.003		<0.003	<0.003	<0.003	
7/17/2015		<0.003				<0.003
10/6/2015						<0.003
1/17/2016	<0.003					<0.003
1/18/2016		<0.003		<0.003	<0.003	
1/19/2016			<0.003			
4/26/2016						<0.003
7/26/2016			0.0005 (J)		0.0006 (J)	
7/27/2016	<0.003			<0.003		<0.003
7/28/2016		<0.003				
8/31/2016	<0.003	<0.003	<0.003	<0.003	<0.003	
9/1/2016						<0.003
10/25/2016						<0.003
10/26/2016	<0.003		<0.003	<0.003	<0.003	
10/27/2016		0.0016 (J)				
1/4/2017			<0.003	<0.003		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.003				<0.003	<0.003
1/6/2017		<0.003				
4/4/2017	<0.003					<0.003
4/5/2017				<0.003		
4/6/2017		<0.003	0.0006 (J)		<0.003	
7/10/2017				<0.003		
7/11/2017			0.0009 (J)			<0.003
7/12/2017		<0.003			<0.003	
7/13/2017	<0.003					
10/2/2017						<0.003
10/3/2017	<0.003		<0.003			
10/4/2017		<0.003		<0.003	<0.003	
1/9/2018						<0.003
1/10/2018	<0.003				<0.003	
1/11/2018		<0.003	0.0007 (J)	<0.003		
7/9/2018						<0.003
7/10/2018	<0.003					
7/11/2018		<0.003	<0.003	<0.003	<0.003	
1/16/2019					<0.003	<0.003
1/17/2019			<0.003	<0.003		
1/18/2019		<0.003				
1/21/2019	<0.003					
3/26/2019					<0.003	<0.003
3/27/2019		<0.003	<0.003	<0.003		
7/30/2019	<0.003					
8/27/2019	<0.003		0.00033 (J)	<0.003	<0.003	<0.003
8/28/2019		<0.003				
10/8/2019			0.00046 (J)		<0.003	<0.003
10/9/2019	<0.003	<0.003		<0.003		
4/7/2020			0.00066 (J)	<0.003		<0.003
4/8/2020	0.0013 (J)	0.00033 (J)			<0.003	
8/17/2020				<0.003	<0.003	
8/18/2020	<0.003		0.00064 (J)			<0.003
8/19/2020		<0.003				
9/28/2020					<0.003	
9/29/2020	0.0016 (J)		0.00051 (J)	<0.003		<0.003
10/1/2020		<0.003				
3/10/2021		<0.003	0.00076 (J)	0.0003 (J)		
3/15/2021	<0.003				<0.003	
3/16/2021						<0.003
9/21/2021			<0.003	<0.003	<0.003	
9/22/2021	<0.003	<0.003				<0.003
2/2/2022	<0.003	<0.003				<0.003
2/3/2022			<0.003	<0.003	<0.003	
8/30/2022				<0.003		<0.003
8/31/2022			<0.003		<0.003	
9/1/2022	<0.003	<0.003				
2/1/2023		<0.003	<0.003	<0.003	<0.003	
2/2/2023	<0.003					<0.003
8/29/2023	<0.003	<0.003			<0.003	
9/6/2023			<0.003	<0.003		<0.003
1/24/2024		<0.003	<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.003			<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1/28/2025			<0.003			
1/29/2025	<0.003	<0.003		<0.003	<0.003	<0.003
7/29/2025			<0.003			
7/30/2025	<0.003	<0.003		<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.003	<0.003	<0.003			
11/21/2000	<0.003	<0.003	<0.003			
1/20/2001	<0.003	<0.003	<0.003			
3/14/2001	<0.003	<0.003	<0.003			
7/16/2001	<0.003	<0.003	<0.003			
11/1/2001	<0.003	<0.003	<0.003			
4/25/2002	<0.003	<0.003	<0.003			
11/21/2002	<0.003	<0.003	<0.003			
6/6/2003	<0.003	<0.003	<0.003			
12/12/2003	<0.003	<0.003	<0.003			
5/26/2004	<0.003	<0.003				
5/27/2004			<0.003			
12/8/2004	<0.003	<0.003	<0.003			
6/21/2005		<0.003				
6/23/2005	<0.003		<0.003			
12/3/2005	<0.003					
12/4/2005		<0.003				
12/5/2005			<0.003			
4/4/2006		<0.003				
6/29/2006	<0.003	<0.003	<0.003			
8/30/2006		<0.003				
12/4/2006	<0.003	0.006	<0.003			
2/15/2007		<0.003				
6/23/2007	<0.003	<0.003	<0.003			
9/11/2007		<0.003				
9/12/2007	<0.003		<0.003			
11/6/2007	<0.003	<0.003	<0.003			
12/12/2007	<0.003	<0.003	<0.003			
1/16/2008	<0.003	<0.003	<0.003			
3/11/2008		<0.003				
3/12/2008	<0.003					
3/13/2008			<0.003			
6/4/2008			<0.003			
6/5/2008	<0.003	<0.003				
6/24/2008	<0.003	<0.003	<0.003			
7/31/2008	<0.003	<0.003	<0.003			
11/3/2008		<0.003				
12/5/2008	<0.003	<0.003	<0.003			
3/25/2009		<0.003				
7/8/2009	<0.003	<0.003	<0.003			
9/14/2009		<0.003				
12/20/2009	<0.003	<0.003				
12/21/2009			<0.003			
3/4/2010		<0.003				
6/20/2010	<0.003					
6/21/2010		<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2010		<0.003				
1/7/2011	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
4/15/2011		<0.003				
7/7/2011	<0.003	<0.003				
7/8/2011			<0.003	<0.003	<0.003	<0.003
9/25/2011		<0.003				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.003					
1/18/2012		<0.003	<0.003	<0.003	<0.003	<0.003
4/4/2012		<0.003				
7/9/2012	<0.003					
7/10/2012		<0.003	<0.003	<0.003	<0.003	<0.003
10/9/2012		<0.003				
1/18/2013	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
4/5/2013		<0.003				
7/17/2013	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
10/11/2013		<0.003				
1/13/2014	<0.003					
1/14/2014		<0.003	<0.003	<0.003	<0.003	<0.003
4/3/2014		<0.003				
7/9/2014	<0.003	<0.003	<0.003		<0.003	
7/10/2014				<0.003		<0.003
10/24/2014		<0.003				
1/12/2015				<0.003		
1/13/2015	<0.003					
1/14/2015		<0.003	<0.003		<0.003	<0.003
5/11/2015		<0.003				
7/16/2015	<0.003	<0.003				
7/17/2015					<0.003	
7/18/2015			<0.003	<0.003		<0.003
10/6/2015		<0.003				
1/17/2016	<0.003	<0.003		<0.003	<0.003	
1/18/2016			<0.003			<0.003
4/26/2016		<0.003				
7/27/2016	<0.003					
7/28/2016		<0.003		0.0019 (J)	<0.003	
7/29/2016			<0.003			<0.003
8/31/2016						<0.003
9/1/2016	<0.003	<0.003	<0.003	<0.003	<0.003	
10/25/2016	<0.003	<0.003		<0.003	<0.003	
10/26/2016			<0.003			<0.003
1/4/2017		<0.003		<0.003	<0.003	<0.003
1/5/2017	<0.003		<0.003			
4/3/2017	<0.003					
4/4/2017				<0.003	<0.003	
4/5/2017		<0.003	<0.003			
4/6/2017						<0.003
7/11/2017	<0.003			<0.003		<0.003
7/12/2017		<0.003				
7/13/2017			<0.003		<0.003	
10/2/2017	<0.003			<0.003		
10/3/2017		<0.003			<0.003	
10/4/2017			<0.003			<0.003
1/9/2018	<0.003				<0.003	
1/10/2018		<0.003		<0.003		
1/11/2018			<0.003			<0.003
7/9/2018				<0.003		
7/10/2018	<0.003	<0.003			<0.003	
7/11/2018			<0.003			<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.003			
1/17/2019	<0.003	<0.003			<0.003	
1/18/2019						<0.003
1/21/2019				<0.003		
3/25/2019				<0.003		
3/26/2019	<0.003	<0.003	<0.003		<0.003	
3/27/2019						<0.003
8/27/2019	<0.003					0.00045 (J)
8/28/2019		<0.003	<0.003	<0.003	<0.003	
10/8/2019	<0.003	<0.003			<0.003	
10/9/2019			<0.003	<0.003		<0.003
4/7/2020	<0.003	<0.003			<0.003	0.00049 (J)
4/8/2020			<0.003	<0.003		
8/18/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.0022 (J)
9/30/2020	<0.003	<0.003	<0.003	<0.003	0.00033 (J)	0.0016 (J)
3/10/2021						0.0004 (J)
3/11/2021			0.00039 (J)			
3/12/2021	0.0018 (J)			0.00065 (J)		
3/16/2021		<0.003			<0.003	
9/21/2021						<0.003
9/22/2021		<0.003	0.0014 (J)	<0.003	<0.003	
9/23/2021	<0.003					
2/1/2022		<0.003	<0.003	<0.003	<0.003	
2/3/2022	<0.003					<0.003
8/30/2022				<0.003	<0.003	
8/31/2022	<0.003		<0.003			<0.003
9/1/2022		<0.003				
2/1/2023		<0.003	0.00286 (J)	<0.003		
2/2/2023	<0.003				<0.003	<0.003
8/29/2023			<0.003			<0.003
9/6/2023		<0.003		<0.003	<0.003	
9/7/2023	<0.003					
1/23/2024						<0.003
1/24/2024	<0.003		0.00245 (J)	<0.003		
1/25/2024		<0.003			<0.003	
8/21/2024	<0.003	<0.003	<0.003	<0.003		<0.003
8/22/2024					<0.003	
1/28/2025			0.00115 (J)			<0.003
1/29/2025	<0.003	<0.003		<0.003	<0.003	
7/29/2025			<0.003	<0.003		<0.003
7/30/2025	<0.003	<0.003			<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.003	<0.003	<0.003	<0.003
9/21/2021				<0.003
9/22/2021	<0.003	<0.003		
9/23/2021			<0.003	
2/1/2022		<0.003		
2/2/2022				<0.003
2/3/2022	<0.003		<0.003	
8/31/2022	<0.003		<0.003	
9/1/2022		<0.003		
2/1/2023	<0.003			
2/2/2023		<0.003	<0.003	
9/6/2023	<0.003	<0.003		
9/7/2023			<0.003	
1/24/2024	<0.003			
1/25/2024		<0.003	<0.003	<0.003
8/20/2024				<0.003
8/21/2024	<0.003	<0.003	<0.003	
1/28/2025				<0.003
1/29/2025	<0.003	<0.003	<0.003	
7/29/2025	<0.003			<0.003
7/30/2025		<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.025	<0.005	<0.005	<0.005	<0.025	<0.005
11/21/2000	<0.025		<0.005	<0.005	<0.025	<0.005
1/20/2001	<0.025	<0.005	0.01	<0.005	0.014	<0.005
3/14/2001	<0.025	<0.005	<0.005	<0.005	<0.025	<0.005
7/16/2001	<0.025	<0.005	<0.005	0.014	<0.025	<0.005
11/1/2001	<0.025	<0.005				<0.005
11/2/2001			<0.005	0.023	<0.025	
4/25/2002						<0.005
4/26/2002	<0.025	<0.005	<0.005	<0.005	<0.025	
11/20/2002			0.0096	0.022	0.014	<0.005
11/21/2002		<0.005				
6/6/2003	0.02	<0.005	0.0076	0.07	0.014	0.03
12/12/2003	<0.025	<0.005	0.0058	<0.005	<0.025	
12/17/2003						<0.005
5/26/2004	<0.025	<0.005	0.0068	0.0074	0.0082	<0.005
12/8/2004	<0.025	<0.005				<0.005
12/10/2004			0.0066	0.017	0.0062	
6/21/2005	<0.025	<0.005	<0.005	0.013	<0.025	<0.005
12/3/2005	<0.025	<0.005				
12/4/2005						<0.005
12/5/2005			<0.005	<0.005	<0.025	
4/4/2006		<0.005				
6/27/2006	<0.025	<0.005	<0.005	<0.005		<0.005
6/29/2006					<0.025	
8/30/2006		<0.005				
12/3/2006	<0.025	<0.005				
12/4/2006			<0.005	<0.005	<0.025	<0.005
2/15/2007		<0.005				
6/23/2007	<0.025	<0.005	<0.005	<0.005	0.0053	<0.005
9/11/2007		<0.005				
9/12/2007			0.007	<0.005		<0.005
9/14/2007	<0.025				0.0076	
11/7/2007			0.0058	<0.005		<0.005
11/8/2007	<0.025	<0.005			0.0087	
12/11/2007	<0.025	<0.005			0.0057	
12/12/2007			<0.005	<0.005		<0.005
1/17/2008			<0.005	<0.005	<0.025	<0.005
1/18/2008	<0.025	<0.005				
3/11/2008		<0.005				
3/12/2008			0.0062			<0.005
3/13/2008	<0.025			<0.005	0.0057	
6/4/2008	<0.025	<0.005		<0.005		<0.005
6/5/2008			<0.005		<0.025	
6/23/2008	<0.025	<0.005				
6/24/2008			0.005	<0.005	0.012	<0.005
7/29/2008	<0.025	<0.005				
7/30/2008			<0.005	<0.005	<0.025	
7/31/2008						<0.005
11/3/2008		<0.005				
12/4/2008	<0.025	<0.005				
12/5/2008			<0.005	<0.005	0.0064	<0.005
3/25/2009		<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.025	<0.005	<0.005	<0.005	<0.025	<0.005
9/14/2009		<0.005				
12/20/2009	<0.025	<0.005				<0.005
12/21/2009			<0.005	<0.005	<0.025	
3/4/2010		<0.005				
6/20/2010	<0.025	<0.005		<0.005	0.017	<0.005
6/21/2010			0.018			
9/14/2010		<0.005				
1/6/2011				<0.005		<0.005
1/7/2011	<0.025	<0.005	<0.005		<0.025	
4/15/2011		<0.005				
7/7/2011	<0.025	<0.005		<0.005	<0.025	<0.005
7/8/2011			<0.005			
9/25/2011		<0.005				
1/17/2012	<0.025	<0.005		<0.005		0.0071
1/18/2012			<0.005		<0.025	
4/4/2012		<0.005				
7/9/2012	0.0052			<0.005		0.0076
7/10/2012		<0.005	0.0052		<0.025	
10/9/2012		<0.005				
1/17/2013				<0.005		0.0086
1/18/2013	0.0087	<0.005	<0.005		<0.025	
4/5/2013		<0.005				
7/16/2013				<0.005		<0.005
7/17/2013	0.0084	<0.005	<0.005		<0.025	
10/11/2013		<0.005				
1/13/2014	0.0087			<0.005		0.0035 (J)
1/14/2014		<0.005	0.0023 (J)		<0.025	
4/3/2014		<0.005				
7/9/2014	0.008	<0.005	0.0023 (J)	<0.005	<0.025	0.0022 (J)
10/24/2014		<0.005				
1/12/2015			0.0028 (J)			
1/13/2015	0.0077			<0.005		<0.005
1/14/2015		<0.005			<0.025	
5/10/2015		<0.005				
7/16/2015	0.0077		<0.005	<0.005		0.0037 (J)
7/17/2015		<0.005			<0.025	
10/6/2015		<0.005				
1/17/2016						0.024
1/18/2016	0.014	<0.005	<0.005	<0.005	<0.025	
4/26/2016		0.0011 (J)				
7/27/2016	0.0111			0.0008 (J)		0.0046 (J)
7/28/2016		<0.005			0.0009 (J)	
7/29/2016			0.0014 (J)			
8/30/2016		<0.005		<0.005	<0.025	0.0023 (J)
9/1/2016	0.0287		0.0033 (J)			
10/24/2016		<0.005				
10/25/2016	0.0069					0.0035 (J)
10/26/2016			0.0016 (J)	<0.005	<0.025	
1/3/2017		<0.005		<0.005		
1/4/2017						0.0018 (J)
1/5/2017					0.0021 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0097		<0.005			
4/3/2017		0.0006 (J)				
4/4/2017			0.0021 (J)			0.0015 (J)
4/6/2017	0.0104			0.0006 (J)	0.0011 (J)	
7/11/2017		0.0006 (J)				
7/12/2017			0.0015 (J)	0.0009 (J)	0.0014 (J)	0.0015 (J)
7/13/2017	0.0064					
10/2/2017		0.0006 (J)				
10/3/2017				0.001 (J)	0.0014 (J)	0.0013 (J)
10/4/2017	0.0078		0.0018 (J)			
1/9/2018	0.0091 (J)	0.0009 (J)			0.0017 (J)	
1/10/2018				0.0012 (J)		0.0023 (J)
1/11/2018			0.0015 (J)			
7/9/2018		<0.005				
7/10/2018				0.0016 (J)	0.00063 (J)	0.0031 (J)
7/11/2018	<0.025		0.00095 (J)			
1/16/2019	<0.025	<0.005	0.0024 (J)	0.0011 (J)	<0.025	0.0023 (J)
3/25/2019	0.0029 (J)	<0.005	0.0029 (J)			
3/26/2019				0.0014 (J)	0.0029 (J)	0.0032 (J)
8/26/2019	0.0041 (J)	<0.005				
8/27/2019			0.0023 (J)		0.0035 (J)	0.0022 (J)
8/28/2019				0.0023 (J)		
10/7/2019		<0.005				
10/8/2019	0.003 (J)					
10/9/2019			0.0024 (J)	0.0053 (J)	0.0018 (J)	0.0042 (J)
4/6/2020	<0.025	0.00045 (J)				
4/7/2020			0.0027 (J)	0.0011 (J)	<0.025	0.027
8/17/2020		<0.005				
8/19/2020	0.006 (J)		0.0033 (J)	0.0019 (J)	0.0036 (J)	0.007
9/28/2020	<0.025	<0.005				0.0058
9/30/2020				0.0017 (J)	0.004 (J)	
10/1/2020			0.0027 (J)			
3/10/2021			0.0025 (J)	0.0019 (J)	0.0054	0.0055
3/11/2021	0.0047 (J)					
3/12/2021		<0.005				
9/21/2021	<0.025	<0.005	0.0027 (J)	<0.005	0.0054	
9/23/2021						0.0048 (J)
1/31/2022	<0.025	<0.005				
2/2/2022			0.0036 (J)		0.01	
2/3/2022				0.0029 (J)		0.0057
8/30/2022	0.00321 (J)	<0.005	0.0049 (J)	0.00253 (J)	0.00716	
9/1/2022						0.00568
1/31/2023	0.0025 (J)	<0.005				
2/1/2023				0.00295 (J)	0.0042 (J)	
2/2/2023			0.00556			0.00433 (J)
8/28/2023	0.0039 (J)	<0.005				
8/29/2023			0.0057	0.00239 (J)	0.00724	0.00668
1/23/2024	0.00432 (J)	0.00216 (J)			0.00451 (J)	0.00609
2/7/2024			0.00903			
2/8/2024				0.0071		
8/19/2024	0.00287 (J)					
8/20/2024			0.00377 (J)		0.0056	0.0131

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.005		0.00237 (J)		
1/27/2025		0.00205 (J)				
1/28/2025	0.00469 (J)		0.00703		0.00574	
1/29/2025				0.00216 (J)		0.00822
7/28/2025	0.00406 (J)	<0.005	0.00507			
7/29/2025					0.00474 (J)	0.00906
7/30/2025				0.00227 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.005	<0.005	<0.005	<0.005	<0.005
11/21/2000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/20/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
7/16/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2001	<0.005		<0.005	<0.005	<0.005	<0.005
11/2/2001		<0.005				
4/25/2002	<0.005					<0.005
4/26/2002		<0.005	<0.005	<0.005	<0.005	
11/21/2002		<0.005	<0.005			0.011
11/22/2002	<0.005			<0.005	<0.005	
6/6/2003	<0.005					<0.005
6/7/2003		<0.005	<0.005	<0.005	<0.005	
12/12/2003	<0.005	<0.005	<0.005	<0.005	0.0064	<0.005
5/27/2004	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
12/8/2004	<0.005			<0.005		<0.005
12/9/2004		<0.005	<0.005		<0.005	
6/22/2005		<0.005	<0.005	<0.005	<0.005	
6/23/2005	<0.005					<0.005
12/3/2005	<0.005					<0.005
12/4/2005			<0.005			
12/5/2005		<0.005		<0.005	<0.005	
4/4/2006						<0.005
6/28/2006			<0.005			
6/29/2006	<0.005	<0.005		<0.005	<0.005	<0.005
8/30/2006						<0.005
12/3/2006		<0.005	<0.005	<0.005	<0.005	
12/4/2006	<0.005					<0.005
2/15/2007						<0.005
6/23/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2007						<0.005
9/12/2007	<0.005					
9/13/2007		<0.005	<0.005	<0.005	<0.005	
11/6/2007	<0.005					<0.005
11/7/2007				<0.005	<0.005	
11/8/2007		<0.005	<0.005			
12/11/2007		<0.005	<0.005	<0.005	<0.005	
12/12/2007	<0.005					<0.005
1/15/2008			<0.005	<0.005	<0.005	
1/16/2008	<0.005	<0.005				0.1
3/11/2008				<0.005	<0.005	<0.005
3/12/2008	<0.005	<0.005				
3/13/2008			<0.005			
6/3/2008			<0.005	<0.005	<0.005	
6/4/2008		<0.005				
6/5/2008	<0.005					<0.005
6/23/2008		<0.005	<0.005	<0.005	<0.005	
6/24/2008	<0.005					<0.005
7/29/2008		<0.005	<0.005			
7/30/2008				<0.005	<0.005	
7/31/2008	<0.005					<0.005
11/3/2008						<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/25/2009						<0.005
7/8/2009	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/14/2009						<0.005
12/20/2009	<0.005					<0.005
12/21/2009		<0.005	<0.005	<0.005	<0.005	
3/4/2010						<0.005
6/20/2010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/14/2010						<0.005
1/6/2011	<0.005		<0.005		<0.005	
1/7/2011		<0.005		<0.005		<0.005
4/15/2011						<0.005
7/7/2011	<0.005		<0.005	<0.005	<0.005	<0.005
7/8/2011		<0.005				
9/25/2011						<0.005
1/17/2012	<0.005		<0.005	<0.005	<0.005	<0.005
1/18/2012		<0.005				
4/4/2012						<0.005
7/9/2012	<0.005		<0.005	<0.005	<0.005	<0.005
7/10/2012		<0.005				
10/9/2012						<0.005
1/17/2013	<0.005		<0.005	<0.005	<0.005	
1/18/2013		<0.005				<0.005
4/5/2013						<0.005
7/16/2013			<0.005	<0.005	<0.005	
7/17/2013	<0.005	<0.005				<0.005
10/11/2013						<0.005
1/13/2014	<0.005		<0.005	<0.005	<0.005	
1/14/2014		<0.005				<0.005
4/3/2014						<0.005
7/8/2014			<0.005	<0.005	<0.005	
7/9/2014	<0.005	<0.005				<0.005
10/24/2014						<0.005
1/13/2015	<0.005		<0.005	<0.005	<0.005	
1/14/2015		<0.005				<0.005
5/10/2015						<0.005
7/16/2015	<0.005		<0.005	<0.005	<0.005	
7/17/2015		<0.005				<0.005
10/6/2015						<0.005
1/17/2016	<0.005					0.002 (J)
1/18/2016		<0.005		<0.005	<0.005	
1/19/2016			<0.005			
4/26/2016						0.00183 (J)
7/26/2016			<0.005		<0.005	
7/27/2016	<0.005			<0.005		0.0021 (J)
7/28/2016		<0.005				
8/31/2016	<0.005	<0.005	<0.005	<0.005	<0.005	
9/1/2016						0.0024 (J)
10/25/2016						<0.005
10/26/2016	<0.005		<0.005	<0.005	<0.005	
10/27/2016		<0.005				
1/4/2017			<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.005				<0.005	0.0024 (J)
1/6/2017		<0.005				
4/4/2017	<0.005					0.003 (J)
4/5/2017				0.0006 (J)		
4/6/2017		<0.005	<0.005		<0.005	
7/10/2017				0.0008 (J)		
7/11/2017			<0.005			0.0019 (J)
7/12/2017		<0.005			<0.005	
7/13/2017	<0.005					
10/2/2017						0.0026 (J)
10/3/2017	<0.005		<0.005			
10/4/2017		<0.005		0.0009 (J)	<0.005	
1/9/2018						0.0021 (J)
1/10/2018	0.0006 (J)				0.0006 (J)	
1/11/2018		<0.005	<0.005	<0.005		
7/9/2018						0.0019 (J)
7/10/2018	<0.005					
7/11/2018		<0.005	<0.005	<0.005	<0.005	
1/16/2019					<0.005	0.0016 (J)
1/17/2019			<0.005	<0.005		
1/18/2019		<0.005				
1/21/2019	<0.005					
3/26/2019					0.00058 (J)	0.0023 (J)
3/27/2019		<0.005	<0.005	<0.005		
7/30/2019	0.00039 (J)					
8/27/2019	<0.005		<0.005	<0.005	<0.005	0.0017 (J)
8/28/2019		<0.005				
10/8/2019			<0.005		<0.005	0.0017 (J)
10/9/2019	<0.005	<0.005		<0.005		
4/7/2020			<0.005	<0.005		0.0018 (J)
4/8/2020	0.00094 (J)	0.00084 (J)			<0.005	
8/17/2020				<0.005	<0.005	
8/18/2020	<0.005		<0.005			0.0012 (J)
8/19/2020		<0.005				
9/28/2020					<0.005	
9/29/2020	<0.005		<0.005	<0.005		<0.005
10/1/2020		<0.005				
3/10/2021		<0.005	<0.005	<0.005		
3/15/2021	<0.005				<0.005	
3/16/2021						<0.005
9/21/2021			<0.005	<0.005	<0.005	
9/22/2021	<0.005	<0.005				0.0014 (J)
2/2/2022	<0.005	<0.005				0.0036 (J)
2/3/2022			<0.005	0.0016 (J)	0.0025 (J)	
8/30/2022				<0.005		<0.005
8/31/2022			<0.005		<0.005	
9/1/2022	<0.005	<0.005				
2/1/2023		<0.005	<0.005	<0.005	<0.005	
2/2/2023	<0.005					0.00261 (J)
8/29/2023	<0.005	<0.005			<0.005	
9/6/2023			0.00254 (J)	<0.005		0.00244 (J)
1/24/2024		<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.005			<0.005	<0.005	0.00216 (J)
8/21/2024	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/28/2025			0.00241 (J)			
1/29/2025	<0.005	<0.005		<0.005	<0.005	<0.005
7/29/2025			<0.005			
7/30/2025	<0.005	<0.005		<0.005	<0.005	0.00239 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.01	0.094	<0.005			
11/21/2000	<0.01	0.059	<0.005			
1/20/2001	<0.01	0.087	<0.005			
3/14/2001	<0.01	0.075	<0.005			
7/16/2001	<0.01	0.11	<0.005			
11/1/2001	<0.01	0.098	<0.005			
4/25/2002	<0.005	0.071	<0.005			
11/21/2002	<0.005	0.15	<0.005			
6/6/2003	<0.005	1.2 (O)	<0.005			
12/12/2003	<0.005	0.27 (O)	<0.005			
5/26/2004	<0.005	0.12				
5/27/2004			<0.005			
12/8/2004	<0.005	0.098	<0.005			
6/21/2005		0.065				
6/23/2005	<0.005		<0.005			
12/3/2005	<0.005					
12/4/2005		0.081				
12/5/2005			<0.005			
4/4/2006		0.077				
6/29/2006	<0.005	0.071	<0.005			
8/30/2006		0.08				
12/4/2006	<0.005	0.085	<0.005			
2/15/2007		0.09				
6/23/2007	<0.005	0.12	<0.005			
9/11/2007		0.088				
9/12/2007	<0.005		<0.005			
11/6/2007	<0.005	0.098	<0.005			
12/12/2007	<0.005	0.088	<0.005			
1/16/2008	<0.005	<0.016	<0.005			
3/11/2008		0.071				
3/12/2008	<0.005					
3/13/2008			<0.005			
6/4/2008			<0.005			
6/5/2008	<0.005	0.076				
6/24/2008	<0.005	0.097	<0.005			
7/31/2008	<0.005	0.1	<0.005			
11/3/2008		0.089				
12/5/2008	<0.005	0.092	<0.005			
3/25/2009		0.095				
7/8/2009	0.0052	0.11	<0.005			
9/14/2009		0.099				
12/20/2009	<0.005	0.1				
12/21/2009			<0.005			
3/4/2010		0.074				
6/20/2010	0.0068					
6/21/2010		0.056	<0.005	0.29	0.013	<0.005
9/14/2010		0.067				
1/7/2011	<0.005	0.066	<0.005	0.2	<0.005	<0.005
4/15/2011		0.08				
7/7/2011	<0.005	0.054				
7/8/2011			<0.005	0.19	<0.005	<0.005
9/25/2011		0.085				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.005					
1/18/2012		0.089	<0.005	0.058	<0.005	<0.005
4/4/2012		0.0473				
7/9/2012	<0.005					
7/10/2012		0.07	<0.005	0.18	<0.005	<0.005
10/9/2012		0.088				
1/18/2013	0.0089	0.063	<0.005	0.22	0.0061	<0.005
4/5/2013		0.06				
7/17/2013	0.011	0.063	<0.005	0.45	<0.005	<0.005
10/11/2013		0.059				
1/13/2014	0.017					
1/14/2014		0.077	<0.005	0.52	0.0061	<0.005
4/3/2014		0.091				
7/9/2014	0.014	0.08	<0.005		<0.005	
7/10/2014				0.4		0.0027 (J)
10/24/2014		0.073				
1/12/2015				0.43		
1/13/2015	0.011					
1/14/2015		0.079	<0.005		<0.005	<0.005
5/11/2015		0.058				
7/16/2015	0.02	0.068				
7/17/2015					<0.005	
7/18/2015			<0.005	0.26		<0.005
10/6/2015		0.078				
1/17/2016	0.014	0.089		0.34	0.0065	
1/18/2016			<0.005			<0.005
4/26/2016		0.0731				
7/27/2016	0.0303					
7/28/2016		0.0627		0.209	<0.005	
7/29/2016			0.0009 (J)			0.002 (J)
8/31/2016						0.0017 (J)
9/1/2016	0.0533	0.0551	<0.005	0.215	0.0039 (J)	
10/25/2016	0.0551	0.0466		0.307	<0.005	
10/26/2016			<0.005			<0.005
1/4/2017		0.0444		0.311	<0.005	<0.005
1/5/2017	0.0437		<0.005			
4/3/2017	0.0713					
4/4/2017				0.317	0.0031 (J)	
4/5/2017		0.0591	0.0011 (J)			
4/6/2017						0.0006 (J)
7/11/2017	0.0745			0.299		0.0012 (J)
7/12/2017		0.0776				
7/13/2017			0.0016 (J)		<0.005	
10/2/2017	0.0723			0.216		
10/3/2017		0.0813			<0.005	
10/4/2017			0.0019 (J)			0.0025 (J)
1/9/2018	0.0731				0.0033 (J)	
1/10/2018		0.085		0.347		
1/11/2018			0.0015 (J)			0.0006 (J)
7/9/2018				0.37		
7/10/2018	0.09	0.067			0.0027 (J)	
7/11/2018			0.00082 (J)			0.0011 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.005			
1/17/2019	0.13	0.079			0.0022 (J)	
1/18/2019						<0.005
1/21/2019				0.44		
3/25/2019				0.41		
3/26/2019	0.1	0.089	0.0015 (J)		0.0045 (J)	
3/27/2019						<0.005
8/27/2019	0.17					0.00044 (J)
8/28/2019		0.091	0.0011 (J)	0.43	0.002 (J)	
10/8/2019	0.13	0.088			0.0028 (J)	
10/9/2019			0.0011 (J)	0.35		<0.005
4/7/2020	0.24	0.091			<0.005	0.00043 (J)
4/8/2020			0.0013 (J)	0.33		
8/18/2020	0.28	0.045	<0.005	0.3	0.0059	<0.005
9/30/2020	0.24	0.044	0.0012 (J)	0.31	0.0029 (J)	<0.005
3/10/2021						<0.005
3/11/2021			0.0009 (J)			
3/12/2021	0.16			0.27		
3/16/2021		0.064			0.0098	
9/21/2021						<0.005
9/22/2021		0.081	<0.005	0.23	<0.005	
9/23/2021	0.21					
2/1/2022		0.095	<0.005	0.22	0.02	
2/3/2022	0.23					<0.005
8/30/2022				0.465	0.0271	
8/31/2022	0.259		<0.005			<0.005
9/1/2022		0.0987				
2/1/2023		0.115	<0.005	0.389		
2/2/2023	0.207				0.0323	<0.005
8/29/2023			<0.005			0.00216 (J)
9/6/2023		0.12		0.258	0.0323	
9/7/2023	0.287					
1/23/2024						<0.005
1/24/2024	0.177		<0.005	0.552		
1/25/2024		0.131			0.0319	
8/21/2024	0.183	0.131	<0.005	0.423		<0.005
8/22/2024					0.00929	
1/28/2025			0.00286 (J)			<0.005
1/29/2025	0.253	0.143		0.196	0.0307	
7/29/2025			<0.005	0.186		<0.005
7/30/2025	0.325	0.17			0.028	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			<0.005	
1/21/2021	<0.005	<0.005		
3/11/2021	<0.005	<0.005	0.00092 (J)	0.001 (J)
9/21/2021				<0.005
9/22/2021	<0.005	<0.005		
9/23/2021			<0.005	
2/1/2022		<0.005		
2/2/2022				0.0015 (J)
2/3/2022	<0.005		<0.005	
8/31/2022	<0.005		<0.005	
9/1/2022		<0.005		
2/1/2023	<0.005			
2/2/2023		<0.005	<0.005	
9/6/2023	<0.005	<0.005		
9/7/2023			<0.005	
1/24/2024	<0.005			
1/25/2024		<0.005	<0.005	<0.005
8/20/2024				<0.005
8/21/2024	<0.005	<0.005	<0.005	
1/28/2025				<0.005
1/29/2025	<0.005	<0.005	<0.005	
7/29/2025	<0.005			<0.005
7/30/2025		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	0.11	0.16	0.16	0.22	0.16	0.044
11/21/2000	0.12		0.16	0.13	0.21	0.047
1/20/2001	0.11	0.18	0.21	0.19	0.23	0.051
3/14/2001	0.11	0.14	0.18	0.27	0.22	0.048
7/16/2001	0.11	0.14	0.18	0.37	0.22	0.054
11/1/2001	0.11	0.14				0.063
11/2/2001			0.15	0.61 (O)	0.23	
4/25/2002						0.032
4/26/2002	0.058	0.088	0.16	0.19	0.15	
6/6/2003	0.19	0.14	0.29	0.72 (O)	0.13	0.046
12/12/2003	0.1	0.13	0.18	0.054	0.034	
12/17/2003						0.034
5/26/2004	0.084	0.09	0.16	0.18	0.13	0.035
12/8/2004	0.094	0.11				0.024
12/10/2004			0.16	0.24	0.13	
6/21/2005	0.089	0.084	0.15	0.2	0.07	0.039
12/3/2005	0.089	0.1				
12/4/2005						0.042
12/5/2005			0.15	0.074	0.04	
4/4/2006		0.089				
6/27/2006	0.096	0.1	0.19	0.075		0.033
6/29/2006					0.041	
8/30/2006		0.12				
12/3/2006	0.092	0.086				
12/4/2006			0.26	0.092	0.042	0.04
2/15/2007		0.088				
6/23/2007	0.08	0.089	0.24	0.089	0.12	0.044
9/11/2007		0.092				
9/12/2007			0.31	0.087		0.054
9/14/2007	0.078				0.11	
11/7/2007			0.24	0.074		0.059
11/8/2007	0.067	0.085			0.11	
12/11/2007	0.067	0.077			0.12	
12/12/2007			0.21	0.072		0.049
1/17/2008			0.13	0.07	0.03	0.058
1/18/2008	0.071	0.084				
3/11/2008		0.082				
3/12/2008			0.24			0.052
3/13/2008	0.061			0.059	0.11	
6/4/2008	0.06	0.072		0.046		0.04
6/5/2008			0.11		0.03	
6/23/2008	0.056	0.086				
6/24/2008			0.13	0.049	0.17	0.038
7/29/2008	0.055	0.084				
7/30/2008			0.1	0.065	0.1	
7/31/2008						0.047
11/3/2008		0.088				
12/4/2008	0.054	0.081				
12/5/2008			0.12	0.067	0.093	0.06
3/25/2009		0.069				
7/7/2009	0.034	0.078	0.17	0.04	0.06	0.043
9/14/2009		0.079				

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
12/20/2009	0.034	0.081				0.065
12/21/2009			0.2	0.044	0.11	
3/4/2010		0.065				
6/20/2010	0.062	0.078		0.036	0.11	0.095
6/21/2010			0.22			
9/14/2010		0.076				
1/6/2011				0.075		0.093
1/7/2011	0.039	0.074	0.12		0.025	
4/15/2011		0.065				
7/7/2011	0.036	0.081		0.13	0.025	0.095
7/8/2011			0.15			
9/25/2011		0.078				
1/17/2012	0.041	0.082		0.21		0.1
1/18/2012			0.15		0.03	
4/4/2012		0.0861				
7/9/2012	0.15			0.2		0.11
7/10/2012		0.082	0.14		0.028	
10/9/2012		0.09				
1/17/2013				0.19		0.12
1/18/2013	0.15	0.083	0.15		0.058	
4/5/2013		0.078				
7/16/2013				0.076		0.081
7/17/2013	0.13	0.083	0.14		0.086	
10/11/2013		0.078				
1/13/2014	0.16			0.14		0.096
1/14/2014		0.081	0.16		0.1	
4/3/2014		0.077				
7/9/2014	0.11	0.073	0.12	0.12	0.082	0.066
10/24/2014		0.087				
1/12/2015			0.13			
1/13/2015	0.083			0.13		0.068
1/14/2015		0.079			0.094	
5/10/2015		0.076				
7/16/2015	0.094		0.11	0.12		0.07
7/17/2015		0.061			0.11	
10/6/2015		0.067				
1/17/2016						0.062
1/18/2016	0.22	0.068	0.095	0.12	0.11	
4/26/2016		0.0596				
7/27/2016	0.192			0.112		0.0417
7/28/2016		0.0701			0.105	
7/29/2016			0.0883			
8/30/2016		0.0687		0.135	0.106	0.0545
9/1/2016	0.415 (O)		0.123			
10/24/2016		0.07				
10/25/2016	0.173					0.0504
10/26/2016			0.0863	0.103	0.107	
1/3/2017		0.061		0.118		
1/4/2017						0.0534
1/5/2017					0.107	
1/6/2017	0.167		0.0758			
4/3/2017		0.0612				

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
4/4/2017			0.091			0.0549
4/6/2017	0.136			0.162	0.111	
7/11/2017		0.0624				
7/12/2017			0.0941	0.157	0.106	0.0614
7/13/2017	0.0891					
10/2/2017		0.0618				
10/3/2017				0.127	0.105	0.0436
10/4/2017	0.113		0.0994			
1/9/2018	0.0901	0.0574			0.0969	
1/10/2018				0.158		0.053
1/11/2018			0.088			
7/9/2018		0.056				
7/10/2018				0.31	0.087	0.059
7/11/2018	0.065		0.071			
1/16/2019	0.062	0.062	0.083	0.054	0.013 (J)	0.054
3/25/2019	0.054	0.064	0.077			
3/26/2019				0.057	0.012 (J)	0.055
8/26/2019	0.11	0.065				
8/27/2019			0.076		0.013	0.054
8/28/2019				0.1		
10/7/2019		0.069				
10/8/2019	0.1					
10/9/2019			0.076	0.13	0.014 (J)	0.058
4/6/2020	0.072	0.057				
4/7/2020			0.09	0.098	0.01 (J)	0.05
8/17/2020		0.051				
8/19/2020	0.1		0.076	0.1	0.064	0.057
9/28/2020	0.095	0.05				0.051
9/30/2020				0.16	0.092	
10/1/2020			0.077			
3/10/2021			0.07	0.096	0.027	0.052
3/11/2021	0.07					
3/12/2021		0.052				
9/21/2021	0.073	0.049	0.098	0.076	0.077	
9/23/2021						0.062
1/31/2022	0.1	0.051				
2/2/2022			0.17		0.026	
2/3/2022				0.062		0.051
8/30/2022	0.133	0.0512	0.134	0.051	0.0266	
9/1/2022						0.0583
1/31/2023	0.126	0.0499				
2/1/2023				0.101	0.0233	
2/2/2023			0.101			0.0466
8/28/2023	0.177	0.0483				
8/29/2023			0.16	0.0643	0.0196	0.0637
1/23/2024	0.236	0.0571			0.0239	0.0531
2/7/2024			0.178			
2/8/2024				0.168		
8/19/2024	0.201					
8/20/2024			0.214		0.028	0.0452
8/21/2024		0.0576		0.0921		
1/27/2025		0.0536				

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/28/2025	0.203		0.166		0.0197	
1/29/2025				0.153		0.0531
7/28/2025	0.209	0.0537	0.202			
7/29/2025					0.0207	0.0467
7/30/2025				0.129		

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		0.093	0.1	0.075	<0.005	0.11
11/21/2000	0.046	0.095	0.082	0.072	0.01	0.15
1/20/2001	0.036	0.089	0.083	0.086	<0.005	0.1
3/14/2001	0.03	0.088	0.075	0.088	0.01	0.095
7/16/2001	0.032	0.096	0.091	0.084	<0.005	0.28 (O)
11/1/2001	0.029		0.068	0.13	<0.005	0.16
11/2/2001		0.094				
4/25/2002	0.021					0.054
4/26/2002		0.085	0.066	0.24 (O)	<0.005	
6/6/2003	0.032					0.063
6/7/2003		0.09	0.085	0.28 (O)	0.028	
12/12/2003	0.021	0.084	0.072	0.27 (O)	0.019	0.041
5/27/2004	0.035	0.08	0.055	0.31 (O)	<0.005	0.059
12/8/2004	0.031			0.46 (O)		0.076
12/9/2004		0.098	0.066		0.009	
6/22/2005		0.084	0.033	0.053	0.0089	
6/23/2005	0.028					0.042
12/3/2005	0.024					0.048
12/4/2005			0.034			
12/5/2005		0.07		0.1	0.026	
4/4/2006						0.05
6/28/2006			0.029			
6/29/2006	0.03	0.083		0.098	0.029	0.036
8/30/2006						0.059
12/3/2006		0.072	0.02	0.068	0.017	
12/4/2006	0.031					0.062
2/15/2007						0.079
6/23/2007	0.037	0.087	0.017	0.042	0.014	0.03
9/11/2007						0.053
9/12/2007	0.036					
9/13/2007		0.082	0.014	0.037	0.0097	
11/6/2007	0.036					0.065
11/7/2007				0.04	0.01	
11/8/2007		0.084	0.015			
12/11/2007		0.082	0.013	0.04	0.011	
12/12/2007	0.034					0.075
1/15/2008			0.014	0.04	0.011	
1/16/2008	0.031	0.081				0.038
3/11/2008				0.034	0.01	0.052
3/12/2008	0.031	0.081				
3/13/2008			0.013			
6/3/2008			0.012	0.034	0.028	
6/4/2008		0.1				
6/5/2008	0.037					0.076
6/23/2008		0.1	0.012	0.041	0.018	
6/24/2008	0.038					0.039
7/29/2008		0.089	0.01			
7/30/2008				0.033	0.016	
7/31/2008	0.036					0.033
11/3/2008						0.082
12/4/2008	0.038	0.12	0.011	0.035	0.019	0.079
3/25/2009						0.093

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
7/8/2009	0.053	0.14	0.012	0.036	0.011	0.039
9/14/2009						0.061
12/20/2009	0.047					0.088
12/21/2009		0.15	0.011	0.028	0.01	
3/4/2010						0.077
6/20/2010	0.046	0.21	0.0089	0.025	0.0081	0.075
9/14/2010						0.093
1/6/2011	0.063		0.014		0.012	
1/7/2011		0.2		0.037		0.13
4/15/2011						0.086
7/7/2011	0.06		0.018	0.039	0.015	0.051
7/8/2011		0.18				
9/25/2011						0.056
1/17/2012	0.06		0.23	0.045	0.0086	0.052
1/18/2012		0.18				
4/4/2012						0.0519
7/9/2012	0.05		0.17	0.032	0.01	0.048
7/10/2012		0.16				
10/9/2012						0.065
1/17/2013	0.058		0.2	0.033	0.014	
1/18/2013		0.19				0.045
4/5/2013						0.047
7/16/2013			0.11	0.027	0.012	
7/17/2013	0.041	0.17				0.032
10/11/2013						0.028
1/13/2014	0.058		0.083	0.027	0.015	
1/14/2014		0.2				0.036
4/3/2014						0.038
7/8/2014			0.066	0.037	0.017	
7/9/2014	0.048	0.16				0.03
10/24/2014						0.025
1/13/2015	0.048		0.053	0.023	0.019	
1/14/2015		0.17				0.04
5/10/2015						0.026
7/16/2015	0.048		0.052	0.03	0.022	
7/17/2015		0.18				0.029
10/6/2015						0.03
1/17/2016	0.049					0.038
1/18/2016		0.2		0.032	0.026	
1/19/2016			0.048			
4/26/2016						0.025
7/26/2016			0.051		0.0236	
7/27/2016	0.0796			0.0191		0.0248
7/28/2016		0.234				
8/31/2016	0.0429	0.284	0.0565	0.019	0.0273	
9/1/2016						0.0346
10/25/2016						0.0248
10/26/2016	0.113 (O)		0.0591	0.0197	0.0238	
10/27/2016		0.244				
1/4/2017			0.0598	0.0174		
1/5/2017	0.0526				0.0218	0.0245
1/6/2017		0.305				

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
4/4/2017	0.0503					0.0342
4/5/2017				0.0174		
4/6/2017		0.249	0.0813		0.0204	
7/10/2017				0.0172		
7/11/2017			0.0302			0.0276
7/12/2017		0.256			0.0161	
7/13/2017	0.0529					
10/2/2017						0.0274
10/3/2017	0.057		0.103			
10/4/2017		0.356		0.0162	0.0185	
1/9/2018						0.0222
1/10/2018	0.0527				0.0166	
1/11/2018		0.226	0.166	0.018		
7/9/2018						0.026
7/10/2018	0.054					
7/11/2018		0.29	0.12	0.014	0.019	
1/16/2019					0.019	0.028
1/17/2019			0.039	0.017		
1/18/2019		0.21				
1/21/2019	0.05					
3/26/2019					0.026	0.034
3/27/2019		0.19	0.053	0.017		
7/30/2019	0.052					
8/27/2019	0.053		0.12	0.017	0.024	0.067
8/28/2019		0.17				
10/8/2019			0.13		0.024	0.085
10/9/2019	0.05	0.18		0.019		
4/7/2020			0.14	0.017		0.073
4/8/2020	0.061	0.15			0.027	
8/17/2020				0.018	0.024	
8/18/2020	0.05		0.12			0.028
8/19/2020		0.17				
9/28/2020					0.029	
9/29/2020	0.049		0.14	0.018		0.026
10/1/2020		0.15				
3/10/2021		0.15	0.13	0.028		
3/15/2021	0.053				0.034	
3/16/2021						0.037
9/21/2021			0.12	0.023	0.037	
9/22/2021	0.047	0.15				0.11
2/2/2022	0.052	0.15				0.1
2/3/2022			0.17	0.025	0.038	
8/30/2022				0.0275		0.0773
8/31/2022			0.115		0.0379	
9/1/2022	0.0508	0.151				
2/1/2023		0.128	0.146	0.0256	0.0367	
2/2/2023	0.0461					0.0617
8/29/2023	0.0452	0.138			0.0712	
9/6/2023			0.192	0.0273		0.0833
1/24/2024		0.134	0.146			
1/25/2024	0.0505			0.0267	0.0607	0.0418
8/21/2024	0.0506	0.149	0.126	0.0236	0.0526	0.0355

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/28/2025			0.132			
1/29/2025	0.0486	0.163		0.0209	0.055	0.108
7/29/2025			0.111			
7/30/2025	0.0484	0.173		0.019	0.0564	0.0931

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	0.028	0.076	0.16			
11/21/2000	0.035	0.075	0.17			
1/20/2001	0.032	0.053	0.16			
3/14/2001	0.036	0.055	0.17			
7/16/2001	0.036	0.041	0.19			
11/1/2001	0.036	0.045	0.18			
4/25/2002	0.045	0.055	0.15			
6/6/2003	0.083	0.48 (O)	0.13			
12/12/2003	0.094	0.13	0.18			
5/26/2004	0.034	0.055				
5/27/2004			0.17			
12/8/2004	0.042	0.072	0.19			
6/21/2005		0.061				
6/23/2005	0.039		0.18			
12/3/2005	0.043					
12/4/2005		0.047				
12/5/2005			0.17			
4/4/2006		0.042				
6/29/2006	0.031	0.042	0.17			
8/30/2006		0.05				
12/4/2006	0.043	0.044	0.21			
2/15/2007		0.041				
6/23/2007	0.031	0.044	0.17			
9/11/2007		0.04				
9/12/2007	0.044		0.18			
11/6/2007	0.04	0.035	0.19			
12/12/2007	0.044	0.0035	0.18			
1/16/2008	0.041	0.092	0.18			
3/11/2008		0.034				
3/12/2008	0.034					
3/13/2008			0.17			
6/4/2008			0.2			
6/5/2008	0.037	0.043				
6/24/2008	0.057	0.042	0.14			
7/31/2008	0.036	0.042	0.12			
11/3/2008		0.049				
12/5/2008	0.041	0.05	0.19			
3/25/2009		0.052				
7/8/2009	0.058	0.046	0.2			
9/14/2009		0.048				
12/20/2009	0.062	0.062				
12/21/2009			0.23			
3/4/2010		0.058				
6/20/2010	0.03					
6/21/2010		0.041	0.25	0.062	0.16	0.11
9/14/2010		0.036				
1/7/2011	0.049	0.054	0.21	0.039	0.095	0.12
4/15/2011		0.049				
7/7/2011	0.05	0.063				
7/8/2011			0.13	0.043	0.1	0.094
9/25/2011		0.037				
1/17/2012	0.044					

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/18/2012		0.034	0.26	0.042	0.12	0.087
4/4/2012		0.0446				
7/9/2012	0.045					
7/10/2012		0.033	0.19	0.039	0.097	0.1
10/9/2012		0.041				
1/18/2013	0.049	0.036	0.17	0.04	0.1	0.078
4/5/2013		0.036				
7/17/2013	0.039	0.054	0.18	0.055	0.069	0.062
10/11/2013		0.052				
1/13/2014	0.038					
1/14/2014		0.051	0.18	0.059	0.086	0.073
4/3/2014		0.047				
7/9/2014	0.031	0.08	0.16		0.065	
7/10/2014				0.067		0.13
10/24/2014		0.072				
1/12/2015				0.061		
1/13/2015	0.041					
1/14/2015		0.047	0.16		0.084	0.065
5/11/2015		0.053				
7/16/2015	0.041	0.059				
7/17/2015					0.071	
7/18/2015			0.012	0.13		0.073
10/6/2015		0.053				
1/17/2016	0.048	0.056		0.08	0.079	
1/18/2016			0.13			0.062
4/26/2016		0.0721				
7/27/2016	0.0487					
7/28/2016		0.0534		0.164	0.0626	
7/29/2016			0.181			0.0575
8/31/2016						0.0693
9/1/2016	0.0403	0.0445	0.203	0.0976	0.077	
10/25/2016	0.0329	0.0464		0.0702	0.0217	
10/26/2016			0.177			0.0966
1/4/2017		0.0379		0.0999	0.0617	0.0975
1/5/2017	0.0392		0.142			
4/3/2017	0.0439					
4/4/2017				0.136	0.0761	
4/5/2017		0.0534	0.106			
4/6/2017						0.064
7/11/2017	0.051			0.145		0.0778
7/12/2017		0.0944				
7/13/2017			0.0686		0.0428	
10/2/2017	0.047			0.148		
10/3/2017		0.135			0.0376	
10/4/2017			0.0589			0.156
1/9/2018	0.0431				0.0704	
1/10/2018		0.0603		0.0788		
1/11/2018			0.0412			0.0702
7/9/2018				0.087		
7/10/2018	0.047	0.16			0.061	
7/11/2018			0.049			0.12
1/16/2019			0.063			

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2019	0.042	0.13			0.061	
1/18/2019						0.052
1/21/2019				0.069		
3/25/2019				0.085		
3/26/2019	0.047	0.14	0.025		0.084	
3/27/2019						0.057
8/27/2019	0.049					0.097
8/28/2019		0.09	0.026	0.078	0.063	
10/8/2019	0.057	0.13			0.079	
10/9/2019			0.032	0.078		0.065
4/7/2020	0.033	0.13			0.054	0.1
4/8/2020			0.055	0.19		
8/18/2020	0.03	0.32	0.074	0.38	0.18	0.085
9/30/2020	0.034	0.14	0.035	0.35	0.19	0.045
3/10/2021						0.049
3/11/2021			0.044			
3/12/2021	0.038			0.34		
3/16/2021		0.16			0.18	
9/21/2021						0.036
9/22/2021		0.26	0.058	0.42	0.046	
9/23/2021	0.062					
2/1/2022		0.23	0.055	0.36	0.24	
2/3/2022	0.061					0.038
8/30/2022				0.21	0.191	
8/31/2022	0.055		0.0375			0.0741
9/1/2022		0.165				
2/1/2023		0.163	0.0262	0.194		
2/2/2023	0.0557				0.196	0.0456
8/29/2023			0.0295			0.127
9/6/2023		0.143		0.178	0.232	
9/7/2023	0.0573					
1/23/2024						0.0372
1/24/2024	0.0529		0.029	0.109		
1/25/2024		0.119			0.203	
8/21/2024	0.0541	0.111	0.0254	0.226		0.0362
8/22/2024					0.291	
1/28/2025			0.0275			0.0297
1/29/2025	0.0616	0.129		0.278	0.26	
7/29/2025			0.0311	0.297		0.199
7/30/2025	0.0553	0.105			0.172	

Time Series

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	0.076	0.047	0.03	0.037
9/21/2021				0.027
9/22/2021	0.076	0.038		
9/23/2021			0.024	
2/1/2022		0.036		
2/2/2022				0.026
2/3/2022	0.079		0.024	
8/31/2022	0.0765		0.0216	
9/1/2022		0.0267		
2/1/2023	0.06			
2/2/2023		0.0268	0.0253	
9/6/2023	0.0732	0.034		
9/7/2023			0.029	
1/24/2024	0.0554			
1/25/2024		0.027	0.0233	0.0287
8/20/2024				0.0297
8/21/2024	0.0642	0.028	0.0253	
1/28/2025				0.0277
1/29/2025	0.0555	0.0278	0.0277	
7/29/2025	0.0554			0.0282
7/30/2025		0.0256	0.0255	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/21/2000	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
1/20/2001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/14/2001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
7/16/2001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2001	<0.0005	<0.0005				<0.0005
11/2/2001			<0.0005	<0.0005	<0.0005	
4/25/2002						<0.0005
4/26/2002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9/11/2007		<0.0005				
9/12/2007			<0.0005	<0.0005		<0.0005
9/14/2007	<0.0005				<0.0005	
11/7/2007			<0.0005	<0.0005		<0.0005
11/8/2007	<0.0005	<0.0005			<0.0005	
1/17/2008			<0.0005	<0.0005	<0.0005	<0.0005
1/18/2008	<0.0005	<0.0005				
3/11/2008		<0.0005				
3/12/2008			<0.0005			<0.0005
3/13/2008	<0.0005			<0.0005	<0.0005	
6/4/2008	<0.0005	<0.0005		<0.0005		<0.0005
6/5/2008			<0.0005		<0.0005	
7/29/2008	<0.0005	<0.0005				
7/30/2008			<0.0005	<0.0005	<0.0005	
7/31/2008						<0.0005
8/30/2016		0.0002 (J)		0.0002 (J)	<0.0005	<0.0005
9/1/2016	0.0017 (J)		0.0004 (J)			
10/24/2016		<0.0005				
10/25/2016	0.0002 (J)					<0.0005
10/26/2016			0.0001 (J)	0.0001 (J)	<0.0005	
1/3/2017		0.0002 (J)		0.0001 (J)		
1/4/2017						<0.0005
1/5/2017					<0.0005	
1/6/2017	0.0003 (J)		0.0001 (J)			
4/3/2017		0.0002 (J)				
4/4/2017			0.0001 (J)			<0.0005
4/6/2017	0.0004 (J)			0.0003 (J)	<0.0005	
7/11/2017		0.0002 (J)				
7/12/2017			<0.0005	0.0002 (J)	<0.0005	<0.0005
7/13/2017	0.001 (J)					
10/2/2017		0.0002 (J)				
10/3/2017				0.0002 (J)	<0.0005	<0.0005
10/4/2017	0.0002 (J)		0.0001 (J)			
1/9/2018	<0.0005	0.0002 (J)			<0.0005	
1/10/2018				0.0003 (J)		<0.0005
1/11/2018			0.0001 (J)			
7/9/2018		0.0002 (J)				
7/10/2018				0.00028 (J)	<0.0005	<0.0005
7/11/2018	<0.0005		<0.0005			
1/16/2019						<0.0005
8/26/2019	<0.0005	0.00021 (J)				
8/27/2019			<0.0005		<0.0005	<0.0005
8/28/2019				7.6E-05 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
10/7/2019		0.00024 (J)				
10/8/2019	<0.0005					
10/9/2019			<0.0005	<0.0005	<0.0005	<0.0005
4/6/2020	<0.0005	0.00017 (J)				
4/7/2020			<0.0005	<0.0005	<0.0005	<0.0005
8/17/2020		0.00019 (J)				
8/19/2020	<0.0005		<0.0005	<0.0005	5E-05 (J)	<0.0005
9/28/2020	<0.0005	0.00021 (J)				<0.0005
9/30/2020				6.5E-05 (J)	4.6E-05 (J)	
10/1/2020			<0.0005			
3/10/2021			<0.0005	8.2E-05 (J)	<0.0005	<0.0005
3/11/2021	0.00028 (J)					
3/12/2021		0.00023 (J)				
9/21/2021	<0.0005	0.00016 (J)	<0.0005	9.9E-05 (J)	<0.0005	
9/23/2021						<0.0005
1/31/2022	<0.0005	0.00016 (J)				
2/2/2022			<0.0005		<0.0005	
2/3/2022				0.00014 (J)		<0.0005
8/30/2022	0.000219 (J)	<0.0005	<0.0005	<0.0005	<0.0005	
9/1/2022						<0.0005
1/31/2023	<0.0005	0.000206 (J)				
2/1/2023				<0.0005	<0.0005	
2/2/2023			<0.0005			<0.0005
8/28/2023	<0.0005	<0.0005				
8/29/2023			<0.0005	<0.0005	<0.0005	<0.0005
1/23/2024	<0.0005	<0.0005			<0.0005	<0.0005
2/7/2024			<0.0005			
2/8/2024				<0.0005		
8/19/2024	<0.0005					
8/20/2024			<0.0005		<0.0005	<0.0005
8/21/2024		<0.0005		<0.0005		
1/27/2025		<0.0005				
1/28/2025	<0.0005		<0.0005		<0.0005	
1/29/2025				<0.0005		<0.0005
7/28/2025	<0.0005	0.000227 (J)	<0.0005			
7/29/2025					<0.0005	<0.0005
7/30/2025				<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
11/21/2000	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
1/20/2001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
3/14/2001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
7/16/2001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
11/1/2001	<0.0005		<0.0005	<0.0013	<0.0005	<0.0005
11/2/2001		<0.0005				
4/25/2002	<0.0005					<0.0005
4/26/2002		<0.0005	<0.0005	<0.0013	<0.0005	
9/11/2007						<0.0005
9/12/2007	<0.0005					
9/13/2007		<0.0005	<0.0005	<0.0013	<0.0005	
11/6/2007	<0.0005					<0.0005
11/7/2007				<0.0013	<0.0005	
11/8/2007		<0.0005	<0.0005			
1/15/2008			<0.0005	<0.0013	<0.0005	
1/16/2008	<0.0005	<0.0005				<0.0005
3/11/2008				<0.0013	<0.0005	<0.0005
3/12/2008	<0.0005	<0.0005				
3/13/2008			<0.0005			
6/3/2008			<0.0005	<0.0013	<0.0005	
6/4/2008		<0.0005				
6/5/2008	<0.0005					<0.0005
7/29/2008		<0.0005	<0.0005			
7/30/2008				<0.0013	<0.0005	
7/31/2008	<0.0005					<0.0005
8/31/2016	<0.0005	0.0003 (J)	<0.0005	0.0011 (J)	<0.0005	
9/1/2016						0.0001 (J)
10/25/2016						<0.0005
10/26/2016	0.0003 (J)		<0.0005	0.0011 (J)	<0.0005	
10/27/2016		0.0003 (J)				
1/4/2017			<0.0005	0.0009 (J)		
1/5/2017	<0.0005				<0.0005	<0.0005
1/6/2017		0.0002 (J)				
4/4/2017	9E-05 (J)					9E-05 (J)
4/5/2017				0.0008 (J)		
4/6/2017		0.0003 (J)	<0.0005		<0.0005	
7/10/2017				0.0008 (J)		
7/11/2017			<0.0005			<0.0005
7/12/2017		0.0003 (J)			<0.0005	
7/13/2017	<0.0005					
10/2/2017						<0.0005
10/3/2017	<0.0005		<0.0005			
10/4/2017		0.0002 (J)		0.0006 (J)	<0.0005	
1/9/2018						<0.0005
1/10/2018	<0.0005				<0.0005	
1/11/2018		0.0003 (J)	<0.0005	0.0006 (J)		
7/9/2018						6.2E-05 (J)
7/10/2018	<0.0005					
7/11/2018		0.0003 (J)	<0.0005	0.00061 (J)	5.8E-05 (J)	
3/26/2019					<0.0005	
7/30/2019	<0.0005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/27/2019	<0.0005		<0.0005	0.00047 (J)	<0.0005	<0.0005
8/28/2019		0.00022 (J)				
10/8/2019			<0.0005		<0.0005	<0.0005
10/9/2019	<0.0005	0.00023 (J)		0.00046 (J)		
4/7/2020			<0.0005	0.00051 (J)		<0.0005
4/8/2020	8.8E-05 (J)	0.00019 (J)			<0.0005	
8/17/2020				0.00046 (J)	<0.0005	
8/18/2020	5.1E-05 (J)		<0.0005			<0.0005
8/19/2020		0.00022 (J)				
9/28/2020					<0.0005	
9/29/2020	7.5E-05 (J)		<0.0005	0.00043 (J)		<0.0005
10/1/2020		0.0002 (J)				
3/10/2021		0.00019 (J)	4.7E-05 (J)	0.00054		
3/15/2021	7.3E-05 (J)				<0.0005	
3/16/2021						<0.0005
9/21/2021			<0.0005	0.00047 (J)	<0.0005	
9/22/2021	<0.0005	0.00017 (J)				<0.0005
2/2/2022	<0.0005	0.00018 (J)				<0.0005
2/3/2022			<0.0005	0.00056	<0.0005	
8/30/2022				0.000663		<0.0005
8/31/2022			<0.0005		<0.0005	
9/1/2022	<0.0005	<0.0005				
2/1/2023		0.000215 (J)	<0.0005	0.000634	<0.0005	
2/2/2023	<0.0005					<0.0005
8/29/2023	<0.0005	<0.0005			<0.0005	
9/6/2023			<0.0005	0.000521		<0.0005
1/24/2024		<0.0005	<0.0005			
1/25/2024	<0.0005			0.000534	<0.0005	<0.0005
8/21/2024	<0.0005	0.00021 (J)	<0.0005	0.000587	<0.0005	<0.0005
1/28/2025			<0.0005			
1/29/2025	<0.0005	0.00024 (J)		0.000576	<0.0005	<0.0005
7/29/2025			<0.0005			
7/30/2025	<0.0005	0.000212 (J)		0.000339 (J)	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.0005	<0.0005	<0.0013			
11/21/2000	<0.0005	<0.0005	<0.0013			
1/20/2001	<0.0005	<0.0005	<0.0013			
3/14/2001	<0.0005	<0.0005	<0.0013			
7/16/2001	<0.0005	<0.0005	<0.0013			
11/1/2001	<0.0005	<0.0005	<0.0013			
4/25/2002	<0.0005	<0.0005	<0.0013			
9/11/2007		<0.0005				
9/12/2007	<0.0005		<0.0013			
11/6/2007	<0.0005	<0.0005	<0.0013			
1/16/2008	<0.0005	<0.0005	<0.0013			
3/11/2008		<0.0005				
3/12/2008	<0.0005					
3/13/2008			<0.0013			
6/4/2008			<0.0013			
6/5/2008	<0.0005	<0.0005				
7/31/2008	<0.0005	<0.0005	<0.0013			
8/31/2016						0.0002 (J)
9/1/2016	<0.0005	0.0001 (J)	0.0014 (J)	<0.0005	<0.0005	
10/25/2016	<0.0005	<0.0005		<0.0005	<0.0005	
10/26/2016			0.0016 (J)			0.0002 (J)
1/4/2017		9E-05 (J)		<0.0005	<0.0005	0.0001 (J)
1/5/2017	<0.0005		0.0019 (J)			
4/3/2017	<0.0005					
4/4/2017				<0.0005	<0.0005	
4/5/2017		9E-05 (J)	0.0024 (J)			
4/6/2017						<0.0005
7/11/2017	<0.0005			<0.0005		<0.0005
7/12/2017		<0.0005				
7/13/2017			0.0034		<0.0005	
10/2/2017	<0.0005			<0.0005		
10/3/2017		<0.0005			<0.0005	
10/4/2017			0.0037			0.0001 (J)
1/9/2018	<0.0005				<0.0005	
1/10/2018		0.0001 (J)		<0.0005		
1/11/2018			0.0033			<0.0005
7/9/2018				<0.0005		
7/10/2018	<0.0005	6E-05 (J)			<0.0005	
7/11/2018			0.0038			7E-05 (J)
8/27/2019	<0.0005					9E-05 (J)
8/28/2019		8E-05 (J)	0.0017 (J)	<0.0005	<0.0005	
10/8/2019	<0.0005	9.8E-05 (J)			<0.0005	
10/9/2019			0.0018 (J)	<0.0005		<0.0005
4/7/2020	<0.0005	<0.0005			<0.0005	<0.0005
4/8/2020			0.0017 (J)	<0.0005		
8/18/2020	<0.0005	6.8E-05 (J)	0.0016 (J)	<0.0005	<0.0005	7.6E-05 (J)
9/30/2020	<0.0005	8.9E-05 (J)	0.0013 (J)	<0.0005	<0.0005	<0.0005
3/10/2021						<0.0005
3/11/2021			0.0012			
3/12/2021	<0.0005			<0.0005		
3/16/2021		<0.0005			<0.0005	
9/21/2021						<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/22/2021		6E-05 (J)	0.0017	<0.0005	<0.0005	
9/23/2021	<0.0005					
2/1/2022		<0.0005	0.002	<0.0005	<0.0005	
2/3/2022	<0.0005					<0.0005
8/30/2022				<0.0005	<0.0005	
8/31/2022	<0.0005		0.00258			<0.0005
9/1/2022		<0.0005				
2/1/2023		<0.0005	0.00206	<0.0005		
2/2/2023	<0.0005				<0.0005	<0.0005
8/29/2023			0.00174			<0.0005
9/6/2023		<0.0005		<0.0005	<0.0005	
9/7/2023	<0.0005					
1/23/2024						<0.0005
1/24/2024	<0.0005		0.00158	<0.0005		
1/25/2024		<0.0005			<0.0005	
8/21/2024	<0.0005	<0.0005	0.00186	<0.0005		<0.0005
8/22/2024					<0.0005	
1/28/2025			0.00148			<0.0005
1/29/2025	<0.0005	<0.0005		<0.0005	<0.0005	
7/29/2025			0.00164	<0.0005		<0.0005
7/30/2025	<0.0005	<0.0005			<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.0005	<0.0005	8.4E-05 (J)	0.0001 (J)
9/21/2021				7.3E-05 (J)
9/22/2021	<0.0005	<0.0005		
9/23/2021			<0.0005	
2/1/2022		<0.0005		
2/2/2022				8.8E-05 (J)
2/3/2022	<0.0005		<0.0005	
8/31/2022	<0.0005		<0.0005	
9/1/2022		<0.0005		
2/1/2023	<0.0005			
2/2/2023		<0.0005	<0.0005	
9/6/2023	<0.0005	<0.0005		
9/7/2023			<0.0005	
1/24/2024	<0.0005			
1/25/2024		<0.0005	<0.0005	<0.0005
8/20/2024				<0.0005
8/21/2024	<0.0005	<0.0005	<0.0005	
1/28/2025				<0.0005
1/29/2025	<0.0005	<0.0005	<0.0005	
7/29/2025	<0.0005			<0.0005
7/30/2025		<0.0005	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		0.117		1.09	1.41	0.875
9/1/2016	11.6		6.48			
10/24/2016		0.126				
10/25/2016	21.4					1.22
10/26/2016			7.57	2.5	1.83	
1/3/2017		0.124		3.39		
1/4/2017						1.3
1/5/2017					3.07	
1/6/2017	20.1		8.34			
4/3/2017		0.105				
4/4/2017			8.18			1.19
4/6/2017	21.8			2.76	3.19	
7/11/2017		0.136				
7/12/2017			7.51	3.55	3.06	1.37
7/13/2017	16.3					
10/2/2017		0.107				
10/3/2017				2.72	2.69	0.765
10/4/2017	21.5		8.88			
1/9/2018	13.9	0.123			2.81	
1/10/2018				3.21		0.876
1/11/2018			6.95			
7/9/2018		0.11				
7/10/2018				7	2.9	0.94
7/11/2018	11.7		6.4			
1/16/2019	9.3	0.13	5.3	5	7.7	0.91
3/25/2019	8.5	0.098	4.4			
3/26/2019				4	7.4	0.77
10/7/2019		0.12				
10/8/2019	6.4					
10/9/2019			5.7	6.8	6.3	0.93
4/6/2020	6.1	0.14				
4/7/2020			5.5	4.6	5.6	1
9/28/2020	4.6	0.15				0.69
9/30/2020				4	4.2	
10/1/2020			5.2			
3/10/2021			4.9	3.9	6.9	0.63
3/11/2021	8					
3/12/2021		0.11				
9/21/2021	4.4	0.13	6.4	4.1	4.2	
9/23/2021						0.59
1/31/2022	3.9	0.13				
2/2/2022			6.2		6.2	
2/3/2022				4.9		0.59
8/30/2022	5.72	0.152	4.95	4.66	7.13	
9/1/2022						0.728
1/31/2023	5.72	0.177				
2/1/2023				6.19	8.23	
2/2/2023			5.35			0.599
8/28/2023	7.01	0.194				
8/29/2023			4.35	3.69	5.92	0.653
1/23/2024	10.4	0.195			6.94	0.568
2/7/2024			4.72			

Time Series

Constituent: Boron (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
2/8/2024				9.21		
8/19/2024	10.5					
8/20/2024			6.51		6.7	0.854
8/21/2024		0.23		5.38		
1/27/2025		0.268				
1/28/2025	9.95		4.48		6.51	
1/29/2025				4.55		0.589
7/28/2025	11.2	0.28	5.53			
7/29/2025					5.27	0.449
7/30/2025				3.24		

Time Series

Constituent: Boron (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	0.0196 (J)	0.096 (J)	0.0688 (J)	5.1	0.261	
9/1/2016						0.071 (J)
10/25/2016						0.0819 (J)
10/26/2016	0.05 (J)		0.083 (J)	5.74	0.211	
10/27/2016		0.0281 (J)				
1/4/2017			0.0738	6.56		
1/5/2017	0.0162 (J)				0.179	0.0813
1/6/2017		0.0189 (J)				
4/4/2017	0.019 (J)					0.0723
4/5/2017				6.49		
4/6/2017		0.0181 (J)	0.0754		0.112	
7/10/2017				8.13		
7/11/2017			0.0614			0.0734
7/12/2017		0.0211 (J)			0.0882	
7/13/2017	0.023 (J)					
10/2/2017						0.0748
10/3/2017	0.0266 (J)		0.0838			
10/4/2017		0.0254 (J)		5.18	0.116	
1/9/2018						0.0679
1/10/2018	0.0203 (J)				0.101	
1/11/2018		0.018 (J)	0.169	5.16		
7/9/2018						0.061
7/10/2018	0.026 (J)					
7/11/2018		0.02 (J)	0.3	8.5	0.098	
1/16/2019					0.11	0.046
1/17/2019			0.065	7		
1/18/2019		0.018 (J)				
1/21/2019	0.018 (J)					
3/26/2019					0.35	0.037 (J)
3/27/2019		0.016 (J)	0.089	6.1		
7/30/2019	0.02 (J)					
10/8/2019			0.22		0.18	0.048
10/9/2019	0.024 (J)	0.019 (J)		8.2		
4/7/2020			0.67	5.3		0.061 (J)
4/8/2020	0.031 (J)	0.023 (J)			0.28	
9/28/2020					0.24	
9/29/2020	0.024 (J)		1.2	4.7		0.053
10/1/2020		0.028 (J)				
3/10/2021		0.022 (J)	1.8	6.1		
3/15/2021	0.084				0.31	
3/16/2021						0.08
9/21/2021			0.8	5.8	0.38	
9/22/2021	0.017 (J)	0.015 (J)				0.052
2/2/2022	0.023 (J)	0.011 (J)				0.044
2/3/2022			0.1	7.5	0.37	
8/30/2022				8.21		0.046
8/31/2022			1.65		0.231	
9/1/2022	0.0204	0.0187				
2/1/2023		0.0186	4.49	10.1	0.208	
2/2/2023	0.022					0.0451
8/29/2023	0.0163	0.016			0.296	
9/6/2023			4.44	9.02		0.0433

Time Series

Constituent: Boron (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/24/2024		0.0175	2.36			
1/25/2024	0.0199			8.4	0.275	0.0439
8/21/2024	0.023	0.0193	0.668	9.95	0.233	0.0675
1/28/2025			2.08			
1/29/2025	0.0209	0.0177		8.33	0.252	0.0554
7/29/2025			1.59			
7/30/2025	0.0235	0.0191		6.57	0.238	0.0576

Time Series

Constituent: Boron (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						12.8
9/1/2016	9.01 (O)	1.82	0.408	3.34	0.62	
10/25/2016	1.66	1.26		2.54	0.0658 (J)	
10/26/2016			0.5			9.81
1/4/2017		1.46		1.91	0.36	8.94
1/5/2017	1.1		0.676			
4/3/2017	1.21					
4/4/2017				2.77	0.509	
4/5/2017		2	0.69			
4/6/2017						0.733
7/11/2017	1.44			4.14		0.852
7/12/2017		2.95				
7/13/2017			0.888		0.126	
10/2/2017	1.59			4.65		
10/3/2017		4.15			0.1	
10/4/2017			1.02			6.05
1/9/2018	1.35				0.783	
1/10/2018		3.68		1.79		
1/11/2018			1.28			0.838
7/9/2018				1.7		
7/10/2018	1.2	5.2			0.5	
7/11/2018			1.6			3.2
1/16/2019			1.5			
1/17/2019	1.1	8.6			0.43	
1/18/2019						0.37
1/21/2019				1.1		
3/25/2019				1		
3/26/2019	0.95	7.4	1.2		0.61	
3/27/2019						0.37
10/8/2019	1.1	8.4			1	
10/9/2019			1.3	0.79		0.39
4/7/2020	0.96	10.5			0.24	3.1
4/8/2020			0.99	2.5		
9/30/2020	0.86	8.1	0.86	9.9	2.3	0.25
3/10/2021						0.32
3/11/2021			0.85			
3/12/2021	0.81			15.6		
3/16/2021		10			3.5	
9/21/2021						0.19
9/22/2021		11.5	1.4	11.3	0.095	
9/23/2021	0.72					
2/1/2022		16	1.8	15.7	4.4	
2/3/2022	0.71					0.18
8/30/2022				8.14	5.08	
8/31/2022	0.719		2.51			0.271
9/1/2022		15.9				
2/1/2023		17.1	1.83	11.9		
2/2/2023	0.679				5.15	0.302
8/29/2023			1.77			9.28
9/6/2023		20.4		11.3	5.6	
9/7/2023	0.747					
1/23/2024						0.173

Time Series

Constituent: Boron (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/24/2024	0.743		1.57	3		
1/25/2024		20.9			6.05	
8/21/2024	0.785	22.6	1.66	10.1		0.179
8/22/2024					2.98	
1/28/2025			1.52			0.155
1/29/2025	0.845	30.2		17.1	10.4	
7/29/2025			1.32	18		8.01
7/30/2025	0.708	18.1			4.6	

Time Series

Constituent: Boron (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.013 (J)	0.013 (J)
1/21/2021	0.018 (J)	0.014 (J)		
3/11/2021	0.03 (J)	0.019 (J)	0.017 (J)	0.015 (J)
9/21/2021				0.025 (J)
9/22/2021	0.033 (J)	0.014 (J)		
9/23/2021			0.012 (J)	
2/1/2022		0.014 (J)		
2/2/2022				0.033 (J)
2/3/2022	0.03 (J)		0.013 (J)	
8/31/2022	0.0283		0.0166	
9/1/2022		0.0303		
2/1/2023	0.0272			
2/2/2023		0.0218	0.0181	
9/6/2023	0.0276	0.0168		
9/7/2023			0.015 (J)	
1/24/2024	0.0236			
1/25/2024		0.018	0.0155	0.0169
8/20/2024				0.0114 (J)
8/21/2024	0.0276	0.0176	0.0175	
1/28/2025				0.0195
1/29/2025	0.0252	0.0179	0.0173	
7/29/2025	0.0308			0.0309
7/30/2025		0.0214	0.0169	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
11/21/2000	<0.001		<0.001	<0.001	<0.001	<0.001
1/20/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/14/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/16/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2001	<0.001	<0.001				<0.001
11/2/2001			<0.001	<0.001	<0.001	
4/25/2002						<0.001
4/26/2002	<0.001	<0.001	<0.001	<0.001	<0.001	
9/11/2007		<0.001				
9/12/2007			<0.001	<0.001		<0.001
9/14/2007	<0.001				<0.001	
11/7/2007			<0.001	<0.001		<0.001
11/8/2007	<0.001	<0.001			<0.001	
1/17/2008			0.0013	<0.001	<0.001	<0.001
1/18/2008	<0.001	<0.001				
3/11/2008		<0.001				
3/12/2008			<0.001			<0.001
3/13/2008	<0.001			<0.001	<0.001	
6/4/2008	<0.001	<0.001		<0.001		<0.001
6/5/2008			<0.001		<0.001	
7/29/2008	<0.001	<0.001				
7/30/2008			<0.001	<0.001	<0.001	
7/31/2008						<0.001
8/30/2016		<0.001		<0.001	<0.001	<0.001
9/1/2016	0.0007 (J)		0.0002 (J)			
10/24/2016		<0.001				
10/25/2016	<0.001					<0.001
10/26/2016			<0.001	<0.001	<0.001	
1/3/2017		<0.001		<0.001		
1/4/2017						0.0001 (J)
1/5/2017					<0.001	
1/6/2017	0.0001 (J)		9E-05 (J)			
4/3/2017		<0.001				
4/4/2017			9E-05 (J)			7E-05 (J)
4/6/2017	<0.001			<0.001	<0.001	
7/11/2017		<0.001				
7/12/2017			<0.001	<0.001	<0.001	<0.001
7/13/2017	<0.001					
10/2/2017		<0.001				
10/3/2017				<0.001	<0.001	<0.001
10/4/2017	<0.001		<0.001			
1/9/2018	<0.001	<0.001			<0.001	
1/10/2018				<0.001		<0.001
1/11/2018			0.0002 (J)			
7/9/2018		<0.001				
7/10/2018				<0.001	<0.001	<0.001
7/11/2018	<0.001		<0.001			
1/16/2019						<0.001
8/26/2019	<0.001	<0.001				
8/27/2019			<0.001		<0.001	<0.001
8/28/2019				<0.001		
10/7/2019		<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
10/8/2019	<0.001					
10/9/2019			<0.001	<0.001	<0.001	<0.001
4/6/2020	<0.001	<0.001				
4/7/2020			<0.001	<0.001	<0.001	<0.001
8/17/2020		<0.001				
8/19/2020	<0.001		<0.001	<0.001	<0.001	<0.001
9/28/2020	<0.001	<0.001				<0.001
9/30/2020				<0.001	<0.001	
10/1/2020			<0.001			
3/10/2021			<0.001	<0.001	<0.001	<0.001
3/11/2021	<0.001					
3/12/2021		<0.001				
9/21/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
9/23/2021						<0.001
1/31/2022	<0.001	<0.001				
2/2/2022			<0.001		<0.001	
2/3/2022				<0.001		<0.001
8/30/2022	<0.001	<0.001	<0.001	<0.001	<0.001	
9/1/2022						<0.001
1/31/2023	<0.001	<0.001				
2/1/2023				<0.001	<0.001	
2/2/2023			<0.001			<0.001
8/28/2023	<0.001	<0.001				
8/29/2023			0.000304 (J)	<0.001	<0.001	<0.001
1/23/2024	<0.001	<0.001			<0.001	<0.001
2/7/2024			<0.001			
2/8/2024				<0.001		
8/19/2024	<0.001					
8/20/2024			<0.001		<0.001	<0.001
8/21/2024		<0.001		<0.001		
1/27/2025		<0.001				
1/28/2025	<0.001		<0.001		<0.001	
1/29/2025				<0.001		<0.001
7/28/2025	<0.001	<0.001	<0.001			
7/29/2025					<0.001	<0.001
7/30/2025				<0.001		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
11/21/2000	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/20/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/14/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/16/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2001	<0.001		<0.001	<0.001	<0.001	<0.001
11/2/2001		<0.001				
4/25/2002	<0.001					<0.001
4/26/2002		<0.001	<0.001	<0.001	<0.001	
9/11/2007						<0.001
9/12/2007	<0.001					
9/13/2007		<0.001	<0.001	<0.001	<0.001	
11/6/2007	<0.001					<0.001
11/7/2007				<0.001	<0.001	
11/8/2007		<0.001	<0.001			
1/15/2008			<0.001	<0.001	<0.001	
1/16/2008	<0.001	<0.001				<0.001
3/11/2008				<0.001	<0.001	<0.001
3/12/2008	<0.001	<0.001				
3/13/2008			<0.001			
6/3/2008			<0.001	<0.001	<0.001	
6/4/2008		<0.001				
6/5/2008	<0.001					<0.001
7/29/2008		<0.001	<0.001			
7/30/2008				<0.001	<0.001	
7/31/2008	<0.001					<0.001
8/31/2016	<0.001	<0.001	0.0002 (J)	<0.001	<0.001	
9/1/2016						0.0001 (J)
10/25/2016						0.0002 (J)
10/26/2016	<0.001		0.0001 (J)	<0.001	<0.001	
10/27/2016		<0.001				
1/4/2017			0.0001 (J)	<0.001		
1/5/2017	<0.001				<0.001	0.0002 (J)
1/6/2017		<0.001				
4/4/2017	<0.001					0.0002 (J)
4/5/2017				<0.001		
4/6/2017		<0.001	0.0002 (J)		<0.001	
7/10/2017				<0.001		
7/11/2017			<0.001			0.0002 (J)
7/12/2017		<0.001			<0.001	
7/13/2017	<0.001					
10/2/2017						<0.001
10/3/2017	<0.001		0.0003 (J)			
10/4/2017		<0.001		<0.001	<0.001	
1/9/2018						<0.001
1/10/2018	<0.001				<0.001	
1/11/2018		<0.001	0.0006 (J)	<0.001		
7/9/2018						0.00017 (J)
7/10/2018	<0.001					
7/11/2018		<0.001	0.0004 (J)	<0.001	<0.001	
3/26/2019					<0.001	
7/30/2019	<0.001					
8/27/2019	<0.001		0.00044 (J)	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/28/2019		<0.001				
10/8/2019			0.00043 (J)		<0.001	<0.001
10/9/2019	<0.001	<0.001		<0.001		
4/7/2020			0.00051 (J)	<0.001		<0.001
4/8/2020	<0.001	<0.001			<0.001	
8/17/2020				<0.001	<0.001	
8/18/2020	<0.001		0.00058 (J)			<0.001
8/19/2020		<0.001				
9/28/2020					<0.001	
9/29/2020	<0.001		0.00077 (J)	<0.001		0.00012 (J)
10/1/2020		<0.001				
3/10/2021		<0.001	0.0009	<0.001		
3/15/2021	<0.001				<0.001	
3/16/2021						<0.001
9/21/2021			0.00036 (J)	<0.001	<0.001	
9/22/2021	<0.001	<0.001				<0.001
2/2/2022	<0.001	<0.001				<0.001
2/3/2022			0.00019 (J)	<0.001	<0.001	
8/30/2022				<0.001		<0.001
8/31/2022			0.000431 (J)		<0.001	
9/1/2022	<0.001	<0.001				
2/1/2023		<0.001	0.000926 (J)	<0.001	<0.001	
2/2/2023	<0.001					<0.001
8/29/2023	<0.001	<0.001			<0.001	
9/6/2023			0.000563 (J)	<0.001		<0.001
1/24/2024		<0.001	0.000456 (J)			
1/25/2024	<0.001			<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/28/2025			0.000415 (J)			
1/29/2025	<0.001	<0.001		<0.001	<0.001	<0.001
7/29/2025			0.000363 (J)			
7/30/2025	<0.001	<0.001		<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
11/21/2000	<0.001	<0.001	<0.001			
1/20/2001	<0.001	<0.001	<0.001			
3/14/2001	<0.001	<0.001	<0.001			
7/16/2001	<0.001	<0.001	<0.001			
11/1/2001	<0.001	<0.001	<0.001			
4/25/2002	<0.001	<0.001	<0.001			
9/11/2007		<0.001				
9/12/2007	<0.001		<0.001			
11/6/2007	<0.001	<0.001	<0.001			
1/16/2008	<0.001	<0.001	<0.001			
3/11/2008		<0.001				
3/12/2008	<0.001					
3/13/2008			<0.001			
6/4/2008			<0.001			
6/5/2008	<0.001	<0.001				
7/31/2008	<0.001	<0.001	<0.001			
8/31/2016						8E-05 (J)
9/1/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
10/25/2016	<0.001	<0.001		<0.001	<0.001	
10/26/2016			<0.001			<0.001
1/4/2017		<0.001		<0.001	<0.001	0.0001 (J)
1/5/2017	<0.001		<0.001			
4/3/2017	<0.001					
4/4/2017				<0.001	<0.001	
4/5/2017		<0.001	<0.001			
4/6/2017						0.0001 (J)
7/11/2017	<0.001			<0.001		<0.001
7/12/2017		<0.001				
7/13/2017			<0.001		<0.001	
10/2/2017	<0.001			<0.001		
10/3/2017		<0.001			<0.001	
10/4/2017			<0.001			0.0002 (J)
1/9/2018	<0.001				<0.001	
1/10/2018		<0.001		<0.001		
1/11/2018			<0.001			0.0002 (J)
7/9/2018				<0.001		
7/10/2018	<0.001	<0.001			<0.001	
7/11/2018			<0.001			0.00023 (J)
8/27/2019	<0.001					<0.001
8/28/2019		<0.001	<0.001	<0.001	<0.001	
10/8/2019	<0.001	<0.001			<0.001	
10/9/2019			<0.001	<0.001		0.00012 (J)
4/7/2020	<0.001	<0.001			<0.001	0.00054 (J)
4/8/2020			<0.001	<0.001		
8/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	0.00024 (J)
9/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	0.00024 (J)
3/10/2021						<0.001
3/11/2021			<0.001			
3/12/2021	<0.001			0.00018 (J)		
3/16/2021		<0.001			<0.001	
9/21/2021						<0.001
9/22/2021		<0.001	<0.001	0.00013 (J)	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/23/2021	<0.001					
2/1/2022		<0.001	<0.001	0.0002 (J)	<0.001	
2/3/2022	<0.001					<0.001
8/30/2022				<0.001	<0.001	
8/31/2022	<0.001		<0.001			<0.001
9/1/2022		<0.001				
2/1/2023		<0.001	<0.001	<0.001		
2/2/2023	<0.001				<0.001	<0.001
8/29/2023			<0.001			<0.001
9/6/2023		<0.001		0.000823 (J)	<0.001	
9/7/2023	<0.001					
1/23/2024						<0.001
1/24/2024	<0.001		<0.001	<0.001		
1/25/2024		<0.001			<0.001	
8/21/2024	<0.001	<0.001	<0.001	<0.001		<0.001
8/22/2024					<0.001	
1/28/2025			<0.001			<0.001
1/29/2025	<0.001	<0.001		<0.001	<0.001	
7/29/2025			<0.001	0.000661 (J)		<0.001
7/30/2025	<0.001	<0.001			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.001	<0.001	0.00019 (J)	0.00029 (J)
9/21/2021				<0.001
9/22/2021	0.00027 (J)	<0.001		
9/23/2021			<0.001	
2/1/2022		<0.001		
2/2/2022				<0.001
2/3/2022	<0.001		<0.001	
8/31/2022	<0.001		<0.001	
9/1/2022		<0.001		
2/1/2023	<0.001			
2/2/2023		<0.001	<0.001	
9/6/2023	<0.001	<0.001		
9/7/2023			<0.001	
1/24/2024	<0.001			
1/25/2024		<0.001	<0.001	0.000616 (J)
8/20/2024				<0.001
8/21/2024	<0.001	<0.001	<0.001	
1/28/2025				<0.001
1/29/2025	<0.001	<0.001	<0.001	
7/29/2025	<0.001			<0.001
7/30/2025		<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/11/2007		14				
9/12/2007			31	38		34
9/14/2007	4.8				2	
11/7/2007			28	44		32
11/8/2007	4.9	16			3.4	
1/17/2008			23	53	1.6	32
1/18/2008	4.7	18				
3/11/2008		18				
3/12/2008			26			40
3/13/2008	4.6			56	3.1	
6/4/2008	3.4	15		36		26
6/5/2008			20		1.9	
7/29/2008	3.6	16				
7/30/2008			18	50	1.5	
7/31/2008						26
8/30/2016		23.8		14.3	4.68	29.4
9/1/2016	5.59		9.91			
10/24/2016		22.5				
10/25/2016	6.43					28.3
10/26/2016			8.56	18.6	5.45	
1/3/2017		22.1		18.1		
1/4/2017						33.4
1/5/2017					5.35	
1/6/2017	8.13		8.18			
4/3/2017		24.6 (J)				
4/4/2017			8.12			34.6
4/6/2017	7.72			16.2	5.41	
7/11/2017		23.5				
7/12/2017			8	18.1	4.81	38
7/13/2017	4.57					
10/2/2017		22.7				
10/3/2017				15.2	5.17	25.5
10/4/2017	6.41		12.5			
1/9/2018	4.68	23.2			4.73	
1/10/2018				15.5		36.5
1/11/2018			12.9			
7/9/2018		24.6 (J)				
7/10/2018				30.6	4.5	45.5
7/11/2018	3.9		8.6			
1/16/2019	4.3	27.7	68.8	33.3	10.1	46.5
3/25/2019	3.9	31.7	55.6			
3/26/2019				36.1	9	46.3
10/7/2019		31.6				
10/8/2019	3.5					
10/9/2019			46.7	17.7	10.1	51.2
4/6/2020	3.1	35.8				
4/7/2020			62.1	34.1	7.8	31.1
9/28/2020	3.3	25.6				70.7
9/30/2020				70.4	27.5	
10/1/2020			48.4			
3/10/2021			263	134	55.9	67.2
3/11/2021	2.4					

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
3/12/2021		21.4				
9/21/2021	2.7	18.5	67.5	140	110	
9/23/2021						69.1
1/31/2022	3.4	17.2				
2/2/2022			98.2		293	
2/3/2022				130		58.2
8/30/2022	3.56	15	79.3	70.3	81.8	
9/1/2022						46.9
1/31/2023	3.33	14.8				
2/1/2023				38.3	60.4	
2/2/2023			91.8			35.2
8/28/2023	3.72	13.6				
8/29/2023			133	46.8	120	53.9
1/23/2024	3.56	16.6			66.8	47.2
2/7/2024			212			
2/8/2024				24.2		
8/19/2024	3.36					
8/20/2024			188		99.1	37.8
8/21/2024		18.6		30		
1/27/2025		18.7				
1/28/2025	3.33		224		57.5	
1/29/2025				78.6		60.2
7/28/2025	3.57	18.3	155			
7/29/2025					59.8	61.1
7/30/2025				102		

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/11/2007						32
9/12/2007	0.11					
9/13/2007		3.2	1.1	34	2	
11/6/2007	0.11					41
11/7/2007				36	2.8	
11/8/2007		3.6	1.1			
1/15/2008			0.93	40	2.4	
1/16/2008	0.097	3.5				41
3/11/2008				36	2	26
3/12/2008	0.1	3.2				
3/13/2008			0.77			
6/3/2008			0.73	36	7.8	
6/4/2008		3.8				
6/5/2008	0.14					43
7/29/2008		3.8	0.6			
7/30/2008				41	5.7	
7/31/2008	0.11					9
8/31/2016	0.371 (J)	6.9	18.8	105	2.77	
9/1/2016						194
10/25/2016						100
10/26/2016	5.84		16.6	101	2.25	
10/27/2016		8.2				
1/4/2017			17.6	94.9		
1/5/2017	0.379 (J)				2.27	107
1/6/2017		7.97				
4/4/2017	0.993					153
4/5/2017				92.5		
4/6/2017		7.95	30.9		2.04	
7/10/2017				90.3		
7/11/2017			17.7			125
7/12/2017		8.37			2.25	
7/13/2017	0.388 (J)					
10/2/2017						126
10/3/2017	0.251 (J)		39.8			
10/4/2017		8.57		74.6	2.19	
1/9/2018						119
1/10/2018	0.177 (J)				2.28	
1/11/2018		9.78	65.6	78.1		
7/9/2018						123
7/10/2018	0.17 (J)					
7/11/2018		9.2	53	72.2	2.3	
1/16/2019					2.3	120
1/17/2019			19.8 (J)	64.7		
1/18/2019		8.1				
1/21/2019	0.19 (J)					
3/26/2019					2.4	84.2
3/27/2019		7.7	25.1	63.1		
7/30/2019	0.43					
10/8/2019			69.2		2.3	146
10/9/2019	0.18	6		54.2		
4/7/2020			84.7	52.1		135
4/8/2020	0.24 (J)	5.3			2.5	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/28/2020					2.9	
9/29/2020	0.18 (J)		123	42		30.8
10/1/2020		5.5				
3/10/2021		5.3	126	53.1		
3/15/2021	0.22 (J)				2.4	
3/16/2021						34.4
9/21/2021			87	63.4	3.6	
9/22/2021	0.19 (J)	5				185
2/2/2022	0.16 (J)	4.6				245
2/3/2022			65.4	63.7	2.7	
8/30/2022				70.8		144
8/31/2022			115		2.54	
9/1/2022	0.236	5				
2/1/2023		4.44	187	67.5	2.89	
2/2/2023	0.143 (J)					137
8/29/2023	0.165 (J)	4.38			3.64	
9/6/2023			160	77.4		145
1/24/2024		4.4	128			
1/25/2024	0.17 (J)			78.5	4.19	107
8/21/2024	0.156 (J)	4.68	102	79.6	5.23	49.5
1/28/2025			125			
1/29/2025	0.144 (J)	4.74		65.4	6.01	163
7/29/2025			101			
7/30/2025	0.233	4.81		51.6	6.09	136

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/11/2007		43				
9/12/2007	92		18			
11/6/2007	113	46	19			
1/16/2008	118	55	21			
3/11/2008		42				
3/12/2008	104					
3/13/2008			21			
6/4/2008			20			
6/5/2008	124	56				
7/31/2008	87	69	24			
8/31/2016						127
9/1/2016	119	93.8	71.9	67.2	40.5	
10/25/2016	106	94.1		50.1	3.91	
10/26/2016			80.3			127
1/4/2017		88.2		80.4	15.2	113
1/5/2017	115		94.4			
4/3/2017	131					
4/4/2017				108	32.3	
4/5/2017		106	104			
4/6/2017						42.7
7/11/2017	155			136		46
7/12/2017		149				
7/13/2017			124		8.92	
10/2/2017	137			105		
10/3/2017		217			7.88	
10/4/2017			136			115
1/9/2018	135				40.5	
1/10/2018		161		60.1		
1/11/2018			139			47.6
7/9/2018				75.9		
7/10/2018	129	205			29.8	
7/11/2018			122			73.7
1/16/2019			80.5			
1/17/2019	137	187			27.6	
1/18/2019						30.6
1/21/2019				60		
3/25/2019				74.8		
3/26/2019	124	204	68.8		60.1	
3/27/2019						28.8
10/8/2019	129	205			49.5	
10/9/2019			56.6	80.1		30.1
4/7/2020	129	225			12.5	65.7
4/8/2020			53.1	175		
9/30/2020	109	177	53.5	292	98.4	20.9
3/10/2021						18.7
3/11/2021			67			
3/12/2021	101			241		
3/16/2021		188			104	
9/21/2021						15.3
9/22/2021		267	94.6	266	5.8	
9/23/2021	146					
2/1/2022		267	90.8	259	125	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/3/2022	144					14.6
8/30/2022				193	131	
8/31/2022	135		102			23.2
9/1/2022		255				
2/1/2023		294	86.8	183		
2/2/2023	131				123	21.6
8/29/2023			86.5			147
9/6/2023		311		151	142	
9/7/2023	142					
1/23/2024						15.1
1/24/2024	141		88.7	134		
1/25/2024		280			150	
8/21/2024	135	232	78.9	169		13.3
8/22/2024					85	
1/28/2025			83.7			12.4
1/29/2025	151	295		265	171	
7/29/2025			81.7	246		114
7/30/2025	137	191			93.3	

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			4.9	4.1
1/21/2021	4.4	2.8		
3/11/2021	12.4	5.4	4.7	3.1
9/21/2021				2.5
9/22/2021	14.9	4.7		
9/23/2021			3.4	
2/1/2022		3.7		
2/2/2022				2.3
2/3/2022	11.6		3	
8/31/2022	10.3		3.38	
9/1/2022		2.75		
2/1/2023	8.46			
2/2/2023		2.5	3.09	
9/6/2023	8.49	2.96		
9/7/2023			3.17	
1/24/2024	6.96			
1/25/2024		2.65	3.5	2.9
8/20/2024				2.31
8/21/2024	8.39	2.54	3.06	
1/28/2025				2.33
1/29/2025	6.77	2.51	3.12	
7/29/2025	6.93			2.35
7/30/2025		2.19	3.07	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/11/2007		16.6				
9/12/2007			369	50.5		24.9
9/14/2007	73.6				26.1	
11/7/2007			353	47.7		24.6
11/8/2007	79.4	18.3			24.4	
1/17/2008			327	45.2	21.2	22
1/18/2008	85.1	19.5				
3/11/2008		15.6				
3/12/2008			351			20.3
3/13/2008	84.3			44.5	24.2	
6/4/2008	69	16.7		40.2		18.3
6/5/2008			259		24	
7/29/2008	83.9	16.9				
7/30/2008			224	38.4	21.1	
7/31/2008						22.7
8/30/2016		15		31	60	5.5
9/1/2016	190		160			
10/24/2016		13				
10/25/2016	150					5.1
10/26/2016			110	24	67	
1/3/2017		13		29		
1/4/2017						6.9
1/5/2017					70	
1/6/2017	180		67			
4/3/2017		14				
4/4/2017			80			6.5
4/6/2017	200			27	76	
7/11/2017		13				
7/12/2017			120	31	64	6.5
7/13/2017	200					
10/2/2017		15				
10/3/2017				27	73	4.5
10/4/2017	260		130			
1/9/2018	210	13			61	
1/10/2018				59		6.9
1/11/2018			60			
7/9/2018		15.4				
7/10/2018				172	60.2	6.2
7/11/2018	177		75.9			
1/16/2019	165	16	20.2	49.7	54.1	6.6
3/25/2019	147	17.7	19.7			
3/26/2019				47.9	51.8	7
10/7/2019		18				
10/8/2019	125					
10/9/2019			32.1	239	49.7	7.2
4/6/2020	30.2	13.5				
4/7/2020			14.5	44.3	56.4	7.7
9/28/2020	113	13.7				13.8
9/30/2020				24.1	53.9	
10/1/2020			15.7			
3/10/2021			16	25.7	42.4	8.5
3/11/2021	96.7					

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
3/12/2021		14.1				
9/21/2021	92.2	12.2	13.9	38.8	53.8	
9/23/2021						8.8
1/31/2022	83.4	11.2				
2/2/2022			14.5		42.3	
2/3/2022				38.5		8
8/30/2022	74.4	9.93	65	76.8	52	
9/1/2022						9.17
1/31/2023	70.1	11				
2/1/2023				172	51.6	
2/2/2023			82.4			6.47
8/28/2023	91.9	10.1				
8/29/2023			66	61.8	53.2	7.48
1/23/2024	105	13.4			55.4	6.4
1/24/2024				279		
1/25/2024			110			
2/7/2024			92.1			
2/8/2024				251		
8/19/2024	86.5					
8/20/2024			114		53	8.85
8/21/2024		18.2		138		
1/27/2025		26.1				
1/28/2025	95.9		101		63.4	
1/29/2025				73.8		4.43
7/28/2025	80.4	17.4	146			
7/29/2025					63.6	4.59
7/30/2025				41.6		

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/11/2007						7.52
9/12/2007	5.88					
9/13/2007		11.8	5.64	108	15.2	
11/6/2007	6.97					7.73
11/7/2007				112	8.56	
11/8/2007		11.8	5.61			
1/15/2008			5.39	103	12.2	
1/16/2008	6.6	11.1				23.5
3/11/2008				109	12.2	7.6
3/12/2008	7.97	10.6				
3/13/2008			4.75			
6/3/2008			4.86	95.3	17.8	
6/4/2008		10.9				
6/5/2008	8.06					6.5
7/29/2008		11	5.17			
7/30/2008				98.3	16.5	
7/31/2008	7.29					7.43
8/31/2016	7.8	17	3.5	210	4.3	
9/1/2016						60
10/25/2016						36
10/26/2016	12		2.5	200	4.9	
10/27/2016		17				
1/4/2017			3.8	160		
1/5/2017	7.4				4.1	37
1/6/2017		16				
4/4/2017	8.7					47
4/5/2017				140		
4/6/2017		17	7.1		3.7	
7/10/2017				88		
7/11/2017			3.1			34
7/12/2017		18			2.6	
7/13/2017	8.3					
10/2/2017						34
10/3/2017	9		46			
10/4/2017		18		100	3	
1/9/2018						24
1/10/2018	8.2				3.4	
1/11/2018		16	100	78		
7/9/2018						25.9
7/10/2018	7.3					
7/11/2018		16.2	53.7	66.9	3.2	
1/16/2019					3.8	29.2
1/17/2019			6.6	52		
1/18/2019		17.5				
1/21/2019	6.9					
3/26/2019					3.2	21.1
3/27/2019		18.9	11.9	45.6		
7/30/2019	7.1					
10/8/2019			89		4	40.2
10/9/2019	7	19		44.1		
4/7/2020			103	32.5		41.6
4/8/2020	5.2	16.9			4.5	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/28/2020					4.3	
9/29/2020	5.4		143	24.3		10.6
10/1/2020		16.8				
3/10/2021		18.3	188	48.7		
3/15/2021	6.4				7.6	
3/16/2021						15.8
9/21/2021			103	63.8	7.9	
9/22/2021	7.4	19.3				28
2/2/2022	6.9	17.5				29.6
2/3/2022			83.4	57	8.8	
8/30/2022				58.4		26.7
8/31/2022			110		6.69	
9/1/2022	6.59	17.6				
2/1/2023		18.8	138	64.5	6.17	
2/2/2023	5.42					18.2
8/29/2023	4.97	21.1			7.34	
9/6/2023			98	74.1		22.7
1/24/2024		22.4	75.6			
1/25/2024	5.09			84.4	7.26	18.5
8/21/2024	5.61	24	48.9	117	6.83	24.3
1/28/2025			94.2			
1/29/2025	4.36	27.9		61.6	5.36	42.1
7/29/2025			75.2			
7/30/2025	3.72	22.5		52.3	4.46	37.1

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/11/2007		20.9				
9/12/2007	7.64		85.6			
11/6/2007	6.5	25.9	92.4			
1/16/2008	4.92	7.41	91.3			
3/11/2008		27				
3/12/2008	6.28					
3/13/2008			87.4			
6/4/2008			104			
6/5/2008	6.16	36.5				
7/31/2008	5.98	56.7	66.1			
8/31/2016						320
9/1/2016	10	43	610	16	5.9	
10/25/2016	6.5	34		8.1	4.4	
10/26/2016			570			450
1/4/2017		29		13	7.7	330
1/5/2017	10		710			
4/3/2017	7.3					
4/4/2017				23	8	
4/5/2017		36	860			
4/6/2017						50
7/11/2017	5.7			31		70
7/12/2017		44				
7/13/2017			860		5.4	
10/2/2017	4.4			30		
10/3/2017		58			4.4	
10/4/2017			1000			360
1/9/2018	5.7				4.4	
1/10/2018		36		9.7		
1/11/2018			940			74
7/9/2018				10.8		
7/10/2018	3.1	57			6.3	
7/11/2018			864			164
1/16/2019			469			
1/17/2019	3.2	48.9			5.4	
1/18/2019						11
1/21/2019				5.1		
3/25/2019				9.4		
3/26/2019	3	5.1	439		11.9	
3/27/2019						11.5
10/8/2019	2.9	46.4			7.8	
10/9/2019			330	5.4		25.3
4/7/2020	3.4	49.3			4.7	146
4/8/2020			277	20.2		
9/30/2020	1.7	39.6	257	34.9	23.7	8.5
3/10/2021						48.2
3/11/2021			334			
3/12/2021	2.3			31.9		
3/16/2021		44.9			25.3	
9/21/2021						9.4
9/22/2021		55.8	517	38.9	6	
9/23/2021	7.1					
2/1/2022		61.5	549	33.4	29.3	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/3/2022	5.1					10.8
8/30/2022				24.4	29.4	
8/31/2022	4.83		694			51.2
9/1/2022		57.2				
2/1/2023		47.1	470	15.3		
2/2/2023	4.69				23.3	18.2
8/29/2023			476			521
9/6/2023		45.9		12.2	24.5	
9/7/2023	4.46					
1/23/2024						9.89
1/24/2024	5.13		476	7.57		
1/25/2024		39.1			23.4	
8/21/2024	5.49	34.8	479	13.1		10.5
8/22/2024					15.8	
1/28/2025			435			7.54
1/29/2025	7.14	49.8		17.5	35.2	
7/29/2025			428	17.5		394
7/30/2025	5.71	40.8			17.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			6.1	6.9
1/21/2021	6.1	6.1		
3/11/2021	9.9	6	6.4	7
9/21/2021				6.7
9/22/2021	7.1	4.9		
9/23/2021			5.5	
2/1/2022		5.4		
2/2/2022				6.6
2/3/2022	7.5		6.3	
8/31/2022	7.84		6.6	
9/1/2022		6.3		
2/1/2023	7.71			
2/2/2023		6.04	6.24	
9/6/2023	7.65	5.82		
9/7/2023			6.19	
1/24/2024	7.94			
1/25/2024		5.7	5.87	6.71
8/20/2024				6.92
8/21/2024	9.04	6.37	6.61	
1/28/2025				6.59
1/29/2025	7.59	6.02	6.16	
7/29/2025	8.11			6.72
7/30/2025		6.11	6.07	

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.05	<0.01	0.021	0.03	0.016	<0.01
11/21/2000	<0.05		0.017	<0.01	0.023	<0.01
1/20/2001	<0.05	<0.01	0.03	0.028	0.025	<0.01
3/14/2001	<0.05	<0.01	0.019	0.052	0.021	<0.01
7/16/2001	<0.05	<0.01	0.029	0.08	0.019	<0.01
11/1/2001	<0.05	<0.01				<0.01
11/2/2001			0.021	0.13 (O)	0.022	
4/25/2002						<0.01
4/26/2002	<0.05	<0.01	0.03	0.021	0.019	
11/20/2002			0.038	0.053	0.024	<0.01
11/21/2002		0.0051				
6/6/2003	0.037	0.014	0.028	0.064	0.021	0.005
12/12/2003	0.0044	0.011	0.027	<0.01	0.0066	
12/17/2003						<0.01
5/26/2004	<0.05	<0.01	0.021	0.012	0.013	<0.01
12/8/2004	<0.05	<0.01				<0.01
12/10/2004			0.016	0.019	0.013	
6/21/2005	<0.05	<0.01	0.015	0.02	0.0067	<0.01
12/3/2005	<0.05	<0.01				
12/4/2005						0.002
12/5/2005			0.022	<0.01	0.0033	
4/4/2006		<0.01				
6/27/2006	<0.05	<0.01	0.027	0.0015		<0.01
6/29/2006					0.0047	
8/30/2006		<0.01				
12/3/2006	0.0015	<0.01				
12/4/2006			0.025	0.0034	0.0084	<0.01
2/15/2007		<0.01				
6/23/2007	<0.05	<0.01	0.023	<0.01	0.01	<0.01
9/11/2007		<0.01				
9/12/2007			0.017	<0.01		<0.01
9/14/2007	0.0023				0.0062	
11/7/2007			0.022	<0.01		<0.01
11/8/2007	0.003	<0.01			0.01	
12/11/2007	0.0016	<0.01			0.0049	
12/12/2007			0.018	<0.01		<0.01
1/17/2008			0.019	<0.01	0.007	<0.01
1/18/2008	0.002	<0.01				
3/11/2008		<0.01				
3/12/2008			0.014			<0.01
3/13/2008	0.0018			<0.01	0.0072	
6/4/2008	0.0037	<0.01		<0.01		0.0014
6/5/2008			0.021		0.0062	
6/23/2008	0.0019	<0.01				
6/24/2008			0.022	<0.01	0.032 (O)	<0.01
7/29/2008	0.0026	<0.01				
7/30/2008			0.02	0.0024	0.0098	
7/31/2008						<0.01
11/3/2008		<0.01				
12/4/2008	<0.05	<0.01				
12/5/2008			0.023	0.0016	0.009	<0.01
3/25/2009		<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	0.0037	<0.01	0.012	<0.01	0.0044	0.0013
9/14/2009		<0.01				
12/20/2009	0.0016	<0.01				<0.01
12/21/2009			0.019	<0.01	0.0055	
3/4/2010		<0.01				
6/20/2010	<0.05	<0.01		<0.01	0.002	<0.01
6/21/2010			0.01			
9/14/2010		<0.01				
1/6/2011				0.0017		<0.01
1/7/2011	0.0033	<0.01	0.023		0.0039	
4/15/2011		<0.01				
7/7/2011	0.0044	<0.01		0.008	0.0031	<0.01
7/8/2011			0.017			
9/25/2011		0.0021				
1/17/2012	0.0038	<0.01		0.0082		<0.01
1/18/2012			0.0114		0.0023	
4/4/2012		<0.01				
7/9/2012	0.022			0.01		<0.01
7/10/2012		<0.01	0.014		0.0022	
10/9/2012		<0.01				
1/17/2013				0.01		<0.01
1/18/2013	0.034	<0.01	0.015		<0.0013	
4/5/2013		<0.01				
7/16/2013				0.0061		<0.01
7/17/2013	0.032	<0.01	0.011		<0.0013	
10/11/2013		<0.01				
1/13/2014	0.04			0.002		<0.01
1/14/2014		<0.01	0.019		0.0012 (J)	
4/3/2014		<0.01				
7/9/2014	0.036	<0.01	0.012	<0.01	<0.0013	0.0011 (J)
10/24/2014		<0.01				
1/12/2015			0.016			
1/13/2015	0.03			<0.01		<0.01
1/14/2015		<0.01			0.0015	
5/10/2015		<0.01				
7/16/2015	0.039		0.0084	<0.01		0.0011 (J)
7/17/2015		<0.01			0.0011 (J)	
10/6/2015		<0.01				
1/17/2016						<0.01
1/18/2016	0.068	<0.01	0.014	<0.01	0.0011 (J)	
4/26/2016		<0.01				
7/27/2016	0.05 (J)			0.0006 (J)		0.0016 (J)
7/28/2016		<0.01			0.001 (J)	
7/29/2016			0.0077 (J)			
8/30/2016		<0.01		<0.01	0.0013 (J)	0.0015 (J)
9/1/2016	0.119 (O)		0.015			
10/24/2016		<0.01				
10/25/2016	0.0519					0.0018 (J)
10/26/2016			0.0106	<0.01	0.0014 (J)	
1/3/2017		<0.01		0.001 (J)		
1/4/2017						0.0021 (J)
1/5/2017					0.002 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0536		0.0098 (J)			
4/3/2017		0.0004 (J)				
4/4/2017			0.0101			0.002 (J)
4/6/2017	0.0447 (J)			0.0013 (J)	0.0034 (J)	
7/11/2017		0.0006 (J)				
7/12/2017			0.0096 (J)	0.0011 (J)	0.0024 (J)	0.0021 (J)
7/13/2017	0.0269					
10/2/2017		<0.01				
10/3/2017				0.0012 (J)	0.0022 (J)	0.0014 (J)
10/4/2017	0.0378		0.0097 (J)			
1/9/2018	0.0283 (J)	<0.01			0.0019 (J)	
1/10/2018				0.0016 (J)		0.0017 (J)
1/11/2018			0.0109			
7/9/2018		<0.01				
7/10/2018				0.0055 (J)	0.0023 (J)	0.0021 (J)
7/11/2018	0.018 (J)		0.0055 (J)			
1/16/2019	0.018 (J)	<0.01	0.0024 (J)	<0.01	0.018 (J)	0.0021 (J)
3/25/2019	0.017 (J)	<0.01	0.002 (J)			
3/26/2019				0.072	0.017 (J)	0.0018 (J)
8/26/2019	0.024 (J)	0.001 (J)				
8/27/2019			0.0027 (J)		0.0097 (J)	0.0062 (J)
8/28/2019				0.0071 (J)		
10/7/2019		0.00052 (J)				
10/8/2019	0.021 (J)					
10/9/2019			0.002 (J)	0.012 (J)	0.011 (J)	0.0019 (J)
4/6/2020	0.015 (J)	<0.01				
4/7/2020			0.0028 (J)	0.0022 (J)	0.0094 (J)	0.0015 (J)
8/17/2020		0.00082 (J)				
8/19/2020	0.015 (J)		0.0022 (J)	0.0012 (J)	0.0037 (J)	0.0028 (J)
9/28/2020	0.014 (J)	0.00071 (J)				0.0024 (J)
9/30/2020				0.0018 (J)	0.0045 (J)	
10/1/2020			0.002 (J)			
3/10/2021			0.003 (J)	0.001 (J)	0.006	0.0023 (J)
3/11/2021	0.02 (J)					
3/12/2021		0.00074 (J)				
9/21/2021	0.013 (J)	<0.01	0.0018 (J)	<0.01	0.0035 (J)	
9/23/2021						0.0023 (J)
1/31/2022	0.015 (J)	<0.01				
2/2/2022			0.003 (J)		0.0033 (J)	
2/3/2022				0.0014 (J)		0.0019 (J)
8/30/2022	0.0129	<0.01	<0.01	<0.01	0.00356 (J)	
9/1/2022						<0.01
1/31/2023	0.0112	<0.01				
2/1/2023				0.00655 (J)	0.00365 (J)	
2/2/2023			0.00502 (J)			<0.01
8/28/2023	0.0139	<0.01				
8/29/2023			0.00389 (J)	<0.01	0.00349 (J)	0.00337 (J)
1/23/2024	<0.05	<0.01			0.00402 (J)	<0.01
2/7/2024			0.00352 (J)			
2/8/2024				0.0147		
8/19/2024	0.0123					
8/20/2024			0.00544 (J)		0.00339 (J)	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.01		0.00542 (J)		
1/27/2025		<0.01				
1/28/2025	0.0152		0.00332 (J)		0.0038 (J)	
1/29/2025				<0.01		<0.01
7/28/2025	0.0147	<0.01	0.00648 (J)			
7/29/2025					0.00477 (J)	0.0032 (J)
7/30/2025				<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.01	<0.01	<0.01	<0.01	<0.01
11/21/2000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1/20/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/14/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7/16/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2001	<0.01		<0.01	<0.01	<0.01	<0.01
11/2/2001		<0.01				
4/25/2002	<0.01					<0.01
4/26/2002		<0.01	<0.01	<0.01	<0.01	
11/21/2002		0.014	0.006			0.014
11/22/2002	<0.01			0.002	<0.01	
6/6/2003	<0.01					<0.01
6/7/2003		<0.01	0.0082	<0.01	0.003	
12/12/2003	<0.01	<0.01	0.0023	<0.01	<0.01	<0.01
5/27/2004	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
12/8/2004	<0.01			<0.01		<0.01
12/9/2004		0.0039	<0.01		<0.01	
6/22/2005		0.002	<0.01	<0.01	<0.01	
6/23/2005	<0.01					<0.01
12/3/2005	<0.01					<0.01
12/4/2005			<0.01			
12/5/2005		<0.01		<0.01	<0.01	
4/4/2006						<0.01
6/28/2006			<0.01			
6/29/2006	<0.01	<0.01		<0.01	<0.01	<0.01
8/30/2006						<0.01
12/3/2006		0.0019	0.0021	0.0032	0.0017	
12/4/2006	<0.01					0.0042
2/15/2007						<0.01
6/23/2007	<0.01	0.0015	0.0017	<0.01	<0.01	<0.01
9/11/2007						<0.01
9/12/2007	<0.01					
9/13/2007		0.0016	0.0014	0.0026	0.0013	
11/6/2007	<0.01					<0.01
11/7/2007				0.0014	<0.01	
11/8/2007		0.0014	<0.01			
12/11/2007		<0.01	<0.01	<0.01	<0.01	
12/12/2007	<0.01					<0.01
1/15/2008			<0.01	<0.01	0.0014	
1/16/2008	<0.01	0.0015				<0.01
3/11/2008				0.003	<0.01	<0.01
3/12/2008	<0.01	<0.01				
3/13/2008			<0.01			
6/3/2008			<0.01	<0.01	<0.01	
6/4/2008		0.0027				
6/5/2008	<0.01					0.0038
6/23/2008		0.0015	<0.01	0.0016	<0.01	
6/24/2008	<0.01					<0.01
7/29/2008		<0.01	<0.01			
7/30/2008				0.0014	<0.01	
7/31/2008	<0.01					<0.01
11/3/2008						<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/25/2009						<0.01
7/8/2009	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/14/2009						<0.01
12/20/2009	<0.01					<0.01
12/21/2009		<0.01	<0.01	<0.01	<0.01	
3/4/2010						<0.01
6/20/2010	<0.01	0.0015	<0.01	<0.01	<0.01	<0.01
9/14/2010						<0.01
1/6/2011	<0.01		<0.01		<0.01	
1/7/2011		<0.01		<0.01		0.0016
4/15/2011						0.0034
7/7/2011	<0.01		0.0023	<0.01	0.0019	<0.01
7/8/2011		<0.01				
9/25/2011						0.0013
1/17/2012	<0.01		<0.01	<0.01	<0.01	<0.01
1/18/2012		<0.01				
4/4/2012						<0.01
7/9/2012	<0.01		0.0017	<0.01	<0.01	<0.01
7/10/2012		<0.01				
10/9/2012						0.0019
1/17/2013	<0.01		<0.01	<0.01	<0.01	
1/18/2013		<0.01				0.0017
4/5/2013						0.0019
7/16/2013			<0.01	<0.01	<0.01	
7/17/2013	<0.01	<0.01				0.0017
10/11/2013						0.0013
1/13/2014	<0.01		<0.01	<0.01	<0.01	
1/14/2014		<0.01				0.0014
4/3/2014						0.0031
7/8/2014			<0.01	<0.01	<0.01	
7/9/2014	<0.01	0.0011 (J)				0.0012 (J)
10/24/2014						<0.01
1/13/2015	<0.01		<0.01	<0.01	<0.01	
1/14/2015		<0.01				0.0013
5/10/2015						<0.01
7/16/2015	<0.01		<0.01	0.001 (J)	<0.01	
7/17/2015		0.0013				0.001 (J)
10/6/2015						<0.01
1/17/2016	<0.01					0.0012 (J)
1/18/2016		<0.01		<0.01	<0.01	
1/19/2016			<0.01			
4/26/2016						<0.01
7/26/2016			0.0005 (J)		<0.01	
7/27/2016	0.0008 (J)			0.0014 (J)		0.0008 (J)
7/28/2016		0.0011 (J)				
8/31/2016	<0.01	0.0024 (J)	0.001 (J)	0.0012 (J)	0.0011 (J)	
9/1/2016						0.0015 (J)
10/25/2016						<0.01
10/26/2016	0.001 (J)		<0.01	0.0012 (J)	<0.01	
10/27/2016		<0.01				
1/4/2017			<0.01	0.0012 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.01				<0.01	0.001 (J)
1/6/2017		<0.01				
4/4/2017	0.0008 (J)					0.001 (J)
4/5/2017				0.0013 (J)		
4/6/2017		0.0019 (J)	0.0007 (J)		0.0011 (J)	
7/10/2017				0.0014 (J)		
7/11/2017			0.0006 (J)			0.0008 (J)
7/12/2017		0.0011 (J)			0.0007 (J)	
7/13/2017	0.0006 (J)					
10/2/2017						0.0009 (J)
10/3/2017	<0.01		0.0007 (J)			
10/4/2017		0.0011 (J)		0.0011 (J)	0.0008 (J)	
1/9/2018						0.0006 (J)
1/10/2018	<0.01				0.0007 (J)	
1/11/2018		0.001 (J)	0.0098 (J)	0.001 (J)		
7/9/2018						<0.01
7/10/2018	<0.01					
7/11/2018		<0.01	<0.01	<0.01	0.0019 (J)	
1/16/2019					<0.01	<0.01
1/17/2019			<0.01	0.0028 (J)		
1/18/2019		<0.01				
1/21/2019	<0.01					
3/26/2019					<0.01	<0.01
3/27/2019		<0.01	<0.01	<0.01		
7/30/2019	0.00065 (J)					
8/27/2019	<0.01		0.00092 (J)	0.00085 (J)	<0.01	0.001 (J)
8/28/2019		0.00089 (J)				
10/8/2019			0.00091 (J)		<0.01	0.00053 (J)
10/9/2019	0.00049 (J)	0.0009 (J)		0.00081 (J)		
4/7/2020			0.00094 (J)	0.00082 (J)		0.00074 (J)
4/8/2020	0.00069 (J)	0.0015 (J)			0.00058 (J)	
8/17/2020				0.001 (J)	0.00077 (J)	
8/18/2020	<0.01		0.0015 (J)			0.00059 (J)
8/19/2020		0.0013 (J)				
9/28/2020					0.00062 (J)	
9/29/2020	<0.01		0.0011 (J)	0.00085 (J)		<0.01
10/1/2020		0.0012 (J)				
3/10/2021		0.0011 (J)	0.0013 (J)	0.00091 (J)		
3/15/2021	0.0011 (J)				<0.01	
3/16/2021						<0.01
9/21/2021			<0.01	<0.01	<0.01	
9/22/2021	<0.01	<0.01				<0.01
2/2/2022	<0.01	0.0012 (J)				<0.01
2/3/2022			0.0011 (J)	0.0018 (J)	<0.01	
8/30/2022				<0.01		<0.01
8/31/2022			<0.01		<0.01	
9/1/2022	<0.01	<0.01				
2/1/2023		<0.01	<0.01	<0.01	<0.01	
2/2/2023	<0.01					<0.01
8/29/2023	<0.01	<0.01			<0.01	
9/6/2023			<0.01	<0.01		<0.01
1/24/2024		<0.01	<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.01			<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1/28/2025			<0.01			
1/29/2025	<0.01	<0.01		<0.01	<0.01	<0.01
7/29/2025			<0.01			
7/30/2025	<0.01	<0.01		<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.01	<0.01	<0.01			
11/21/2000	<0.01	<0.01	<0.01			
1/20/2001	<0.01	<0.01	<0.01			
3/14/2001	<0.01	<0.01	<0.01			
7/16/2001	<0.01	<0.01	<0.01			
11/1/2001	<0.01	<0.01	<0.01			
4/25/2002	<0.01	<0.01	<0.01			
11/21/2002	0.0058	0.0041	<0.01			
6/6/2003	0.0068	0.063 (O)	<0.01			
12/12/2003	0.0041	0.0059	0.036 (O)			
5/26/2004	<0.01	<0.01				
5/27/2004			<0.01			
12/8/2004	0.0026	<0.01	0.0021			
6/21/2005		<0.01				
6/23/2005	<0.01		<0.01			
12/3/2005	<0.01					
12/4/2005		<0.01				
12/5/2005			<0.01			
4/4/2006		<0.01				
6/29/2006	0.0013	<0.01	<0.01			
8/30/2006		<0.01				
12/4/2006	<0.01	0.0036	<0.01			
2/15/2007		<0.01				
6/23/2007	<0.01	0.0016	<0.01			
9/11/2007		<0.01				
9/12/2007	<0.01		<0.01			
11/6/2007	0.0014	<0.01	<0.01			
12/12/2007	<0.01	<0.01	<0.01			
1/16/2008	<0.01	0.0048	0.0018			
3/11/2008		<0.01				
3/12/2008	<0.01					
3/13/2008			<0.01			
6/4/2008			<0.01			
6/5/2008	<0.01	<0.01				
6/24/2008	0.0014	<0.01	<0.01			
7/31/2008	<0.01	0.0018	<0.01			
11/3/2008		0.0025				
12/5/2008	<0.01	<0.01	<0.01			
3/25/2009		<0.01				
7/8/2009	<0.01	<0.01	<0.01			
9/14/2009		<0.01				
12/20/2009	<0.01	<0.01				
12/21/2009			<0.01			
3/4/2010		<0.01				
6/20/2010	<0.01					
6/21/2010		<0.01	<0.01	<0.01	0.0019	<0.01
9/14/2010		<0.01				
1/7/2011	<0.01	0.0018	<0.01	0.0018	0.0017	<0.01
4/15/2011		<0.01				
7/7/2011	<0.01	<0.01				
7/8/2011			0.0013	0.0019	0.0023	<0.01
9/25/2011		<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.01					
1/18/2012		<0.01	<0.01	<0.01	<0.01	<0.01
4/4/2012		<0.01				
7/9/2012	<0.01					
7/10/2012		<0.01	<0.01	0.0013	<0.01	<0.01
10/9/2012		0.0018				
1/18/2013	<0.01	<0.01	<0.01	0.0015	<0.01	<0.01
4/5/2013		<0.01				
7/17/2013	<0.01	<0.01	<0.01	<0.01	0.0019	<0.01
10/11/2013		<0.01				
1/13/2014	<0.01					
1/14/2014		<0.01	<0.01	0.0012 (J)	<0.01	<0.01
4/3/2014		<0.01				
7/9/2014	<0.01	<0.01	<0.01		<0.01	
7/10/2014				<0.01		<0.01
10/24/2014		<0.01				
1/12/2015				<0.01		
1/13/2015	<0.01					
1/14/2015		<0.01	<0.01		<0.01	<0.01
5/11/2015		<0.01				
7/16/2015	<0.01	<0.01				
7/17/2015					<0.01	
7/18/2015			<0.01	<0.01		<0.01
10/6/2015		<0.01				
1/17/2016	<0.01	<0.01		<0.01	<0.01	
1/18/2016			<0.01			<0.01
4/26/2016		<0.01				
7/27/2016	0.0007 (J)					
7/28/2016		0.0006 (J)		0.0007 (J)	0.0005 (J)	
7/29/2016			0.0009 (J)			0.0007 (J)
8/31/2016						<0.01
9/1/2016	0.0011 (J)	0.0011 (J)	0.0011 (J)	<0.01	<0.01	
10/25/2016	<0.01	<0.01		<0.01	<0.01	
10/26/2016			<0.01			<0.01
1/4/2017		<0.01		<0.01	<0.01	<0.01
1/5/2017	<0.01		0.0012 (J)			
4/3/2017	0.0015 (J)					
4/4/2017				0.0011 (J)	0.0008 (J)	
4/5/2017		0.001 (J)	0.0015 (J)			
4/6/2017						0.0006 (J)
7/11/2017	0.0013 (J)			0.0009 (J)		0.0005 (J)
7/12/2017		0.0011 (J)				
7/13/2017			0.0012 (J)		0.0006 (J)	
10/2/2017	0.0013 (J)			0.0009 (J)		
10/3/2017		0.0009 (J)			0.0005 (J)	
10/4/2017			0.0055 (J)			0.0006 (J)
1/9/2018	0.0012 (J)				0.0007 (J)	
1/10/2018		0.0007 (J)		0.0008 (J)		
1/11/2018			0.0009 (J)			<0.01
7/9/2018				<0.01		
7/10/2018	<0.01	<0.01			<0.01	
7/11/2018			<0.01			<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.01			
1/17/2019	<0.01	0.01 (J)			0.01	
1/18/2019						<0.01
1/21/2019				<0.01		
3/25/2019				<0.01		
3/26/2019	<0.01	<0.01	<0.01		<0.01	
3/27/2019						<0.01
8/27/2019	0.0016 (J)					0.00057 (J)
8/28/2019		0.0011 (J)	0.0013 (J)	0.00089 (J)	0.00087 (J)	
10/8/2019	0.0017 (J)	0.00099 (J)			0.00065 (J)	
10/9/2019			0.00081 (J)	0.0011 (J)		0.00072 (J)
4/7/2020	0.0014 (J)	<0.01			<0.01	0.00049 (J)
4/8/2020			0.00073 (J)	0.001 (J)		
8/18/2020	0.0018 (J)	0.0012 (J)	0.0011 (J)	0.0011 (J)	0.0012 (J)	0.00056 (J)
9/30/2020	0.0016 (J)	0.00098 (J)	0.00096 (J)	0.0013 (J)	0.00067 (J)	0.00064 (J)
3/10/2021						<0.01
3/11/2021			0.0009 (J)			
3/12/2021	0.0031 (J)			0.0014 (J)		
3/16/2021		0.0012 (J)			0.00075 (J)	
9/21/2021						<0.01
9/22/2021		0.0018 (J)	<0.01	0.0013 (J)	<0.01	
9/23/2021	0.0013 (J)					
2/1/2022		<0.01	0.0014 (J)	0.0036 (J)	<0.01	
2/3/2022	0.0016 (J)					<0.01
8/30/2022				<0.01	<0.01	
8/31/2022	<0.01		<0.01			<0.01
9/1/2022		<0.01				
2/1/2023		<0.01	<0.01	0.00503 (J)		
2/2/2023	<0.01				<0.01	<0.01
8/29/2023			<0.01			<0.01
9/6/2023		<0.01		<0.01	<0.01	
9/7/2023	<0.01					
1/23/2024						<0.01
1/24/2024	<0.01		<0.01	<0.01		
1/25/2024		<0.01			<0.01	
8/21/2024	<0.01	<0.01	<0.01	<0.01		<0.01
8/22/2024					<0.01	
1/28/2025			<0.01			<0.01
1/29/2025	<0.01	<0.01		<0.01	<0.01	
7/29/2025			<0.01	<0.01		<0.01
7/30/2025	<0.01	<0.01			<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.01	0.00069 (J)	0.0016 (J)	0.002 (J)
9/21/2021				<0.01
9/22/2021	<0.01	<0.01		
9/23/2021			<0.01	
2/1/2022		<0.01		
2/2/2022				<0.01
2/3/2022	<0.01		<0.01	
8/31/2022	<0.01		<0.01	
9/1/2022		<0.01		
2/1/2023	<0.01			
2/2/2023		<0.01	<0.01	
9/6/2023	<0.01	<0.01		
9/7/2023			<0.01	
1/24/2024	<0.01			
1/25/2024		<0.01	<0.01	<0.01
8/20/2024				<0.01
8/21/2024	<0.01	<0.01	<0.01	
1/28/2025				<0.01
1/29/2025	<0.01	<0.01	<0.01	
7/29/2025	<0.01			<0.01
7/30/2025		<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
11/21/2000	<0.005		<0.005	<0.005	<0.01	<0.001
1/20/2001	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
3/14/2001	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
7/16/2001	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
11/1/2001	<0.005	<0.001				<0.001
11/2/2001			<0.005	0.012	<0.01	
4/25/2002						<0.001
4/26/2002	<0.005	<0.001	<0.005	<0.005	<0.01	
9/11/2007		<0.001				
9/12/2007			0.0027	<0.005		<0.001
9/14/2007	<0.005				<0.0025	
11/7/2007			0.0031	<0.005		<0.001
11/8/2007	<0.005	<0.001			<0.0025	
1/17/2008			<0.005	<0.005	<0.0025	<0.001
1/18/2008	<0.005	<0.001				
3/11/2008		<0.001				
3/12/2008			0.0027			<0.001
3/13/2008	<0.005			<0.005	<0.0025	
6/4/2008	<0.005	<0.001		<0.005		<0.001
6/5/2008			<0.005		<0.0025	
7/29/2008	<0.005	<0.001				
7/30/2008			0.003	<0.005	<0.0025	
7/31/2008						<0.001
8/30/2016		<0.001		<0.005	<0.01	<0.001
9/1/2016	0.0102		0.0024 (J)			
10/24/2016		<0.001				
10/25/2016	0.0037 (J)					<0.001
10/26/2016			0.0011 (J)	<0.005	<0.01	
1/3/2017		<0.001		<0.005		
1/4/2017						<0.001
1/5/2017					<0.01	
1/6/2017	0.0039 (J)		0.001 (J)			
4/3/2017		0.0005 (J)				
4/4/2017			0.001 (J)			<0.001
4/6/2017	0.006 (J)			<0.005	<0.01	
7/11/2017		0.0005 (J)				
7/12/2017			0.0008 (J)	<0.005	<0.01	<0.001
7/13/2017	0.0037 (J)					
10/2/2017		0.0004 (J)				
10/3/2017				<0.005	<0.01	<0.001
10/4/2017	0.0058 (J)		0.001 (J)			
1/9/2018	0.0053 (J)	0.0004 (J)			<0.01	
1/10/2018				0.0004 (J)		<0.001
1/11/2018			0.0008 (J)			
7/9/2018		<0.001				
7/10/2018				0.002 (J)	<0.01	<0.001
7/11/2018	<0.05 (O)		<0.005			
1/16/2019						<0.001
8/26/2019	0.0037 (J)	0.00042 (J)				
8/27/2019			0.0011 (J)		0.00038 (J)	<0.001
8/28/2019				0.0024 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
10/7/2019		0.00046 (J)				
10/8/2019	0.0028 (J)					
10/9/2019			0.0015 (J)	0.0037 (J)	<0.025	<0.001
4/6/2020	0.0021 (J)	0.00036 (J)				
4/7/2020			0.0009 (J)	0.00053 (J)	<0.025	<0.001
8/17/2020		<0.001				
8/19/2020	0.0021 (J)		0.00072 (J)	<0.005	<0.005	<0.001
9/28/2020	<0.005	<0.001				<0.001
9/30/2020				0.00056 (J)	<0.005	
10/1/2020			0.0005 (J)			
3/10/2021			0.00069 (J)	0.0057	<0.005	<0.001
3/11/2021	0.0023 (J)					
3/12/2021		0.00058 (J)				
9/21/2021	<0.005	<0.001	<0.005	0.019	0.0049 (J)	
9/23/2021						<0.001
11/10/2021				0.041		
1/31/2022	<0.005	0.00044 (J)				
2/2/2022			0.0027 (J)		0.07	
2/3/2022				0.019		<0.001
8/30/2022	0.00134	0.00042 (J)	0.00198	0.00401	0.0476	
9/1/2022						<0.001
1/31/2023	0.00114	0.000378 (J)				
2/1/2023				0.00291	0.0228	
2/2/2023			0.00937			<0.001
8/28/2023	0.00156	<0.001				
8/29/2023			0.0122	0.00139	0.0709	<0.001
1/23/2024	<0.005	0.000302 (J)			0.0222	<0.001
2/7/2024			0.0126			
2/8/2024				0.00521		
8/19/2024	0.0015					
8/20/2024			0.00204		0.0368	<0.001
8/21/2024		0.000413 (J)		0.00156		
1/27/2025		0.000367 (J)				
1/28/2025	0.00127		0.0131		0.021	
1/29/2025				0.000703 (J)		<0.001
7/28/2025	0.00158	0.000397 (J)	0.00252			
7/29/2025					0.0285	<0.001
7/30/2025				0.000888 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.0025	<0.001	<0.0025	<0.001	<0.001
11/21/2000	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
1/20/2001	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
3/14/2001	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
7/16/2001	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
11/1/2001	<0.001		<0.001	<0.0025	<0.001	<0.001
11/2/2001		<0.0025				
4/25/2002	<0.001					<0.001
4/26/2002		<0.0025	<0.001	<0.0025	<0.001	
9/11/2007						<0.001
9/12/2007	<0.001					
9/13/2007		<0.0025	<0.001	<0.0025	<0.001	
11/6/2007	<0.001					<0.001
11/7/2007				<0.0025	<0.001	
11/8/2007		<0.0025	<0.001			
1/15/2008			<0.001	<0.0025	<0.001	
1/16/2008	<0.001	<0.0025				<0.001
3/11/2008				<0.0025	<0.001	<0.001
3/12/2008	<0.001	<0.0025				
3/13/2008			<0.001			
6/3/2008			<0.001	<0.0025	<0.001	
6/4/2008		<0.0025				
6/5/2008	<0.001					<0.001
7/29/2008		<0.0025	<0.001			
7/30/2008				<0.0025	<0.001	
7/31/2008	<0.001					<0.001
8/31/2016	<0.001	0.0021 (J)	<0.001	0.0018 (J)	<0.001	
9/1/2016						<0.001
10/25/2016						<0.001
10/26/2016	0.0011 (J)		<0.001	0.0016 (J)	<0.001	
10/27/2016		0.0017 (J)				
1/4/2017			<0.001	0.0014 (J)		
1/5/2017	<0.001				<0.001	<0.001
1/6/2017		0.0017 (J)				
4/4/2017	<0.001					<0.001
4/5/2017				0.0013 (J)		
4/6/2017		0.0017 (J)	<0.001		<0.001	
7/10/2017				0.0013 (J)		
7/11/2017			<0.001			0.0003 (J)
7/12/2017		0.0016 (J)			<0.001	
7/13/2017	0.0003 (J)					
10/2/2017						<0.001
10/3/2017	0.0003 (J)		<0.001			
10/4/2017		0.0015 (J)		0.0011 (J)	<0.001	
1/9/2018						<0.001
1/10/2018	<0.001				<0.001	
1/11/2018		0.0017 (J)	0.0003 (J)	0.0011 (J)		
7/9/2018						<0.001
7/10/2018	<0.001					
7/11/2018		0.0017 (J)	<0.001	0.00096 (J)	<0.001	
3/26/2019					<0.001	
7/30/2019	0.00032 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/27/2019	<0.001		<0.001	0.0009 (J)	<0.001	<0.001
8/28/2019		0.00099 (J)				
10/8/2019			<0.001		<0.001	<0.001
10/9/2019	<0.001	0.00099 (J)		0.00094 (J)		
4/7/2020			<0.001	0.00077 (J)		<0.001
4/8/2020	0.00036 (J)	0.001 (J)			<0.001	
8/17/2020				0.0006 (J)	<0.001	
8/18/2020	<0.001		0.0004 (J)			<0.001
8/19/2020		0.0011 (J)				
9/28/2020					<0.001	
9/29/2020	<0.001		0.00055 (J)	0.00057 (J)		<0.001
10/1/2020		0.00099 (J)				
3/10/2021		0.00096 (J)	0.00082 (J)	0.00071 (J)		
3/15/2021	<0.001				<0.001	
3/16/2021						<0.001
9/21/2021			<0.001	0.00065 (J)	<0.001	
9/22/2021	<0.001	0.00082 (J)				<0.001
2/2/2022	<0.001	0.00096 (J)				<0.001
2/3/2022			<0.001	0.00072 (J)	<0.001	
8/30/2022				0.000786 (J)		<0.001
8/31/2022			0.000646 (J)		<0.001	
9/1/2022	<0.001	0.00093 (J)				
2/1/2023		0.00083 (J)	0.00118	0.000753 (J)	<0.001	
2/2/2023	<0.001					<0.001
8/29/2023	<0.001	0.000744 (J)			<0.001	
9/6/2023			0.000794 (J)	0.000732 (J)		<0.001
1/24/2024		0.000899 (J)	0.000522 (J)			
1/25/2024	<0.001			0.000751 (J)	<0.001	<0.001
8/21/2024	<0.001	0.00096 (J)	<0.001	0.000768 (J)	<0.001	<0.001
1/28/2025			0.000527 (J)			
1/29/2025	<0.001	0.000944 (J)		0.000647 (J)	<0.001	<0.001
7/29/2025			0.000469 (J)			
7/30/2025	<0.001	0.00104		0.000595 (J)	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.001	<0.001	<0.0025			
11/21/2000	<0.001	<0.001	<0.0025			
1/20/2001	<0.001	<0.001	<0.0025			
3/14/2001	<0.001	<0.001	<0.0025			
7/16/2001	<0.001	<0.001	<0.0025			
11/1/2001	<0.001	<0.001	<0.0025			
4/25/2002	<0.001	<0.001	<0.0025			
9/11/2007		<0.001				
9/12/2007	<0.001		<0.0025			
11/6/2007	<0.001	<0.001	<0.0025			
1/16/2008	<0.001	<0.001	<0.0025			
3/11/2008		<0.001				
3/12/2008	<0.001					
3/13/2008			<0.0025			
6/4/2008			<0.0025			
6/5/2008	<0.001	<0.001				
7/31/2008	<0.001	<0.001	<0.0025			
8/31/2016						0.001 (J)
9/1/2016	<0.001	<0.001	0.0046 (J)	<0.001	<0.001	
10/25/2016	<0.001	<0.001		<0.001	<0.001	
10/26/2016			0.0046 (J)			0.0009 (J)
1/4/2017		<0.001		<0.001	<0.001	0.0007 (J)
1/5/2017	<0.001		0.0062 (J)			
4/3/2017	<0.001					
4/4/2017				<0.001	<0.001	
4/5/2017		<0.001	0.007 (J)			
4/6/2017						<0.001
7/11/2017	<0.001			<0.001		<0.001
7/12/2017		<0.001				
7/13/2017			0.0077 (J)		<0.001	
10/2/2017	<0.001			<0.001		
10/3/2017		<0.001			<0.001	
10/4/2017			0.0073 (J)			0.0007 (J)
1/9/2018	<0.001				<0.001	
1/10/2018		<0.001		<0.001		
1/11/2018			0.0061 (J)			<0.001
7/9/2018				<0.001		
7/10/2018	<0.001	<0.001			<0.001	
7/11/2018			0.0064 (J)			<0.001
8/27/2019	<0.001					0.00077 (J)
8/28/2019		<0.001	0.0023 (J)	<0.001	<0.001	
10/8/2019	<0.001	<0.001			<0.001	
10/9/2019			0.0024 (J)	<0.001		<0.001
4/7/2020	<0.001	<0.001			<0.001	0.00037 (J)
4/8/2020			0.0024 (J)	<0.001		
8/18/2020	<0.001	<0.001	0.0025 (J)	<0.001	<0.001	<0.001
9/30/2020	<0.001	<0.001	0.0018 (J)	<0.001	<0.001	<0.001
3/10/2021						<0.001
3/11/2021			0.0019 (J)			
3/12/2021	<0.001			<0.001		
3/16/2021		<0.001			<0.001	
9/21/2021						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/22/2021		<0.001	0.0028 (J)	<0.001	<0.001	
9/23/2021	<0.001					
2/1/2022		<0.001	0.0036 (J)	<0.001	<0.001	
2/3/2022	<0.001					<0.001
8/30/2022				<0.001	<0.001	
8/31/2022	<0.001		0.00358			<0.001
9/1/2022		<0.001				
2/1/2023		<0.001	0.00265	<0.001		
2/2/2023	<0.001				<0.001	<0.001
8/29/2023			0.00268			0.000817 (J)
9/6/2023		<0.001		<0.001	<0.001	
9/7/2023	<0.001					
1/23/2024						<0.001
1/24/2024	<0.001		0.00264	<0.001		
1/25/2024		<0.001			<0.001	
8/21/2024	<0.001	<0.001	0.00256	<0.001		<0.001
8/22/2024					<0.001	
1/28/2025			0.00242			<0.001
1/29/2025	<0.001	<0.001		<0.001	<0.001	
7/29/2025			0.00264	<0.001		0.00105
7/30/2025	<0.001	<0.001			<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.001	<0.001	<0.001	<0.001
9/21/2021				<0.001
9/22/2021	<0.001	<0.001		
9/23/2021			<0.001	
2/1/2022		<0.001		
2/2/2022				<0.001
2/3/2022	<0.001		<0.001	
8/31/2022	<0.001		<0.001	
9/1/2022		<0.001		
2/1/2023	<0.001			
2/2/2023		<0.001	<0.001	
9/6/2023	<0.001	<0.001		
9/7/2023			<0.001	
1/24/2024	<0.001			
1/25/2024		<0.001	<0.001	<0.001
8/20/2024				<0.001
8/21/2024	<0.001	<0.001	<0.001	
1/28/2025				<0.001
1/29/2025	<0.001	<0.001	<0.001	
7/29/2025	<0.001			<0.001
7/30/2025		<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		2.72		1.81	2.19	2.36
9/1/2016	11		5.27			
10/24/2016		2.96				
10/25/2016	10.5					2.02
10/26/2016			2.32	2.03	2.67	
1/3/2017		2.76		1.85		
1/4/2017						2.1
1/5/2017					3.74	
1/6/2017	6.81		5.1			
4/3/2017		1.36				
4/4/2017			5			1.39
4/6/2017	8.93			2.66	2.36	
7/11/2017		1.85				
7/12/2017			2.69	2.1	1.54	1.63
7/13/2017	8.51					
10/2/2017		1.9				
10/3/2017				2	3.63	1.84
10/4/2017	3.85		4.82			
1/9/2018	4.28	2.39			2.07	
1/10/2018				2.55		2.11
1/11/2018			4.48			
7/9/2018		1.49				
7/10/2018				3.14	1.63	1.29
7/11/2018	5.99		2.69			
8/26/2019	6.03	3.03				
8/27/2019			2.97		4.63	2.41
8/28/2019				3.74		
10/7/2019		2.83				
10/8/2019	33.8 (O)					
10/9/2019			2.17	7.23	5.45	3.13
4/6/2020	25.7 (O)	2.83				
4/7/2020			2.44	3.57	6.25	1.97
8/17/2020		2.63				
8/19/2020	5.45		3.1	2.49	4.53	1.91
9/28/2020	22.4 (O)	2.08				1.29
9/30/2020				4.45	6.39	
10/1/2020			2.6			
3/10/2021			2.11	4.67	4.61	1.7
3/11/2021	3.22					
3/12/2021		2.17				
9/21/2021	10.3	0.73 (U)	2.45	3.1	5.07	
9/23/2021						1.48
1/31/2022	8.46	1.01				
2/2/2022			3.17		4.79	
2/3/2022				2.65		1
8/30/2022	2.75	1.97	5.57	3.36	3.2	
9/1/2022						0.911 (U)
1/31/2023	3.86	1.96 (U)				
2/1/2023				3.28	4.93	
2/2/2023			5.79			3.54
8/28/2023	1.69	1.84				
8/29/2023			3.86	1.63	8.19	2.65

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/23/2024	4.64	3.11			8.24	2.9
2/7/2024			5.48			
2/8/2024				6.35		
8/19/2024	3.16					
8/20/2024			7.26		6.12	0.492 (U)
8/21/2024		4.29		2.85		
1/27/2025		2.69				
1/28/2025	6.72		6.75		7.86	
1/29/2025				3.5		2.2
7/28/2025	1.93	3.41	6.49			
7/29/2025					10	1.92
7/30/2025				5.23		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	1.01	3.3	2.2	2.61	1.23	
9/1/2016						1.28
10/25/2016						1.54
10/26/2016	0.725		1.96	3.28	0.641	
10/27/2016		2.7				
1/4/2017			1.88	3.77		
1/5/2017	0.735				0.657	0.715
1/6/2017		4.45				
4/4/2017	0.87					0.699
4/5/2017				3.25		
4/6/2017		3.1	0.893 (U)		0.439	
7/10/2017				1.55		
7/11/2017			1.89			1.12
7/12/2017		2.73			0.414 (U)	
7/13/2017	0.42 (U)					
10/2/2017						0.855 (U)
10/3/2017	0.995 (U)		4.73			
10/4/2017		8.16		1.68	1.33	
1/9/2018						0.861 (U)
1/10/2018	0.698 (U)				1.21	
1/11/2018		2.31	7.49	2.94		
7/9/2018						0.693 (U)
7/10/2018	1.01					
7/11/2018		3.31	5.88	2.03	1.4	
8/27/2019	0.787 (U)		5.09	2.09	1.27	1.32
8/28/2019		1.91				
10/8/2019			6.39		1.62	1.41
10/9/2019	0.22 (U)	3.09		3.11		
4/7/2020			7.87	2.18		1.41
4/8/2020	1.13 (U)	1.92			1.08	
8/17/2020				2.25	1.42	
8/18/2020	1.09 (U)		6.76			0.731 (U)
8/19/2020		2.34				
9/28/2020					1.28	
9/29/2020	1 (U)		8.3	0.845 (U)		0.331 (U)
10/1/2020		3.3				
3/10/2021		2.08	7.55	1.77		
3/15/2021	0.804 (U)				0.769 (U)	
3/16/2021						0.0831 (U)
9/21/2021			4.35	1.24 (U)	2.09	
9/22/2021	0.769 (U)	2.08				1.94 (U)
2/2/2022	0.854 (U)	0.967 (U)				0.881 (U)
2/3/2022			4.04	0.957	1.18	
8/30/2022				3.37		2.62
8/31/2022			6.34		1.9	
9/1/2022	2.09	2.35				
2/1/2023		4.17	5.87	2.07	2.85	
2/2/2023	1.11 (U)					1.31 (U)
8/29/2023	2.49	1.44			2.36	
9/6/2023			9.23	2.02		0.609 (U)
1/24/2024		1.36 (U)	7.06			
1/25/2024	1.99			0.675 (U)	2.37	0.586 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/21/2024	2.07	2.54	5.48	2.54	1.23 (U)	0.715 (U)
1/28/2025			2.64			
1/29/2025	0.453 (U)	2.76		2.67	2.56	1.05 (U)
7/29/2025			3.35			
7/30/2025	2.45	3.25		2.02	5.81	1.06 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						5.96
9/1/2016	2.45	1.99	5.19	2.21	1.05	
10/25/2016	1.04	1.98		1.51	1.2	
10/26/2016			4.25			7.42
1/4/2017		1.72		2.56	2.11	6.07
1/5/2017	1.36		3.55			
4/3/2017	0.697					
4/4/2017				1.77	2.02	
4/5/2017		1.72	4.39			
4/6/2017						3
7/11/2017	0.754 (U)			2.76		4.2
7/12/2017		1.11				
7/13/2017			2.44		0.576 (U)	
10/2/2017	1.52			4.15		
10/3/2017		2.13			0.86 (U)	
10/4/2017			4.95			7.16
1/9/2018	1.17				1.43	
1/10/2018		1.74		1.96		
1/11/2018			3.53			3.57
7/9/2018				1.11		
7/10/2018	1.26	1.97			1.63	
7/11/2018			3.13			7.57
8/27/2019	1.75					7.04
8/28/2019		2.04	2.01	1.13 (U)	1.4 (U)	
10/8/2019	1.52	1.89			1.88	
10/9/2019			2.91	2.28		3.68
4/7/2020	1.82	4.17			1.8	7.66
4/8/2020			2.79	4.19		
8/18/2020	1.84	4.24	3.11	6.86	3.27	7.65
9/30/2020	2.14	2.47	3.09	5.62	3.83	2.79
3/10/2021						2.53
3/11/2021			2.77			
3/12/2021	0.607 (U)			5.17		
3/16/2021		2.15			2.88	
9/21/2021						1.25 (U)
9/22/2021		3.06	2.36	6.84	0.959 (U)	
9/23/2021	1.64					
2/1/2022		2.73	2.51	5.11	2.51	
2/3/2022	0.58 (U)					1.4
8/30/2022				4.95	2.56	
8/31/2022	2.88		2.72			3.07
9/1/2022		1.64 (U)				
2/1/2023		3.17	2.83	5.77		
2/2/2023	3.14				3.73	4.13
8/29/2023			2.77			11.3
9/6/2023		3.42		2.12	4.2	
9/7/2023	2.28					
1/23/2024						6.54
1/24/2024	0.775 (U)		0.437 (U)	1.78		
1/25/2024		4			4.12	
8/21/2024	2.48	3.92	2.46	4.17		2.35
8/22/2024					4.52	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/28/2025			1.17 (U)			5.68
1/29/2025	1.92	3.73		3.27	6.55	
7/29/2025			1.45 (U)	4.59		11.5
7/30/2025	2.37	4.67			5.11	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	1.55	1.29	0.353 (U)	0.783 (U)
9/21/2021				0.815 (U)
9/22/2021	1.4	0.982 (U)		
9/23/2021			1.15	
2/1/2022		0.36 (U)		
2/2/2022				0.249 (U)
2/3/2022	1.21		0.278 (U)	
8/31/2022	1.79		0.645 (U)	
9/1/2022		3.54		
2/1/2023	2.44			
2/2/2023		2.52 (U)	2.98	
9/6/2023	3.47	1.73		
9/7/2023			1.75	
1/24/2024	1.3 (U)			
1/25/2024		1.68	1.04 (U)	1.64 (U)
8/20/2024				1.84
8/21/2024	0.517 (U)	3.94	1.22 (U)	
1/28/2025				1.45 (U)
1/29/2025	0.997 (U)	1.6 (U)	1.51 (U)	
7/29/2025	3.24			2.5
7/30/2025		1.1 (U)	2.48	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		0.1 (J)		0.04 (J)	0.09 (J)	0.22 (J)
9/1/2016	<0.1		<0.2			
10/24/2016		0.18 (J)				
10/25/2016	0.07 (J)					<0.1
10/26/2016			0.05 (J)	0.05 (J)	0.24 (J)	
1/3/2017		0.18 (J)		0.08 (J)		
1/4/2017						0.18 (J)
1/5/2017					0.11 (J)	
1/6/2017	0.2 (J)		0.08 (J)			
4/3/2017		0.12 (J)				
4/4/2017			<0.2			<0.1
4/6/2017	0.05 (J)			0.006 (J)	0.3	
7/11/2017		0.39				
7/12/2017			0.38	0.05 (J)	0.15 (J)	0.04 (J)
7/13/2017	0.41					
10/2/2017		0.12 (J)				
10/3/2017				0.11 (J)	0.11 (J)	<0.1
10/4/2017	0.04 (J)		<0.2			
1/9/2018	0.46	0.21 (J)			<0.2	
1/10/2018				<0.1		<0.1
1/11/2018			<0.2			
7/9/2018		0.04 (J)				
7/10/2018				0.2 (J)	<0.2	<0.1
7/11/2018	<0.1		<0.2			
1/16/2019	0.49	<0.1	1.2	<0.1	0.053 (J)	<0.1
3/25/2019	0.21 (J)	0.082 (J)	0.064 (J)			
3/26/2019				<0.1	0.046 (J)	0.051 (J)
8/26/2019	<0.1	0.13				
8/27/2019			0.031 (J)		0.13 (J)	<0.1
8/28/2019				0.097 (J)		
10/7/2019		<0.1				
10/8/2019	<0.1					
10/9/2019			<0.2	<0.1	<0.2	<0.1
4/6/2020	0.13 (J)	0.089 (J)				
4/7/2020			<0.2	<0.1	<0.2	<0.1
8/17/2020		0.079 (J)				
8/19/2020	0.21		0.17	<0.1	<0.2	<0.1
9/28/2020	0.069 (J)	<0.1				<0.1
9/30/2020				<0.1	<0.2	
10/1/2020			<0.2			
3/10/2021			<0.2	<0.1	<0.2	<0.1
3/11/2021	<0.1					
3/12/2021		0.087 (J)				
9/21/2021	0.077 (J)	0.068 (J)	<0.2	<0.1	<0.2	
9/23/2021						<0.1
1/31/2022	<0.1	0.09 (J)				
2/2/2022			<0.2		<0.2	
2/3/2022				0.081 (J)		<0.1
8/30/2022	0.0391 (J)	0.0759 (J)	<0.2	0.0428 (J)	<0.2	
9/1/2022						<0.1
1/31/2023	0.051 (J)	0.0842 (J)				
2/1/2023				0.0546 (J)	<0.2	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
2/2/2023			<0.2			<0.1
8/28/2023	<0.1	0.0498 (J)				
8/29/2023			<0.2	<0.1	0.0523 (J)	0.0596 (J)
1/23/2024	0.0367 (J)	0.0641 (J)			<0.2	<0.1
1/24/2024				<0.1		
1/25/2024			<0.2			
2/7/2024			<0.2			
2/8/2024				<0.1		
8/19/2024	0.061 (J)					
8/20/2024			<0.2		0.0768 (J)	<0.1
8/21/2024		0.108		0.0435 (J)		
1/27/2025		0.0768 (J)				
1/28/2025	0.0568 (J)		<0.2		<0.2	
1/29/2025				<0.1		<0.1
7/28/2025	0.0506 (J)	0.0842 (J)	0.0357 (J)			
7/29/2025					0.0648 (J)	<0.1
7/30/2025				<0.1		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	0.07 (J)	0.55	<0.1	0.7	<0.1	
9/1/2016						0.25 (J)
10/25/2016						0.43
10/26/2016	0.62		<0.1	0.91	0.55	
10/27/2016		0.26 (J)				
1/4/2017			<0.1	0.51		
1/5/2017	0.17 (J)				0.09 (J)	0.21 (J)
1/6/2017		0.25 (J)				
4/4/2017	0.08 (J)					0.45
4/5/2017				0.71		
4/6/2017		0.16 (J)	<0.1		<0.1	
7/10/2017				0.88		
7/11/2017			<0.1			0.41
7/12/2017		0.2 (J)			<0.1	
7/13/2017	0.06 (J)					
10/2/2017						<0.1
10/3/2017	0.06 (J)		<0.1			
10/4/2017		0.22 (J)		0.37	<0.1	
1/9/2018						<0.1
1/10/2018	<0.1				<0.1	
1/11/2018		0.98	<0.1	1.4		
7/9/2018						<0.1
7/10/2018	<0.1					
7/11/2018		0.14 (J)	<0.1	0.62	<0.1	
1/16/2019					<0.1	<0.1
1/17/2019			<0.1	1.2		
1/18/2019		0.24 (J)				
1/21/2019	<0.1					
3/26/2019					0.052 (J)	0.13 (J)
3/27/2019		0.13 (J)	<0.1	0.036 (J)		
7/30/2019	0.083 (J)					
8/27/2019	<0.1		<0.1	0.3	<0.1	<0.1
8/28/2019		0.088 (J)				
10/8/2019			<0.1		<0.1	<0.1
10/9/2019	<0.1	0.068 (J)		<0.3		
4/7/2020			<0.1	0.27 (J)		<0.1
4/8/2020	<0.1	0.058 (J)			<0.1	
8/17/2020				0.19	<0.1	
8/18/2020	<0.1		<0.1			<0.1
8/19/2020		0.092 (J)				
9/28/2020					<0.1	
9/29/2020	<0.1		<0.1	0.16		<0.1
10/1/2020		<0.1				
3/10/2021		0.066 (J)	<0.1	0.14		
3/15/2021	<0.1				<0.1	
3/16/2021						<0.1
9/21/2021			<0.1	0.31	<0.1	
9/22/2021	<0.1	0.13				<0.1
2/2/2022	<0.1	<0.1				<0.1
2/3/2022			<0.1	0.36	<0.1	
8/30/2022				0.273		<0.1
8/31/2022			<0.1		0.051 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/1/2022	<0.1	0.0783 (J)				
2/1/2023		0.0994 (J)	<0.1	0.231	0.0423 (J)	
2/2/2023	<0.1					<0.1
8/29/2023	<0.1	0.115			<0.1	
9/6/2023			<0.1	0.238		<0.1
1/24/2024		0.0618 (J)	<0.1			
1/25/2024	0.0377 (J)			0.182	<0.1	<0.1
8/21/2024	0.0532 (J)	0.134	<0.1	0.194	0.0496 (J)	<0.1
1/28/2025			<0.1			
1/29/2025	0.0517 (J)	0.0734 (J)		0.232	<0.1	<0.1
7/29/2025			<0.1			
7/30/2025	0.0506 (J)	0.0743 (J)		0.137	<0.1	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						0.04 (J)
9/1/2016	<0.1	0.55	0.68	<0.5	<0.1	
10/25/2016	0.5	0.36		<0.5	<0.1	
10/26/2016			0.68			0.12 (J)
1/4/2017		0.1 (J)		0.04 (J)	<0.1	0.06 (J)
1/5/2017	0.22 (J)		0.73			
4/3/2017	<0.1					
4/4/2017				0.02 (J)	<0.1	
4/5/2017		0.2 (J)	1.6			
4/6/2017						<0.1
7/11/2017	0.06 (J)			0.14 (J)		0.03 (J)
7/12/2017		0.04 (J)				
7/13/2017			1.7		<0.1	
10/2/2017	<0.1			<0.5		
10/3/2017		0.86			<0.1	
10/4/2017			1.8			0.12 (J)
1/9/2018	<0.1				<0.1	
1/10/2018		<0.1		<0.5		
1/11/2018			1.5			<0.1
7/9/2018				<0.5		
7/10/2018	0.15 (J)	<0.1			<0.1	
7/11/2018			1.8			<0.1
1/16/2019			1.4			
1/17/2019	<0.1	<0.1			<0.1	
1/18/2019						<0.1
1/21/2019				<0.5		
3/25/2019				0.043 (J)		
3/26/2019	0.13 (J)	0.11 (J)	0.89		0.071 (J)	
3/27/2019						<0.1
8/27/2019	<0.1					0.1
8/28/2019		<0.1	0.61	<0.5	<0.1	
10/8/2019	<0.1	<0.1			<0.1	
10/9/2019			<0.3	<0.5		<0.1
4/7/2020	<0.1	<0.1			<0.1	<0.1
4/8/2020			0.55	<0.5		
8/18/2020	<0.1	<0.1	0.51	<0.5	<0.1	<0.1
9/30/2020	<0.1	<0.1	0.15	<0.5	<0.1	<0.1
3/10/2021						<0.1
3/11/2021			0.42			
3/12/2021	<0.1			<0.5		
3/16/2021		<0.1			<0.1	
9/21/2021						<0.1
9/22/2021		<0.1	0.79	<0.5	<0.1	
9/23/2021	<0.1					
2/1/2022		<0.1	0.68	<0.5	<0.1	
2/3/2022	<0.1					<0.1
8/30/2022				<0.5	<0.1	
8/31/2022	<0.1		0.442			<0.1
9/1/2022		0.0374 (J)				
2/1/2023		0.0702 (J)	0.604	<0.5		
2/2/2023	<0.1				<0.1	<0.1
8/29/2023			0.572			0.0758 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/6/2023		<0.1		<0.5	<0.1	
9/7/2023	<0.1					
1/23/2024						<0.1
1/24/2024	<0.1		0.416	<0.5		
1/25/2024		<0.1			<0.1	
8/21/2024	<0.1	<0.1	0.642	0.168		<0.1
8/22/2024					<0.1	
1/28/2025			0.437			<0.1
1/29/2025	<0.1	<0.1		<0.5	<0.1	
7/29/2025			0.418	0.269 (J)		0.0732 (J)
7/30/2025	<0.1	<0.1			<0.1	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.11	<0.1
1/21/2021	<0.1	<0.1		
3/11/2021	<0.1	<0.1	0.12	<0.1
9/21/2021				<0.1
9/22/2021	<0.1	<0.1		
9/23/2021			0.096 (J)	
2/1/2022		<0.1		
2/2/2022				<0.1
2/3/2022	<0.1		0.077 (J)	
8/31/2022	0.0791 (J)		0.187	
9/1/2022		<0.1		
2/1/2023	0.0586 (J)			
2/2/2023		<0.1	0.152	
9/6/2023	0.13	0.147		
9/7/2023			0.198	
1/24/2024	0.0432 (J)			
1/25/2024		<0.1	0.168	<0.1
8/20/2024				0.0444 (J)
8/21/2024	0.0361 (J)	0.037 (J)	0.216	
1/28/2025				<0.1
1/29/2025	0.0432 (J)	0.0457 (J)	0.119	
7/29/2025	<0.1			0.0444 (J)
7/30/2025		0.0345 (J)	0.11	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.005	<0.002	0.0083	0.017 (O)	<0.002	<0.002
11/21/2000	<0.005		0.0052	<0.002	<0.002	<0.002
1/20/2001	<0.005	<0.002	<0.002	0.011	<0.002	<0.002
3/14/2001	<0.005	<0.002	<0.002	0.026 (O)	<0.002	<0.002
7/16/2001	<0.005	<0.002	0.011	0.043 (O)	<0.002	<0.002
11/1/2001	<0.005	<0.002				<0.002
11/2/2001			<0.002	0.075 (O)	<0.002	
4/25/2002						<0.002
4/26/2002	<0.005	<0.002	<0.002	<0.002	<0.002	
11/20/2002			0.018 (O)	0.057 (O)	0.0057	<0.002
11/21/2002		<0.002				
6/6/2003	0.037 (O)	0.016 (O)	0.015 (O)	0.16 (O)	0.013	<0.002
12/12/2003	0.008	0.0095	0.0072	<0.002	<0.002	
12/17/2003						<0.002
5/26/2004	<0.005	<0.002	0.0055	0.011	<0.002	<0.002
12/8/2004	<0.005	<0.002				<0.002
12/10/2004			<0.002	0.038 (O)	<0.002	
6/21/2005	<0.005	<0.002	<0.002	0.036 (O)	<0.002	<0.002
12/3/2005	<0.005	<0.002				
12/4/2005						<0.002
12/5/2005			<0.002	<0.002	<0.002	
4/4/2006		<0.002				
6/27/2006	<0.005	<0.002	0.024 (O)	<0.002		<0.002
6/29/2006					<0.002	
8/30/2006		<0.002				
12/3/2006	<0.005	<0.002				
12/4/2006			0.023 (O)	<0.002	<0.002	<0.002
2/15/2007		<0.002				
6/23/2007	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2007		<0.002				
9/12/2007			<0.002	<0.002		<0.002
9/14/2007	<0.005				<0.002	
11/7/2007			<0.002	<0.002		<0.002
11/8/2007	<0.005	<0.002			<0.002	
12/11/2007	<0.005	<0.002			<0.002	
12/12/2007			<0.002	<0.002		<0.002
1/17/2008			<0.002	<0.002	<0.002	<0.002
1/18/2008	<0.005	<0.002				
3/11/2008		<0.002				
3/12/2008			<0.002			<0.002
3/13/2008	<0.005			<0.002	<0.002	
6/4/2008	<0.005	<0.002		<0.002		<0.002
6/5/2008			<0.002		<0.002	
6/23/2008	<0.005	<0.002				
6/24/2008			0.02 (O)	<0.002	0.02	<0.002
7/29/2008	<0.005	<0.002				
7/30/2008			0.018	<0.002	<0.002	
7/31/2008						<0.002
11/3/2008		<0.002				
12/4/2008	<0.005	<0.002				
12/5/2008			<0.002	<0.002	<0.002	<0.002
3/25/2009		<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2009		<0.002				
12/20/2009	<0.005	<0.002				<0.002
12/21/2009			<0.002	<0.002	<0.002	
3/4/2010		<0.002				
6/20/2010	<0.005	<0.002		<0.002	<0.002	<0.002
6/21/2010			<0.002			
9/14/2010		<0.002				
1/6/2011				<0.002		<0.002
1/7/2011	<0.005	<0.002	<0.002		<0.002	
4/15/2011		<0.002				
7/7/2011	<0.005	<0.002		<0.002	<0.002	<0.002
7/8/2011			<0.002			
9/25/2011		<0.002				
1/17/2012	<0.005	<0.002		<0.002		<0.002
1/18/2012			<0.002		<0.002	
4/4/2012		<0.002				
7/9/2012	<0.005			<0.002		<0.002
7/10/2012		<0.002	<0.002		<0.002	
10/9/2012		<0.002				
1/17/2013				<0.002		<0.002
1/18/2013	<0.005	<0.002	<0.002		<0.002	
4/5/2013		<0.002				
7/16/2013				<0.002		<0.002
7/17/2013	<0.005	<0.002	<0.002		<0.002	
10/11/2013		<0.002				
1/13/2014	0.013			<0.002		<0.002
1/14/2014		<0.002	0.0047 (J)		<0.002	
4/3/2014		<0.002				
7/9/2014	0.0076 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
10/24/2014		<0.002				
1/12/2015			<0.002			
1/13/2015	0.0057 (J)			<0.002		<0.002
1/14/2015		<0.002			<0.002	
5/10/2015		<0.002				
7/16/2015	0.009 (J)		<0.002	<0.002		<0.002
7/17/2015		<0.002			<0.002	
10/6/2015		<0.002				
1/17/2016						<0.002
1/18/2016	0.0094 (J)	<0.002	0.0055 (J)	<0.002	<0.002	
4/26/2016		<0.002				
7/27/2016	0.0058			<0.002		<0.002
7/28/2016		<0.002			<0.002	
7/29/2016			0.003 (J)			
8/30/2016		<0.002		<0.002	<0.002	<0.002
9/1/2016	0.0663 (O)		0.0166 (O)			
10/24/2016		<0.002				
10/25/2016	0.0003 (J)					<0.002
10/26/2016			0.0057	0.0002 (J)	<0.002	
1/3/2017		0.0001 (J)		0.0001 (J)		
1/4/2017						<0.002
1/5/2017					0.0003 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.006		0.0053			
4/3/2017		0.0002 (J)				
4/4/2017			0.0092			<0.002
4/6/2017	0.0109			0.0003 (J)	0.0002 (J)	
7/11/2017		0.0001 (J)				
7/12/2017			0.006	0.0002 (J)	0.0002 (J)	<0.002
7/13/2017	0.007					
10/2/2017		0.0001 (J)				
10/3/2017				0.0002 (J)	0.0001 (J)	<0.002
10/4/2017	0.0042 (J)		0.0057			
1/9/2018	0.0098	0.0001 (J)			0.0003 (J)	
1/10/2018				0.0003 (J)		0.0001 (J)
1/11/2018			0.0085			
7/9/2018		<0.002				
7/10/2018				<0.002	<0.002	<0.002
7/11/2018	0.0028 (J)		0.0029 (J)			
1/16/2019	<0.025 (O)	<0.002	<0.002	<0.002	<0.002	<0.002
3/25/2019	0.0019 (J)	<0.002	<0.002			
3/26/2019				<0.002	<0.002	<0.002
8/26/2019	0.013 (J)	<0.002				
8/27/2019			0.001 (J)		0.0011 (J)	<0.002
8/28/2019				0.0011 (J)		
10/7/2019		<0.002				
10/8/2019	0.0098 (J)					
10/9/2019			0.00041 (J)	0.0025 (J)	0.00033 (J)	<0.002
4/6/2020	0.0024 (J)	0.0001 (J)				
4/7/2020			0.00073 (J)	0.0014 (J)	0.00063 (J)	0.00012 (J)
8/17/2020		<0.002				
8/19/2020	0.0044 (J)		0.00048 (J)	7.9E-05 (J)	0.00014 (J)	<0.002
9/28/2020	0.0043 (J)	<0.002				4.3E-05 (J)
9/30/2020				0.0012 (J)	8E-05 (J)	
10/1/2020			0.00026 (J)			
3/10/2021			0.0003 (J)	5.2E-05 (J)	9.6E-05 (J)	0.0001 (J)
3/11/2021	0.0079					
3/12/2021		9.3E-05 (J)				
9/21/2021	<0.005	<0.002	<0.002	<0.002	<0.002	
9/23/2021						<0.002
1/31/2022	<0.005	<0.002				
2/2/2022			<0.002		<0.002	
2/3/2022				<0.002		<0.002
8/30/2022	0.0022	<0.002	<0.002	<0.002	<0.002	
9/1/2022						<0.002
1/31/2023	0.00126 (J)	0.0104				
2/1/2023				<0.002	<0.002	
2/2/2023			<0.002			<0.002
8/28/2023	0.0017 (J)	0.000566 (J)				
8/29/2023			<0.002	<0.002	<0.002	<0.002
1/23/2024	0.00133 (J)	<0.002			<0.002	<0.002
2/7/2024			<0.002			
2/8/2024				<0.002		
8/19/2024	0.000838 (J)					
8/20/2024			<0.002		<0.002	<0.002

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.002		0.000522 (J)		
1/27/2025		<0.002				
1/28/2025	0.000726 (J)		<0.002		<0.002	
1/29/2025				<0.002		<0.002
7/28/2025	0.000999 (J)	<0.002	<0.002			
7/29/2025					<0.002	<0.002
7/30/2025				<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.002	<0.002	<0.002	<0.002	<0.002
11/21/2000	0.0069	<0.002	<0.002	<0.002	<0.002	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/1/2001	<0.002		<0.002	<0.002	<0.002	<0.002
11/2/2001		<0.002				
4/25/2002	<0.002					<0.002
4/26/2002		<0.002	<0.002	<0.002	<0.002	
11/21/2002		0.0086 (O)	<0.002			0.011 (O)
11/22/2002	<0.002			<0.002	<0.002	
6/6/2003	<0.002					<0.002
6/7/2003		<0.002	0.0068	<0.002	0.0078	
12/12/2003	<0.002	<0.002	<0.002	<0.002	0.0055	<0.002
5/27/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/8/2004	<0.002			<0.002		<0.002
12/9/2004		0.0051	<0.002		<0.002	
6/22/2005		<0.002	<0.002	<0.002	<0.002	
6/23/2005	<0.002					<0.002
12/3/2005	<0.002					<0.002
12/4/2005			<0.002			
12/5/2005		<0.002		<0.002	<0.002	
4/4/2006						<0.002
6/28/2006			<0.002			
6/29/2006	<0.002	<0.002		<0.002	<0.002	<0.002
8/30/2006						<0.002
12/3/2006		<0.002	<0.002	<0.002	<0.002	
12/4/2006	<0.002					<0.002
2/15/2007						<0.002
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2007						<0.002
9/12/2007	<0.002					
9/13/2007		<0.002	<0.002	<0.002	<0.002	
11/6/2007	<0.002					<0.002
11/7/2007				<0.002	<0.002	
11/8/2007		<0.002	<0.002			
12/11/2007		<0.002	<0.002	<0.002	<0.002	
12/12/2007	<0.002					<0.002
1/15/2008			<0.002	<0.002	<0.002	
1/16/2008	<0.002	<0.002				<0.002
3/11/2008				<0.002	<0.002	<0.002
3/12/2008	<0.002	<0.002				
3/13/2008			<0.002			
6/3/2008			<0.002	<0.002	<0.002	
6/4/2008		<0.002				
6/5/2008	<0.002					<0.002
6/23/2008		<0.002	<0.002	<0.002	<0.002	
6/24/2008	<0.002					<0.002
7/29/2008		<0.002	<0.002			
7/30/2008				<0.002	<0.002	
7/31/2008	<0.002					<0.002
11/3/2008						<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/25/2009						<0.002
7/8/2009	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2009						<0.002
12/20/2009	<0.002					<0.002
12/21/2009		<0.002	<0.002	<0.002	<0.002	
3/4/2010						<0.002
6/20/2010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2010						<0.002
1/6/2011	<0.002		<0.002		<0.002	
1/7/2011		<0.002		<0.002		<0.002
4/15/2011						<0.002
7/7/2011	<0.002		<0.002	<0.002	<0.002	<0.002
7/8/2011		<0.002				
9/25/2011						<0.002
1/17/2012	<0.002		<0.002	<0.002	<0.002	<0.002
1/18/2012		<0.002				
4/4/2012						<0.002
7/9/2012	<0.002		<0.002	<0.002	<0.002	<0.002
7/10/2012		<0.002				
10/9/2012						<0.002
1/17/2013	<0.002		<0.002	<0.002	<0.002	
1/18/2013		<0.002				<0.002
4/5/2013						<0.002
7/16/2013			<0.002	<0.002	<0.002	
7/17/2013	<0.002	<0.002				<0.002
10/11/2013						<0.002
1/13/2014	<0.002		<0.002	0.0035 (J)	<0.002	
1/14/2014		<0.002				<0.002
4/3/2014						<0.002
7/8/2014			<0.002	<0.002	<0.002	
7/9/2014	<0.002	<0.002				<0.002
10/24/2014						<0.002
1/13/2015	<0.002		<0.002	<0.002	<0.002	
1/14/2015		<0.002				<0.002
5/10/2015						<0.002
7/16/2015	<0.002		<0.002	0.0044 (J)	<0.002	
7/17/2015		<0.002				<0.002
1/17/2016	<0.002					<0.002
1/18/2016		<0.002		0.0034 (J)	<0.002	
1/19/2016			<0.002			
4/26/2016						<0.002
7/26/2016			0.0001 (J)		<0.002	
7/27/2016	<0.002			0.0001 (J)		<0.002
7/28/2016		<0.002				
8/31/2016	<0.002	0.0007 (J)	0.0002 (J)	0.0001 (J)	<0.002	
9/1/2016						<0.002
10/25/2016						<0.002
10/26/2016	<0.002		0.0001 (J)	0.0001 (J)	<0.002	
10/27/2016		<0.002				
1/4/2017			0.0002 (J)	<0.002		
1/5/2017	<0.002				0.0002 (J)	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/6/2017		<0.002				
4/4/2017	0.0002 (J)					0.0001 (J)
4/5/2017				0.0003 (J)		
4/6/2017		0.0001 (J)	0.0003 (J)		0.0005 (J)	
7/10/2017				0.0003 (J)		
7/11/2017			0.0002 (J)			8E-05 (J)
7/12/2017		<0.002			0.0005 (J)	
7/13/2017	0.0003 (J)					
10/2/2017						0.0001 (J)
10/3/2017	<0.002		0.0003 (J)			
10/4/2017		9E-05 (J)		0.0001 (J)	0.0007 (J)	
1/9/2018						<0.002
1/10/2018	8E-05 (J)				0.0009 (J)	
1/11/2018		0.0002 (J)	0.0003 (J)	0.0002 (J)		
7/9/2018						<0.002
7/10/2018	<0.002					
7/11/2018		<0.002	<0.002	<0.002	0.0015 (J)	
1/16/2019					0.00061 (J)	<0.002
1/17/2019			0.00028 (J)	<0.002		
1/18/2019		<0.002				
1/21/2019	<0.002					
3/26/2019					<0.002	<0.002
3/27/2019		<0.002	0.00029 (J)	<0.002		
7/30/2019	0.0002 (J)					
8/27/2019	<0.002		0.00021 (J)	<0.002	0.0001 (J)	0.00051 (J)
8/28/2019		6.1E-05 (J)				
10/8/2019			0.00028 (J)		0.00013 (J)	<0.002
10/9/2019	6.4E-05 (J)	<0.002		6.6E-05 (J)		
4/7/2020			0.00036 (J)	8.1E-05 (J)		<0.002
4/8/2020	<0.002	0.00021 (J)			0.00017 (J)	
8/17/2020				4.9E-05 (J)	7.6E-05 (J)	
8/18/2020	<0.002		0.00035 (J)			<0.002
8/19/2020		9.6E-05 (J)				
9/28/2020					6.4E-05 (J)	
9/29/2020	<0.002		0.00032 (J)	3.7E-05 (J)		<0.002
10/1/2020		3.8E-05 (J)				
3/10/2021		0.00012 (J)	0.00042 (J)	6.8E-05 (J)		
3/15/2021	4.1E-05 (J)				0.00013 (J)	
3/16/2021						<0.002
9/21/2021			<0.002	<0.002	<0.002	
9/22/2021	<0.002	<0.002				<0.002
2/2/2022	<0.002	<0.002				<0.002
2/3/2022			<0.002	<0.002	<0.002	
8/30/2022				<0.002		<0.002
8/31/2022			<0.002		<0.002	
9/1/2022	<0.002	<0.002				
2/1/2023		<0.002	<0.002	<0.002	<0.002	
2/2/2023	<0.002					<0.002
8/29/2023	<0.002	<0.002			<0.002	
9/6/2023			<0.002	<0.002		<0.002
1/24/2024		<0.002	<0.002			
1/25/2024	<0.002			<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/28/2025			<0.002			
1/29/2025	<0.002	<0.002		<0.002	<0.002	<0.002
7/29/2025			<0.002			
7/30/2025	<0.002	<0.002		<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.002	<0.002	<0.002			
11/21/2000	<0.002	<0.002	<0.002			
1/20/2001	<0.002	<0.002	<0.002			
3/14/2001	<0.002	<0.002	<0.002			
7/16/2001	<0.002	<0.002	<0.002			
11/1/2001	<0.002	<0.002	<0.002			
4/25/2002	<0.002	<0.002	<0.002			
11/21/2002	<0.002	<0.002	<0.002			
6/6/2003	<0.002	0.099 (O)	<0.002			
12/12/2003	0.0065	0.017 (O)	<0.002			
5/26/2004	<0.002	<0.002				
5/27/2004			<0.002			
12/8/2004	<0.002	<0.002	<0.002			
6/21/2005		<0.002				
6/23/2005	<0.002		<0.002			
12/3/2005	<0.002					
12/4/2005		<0.002				
12/5/2005			<0.002			
4/4/2006		<0.002				
6/29/2006	<0.002	<0.002	<0.002			
8/30/2006		<0.002				
12/4/2006	<0.002	<0.002	<0.002			
2/15/2007		<0.002				
6/23/2007	<0.002	<0.002	<0.002			
9/11/2007		<0.002				
9/12/2007	<0.002		<0.002			
11/6/2007	<0.002	<0.002	<0.002			
12/12/2007	<0.002	<0.002	<0.002			
1/16/2008	<0.002	<0.002	<0.002			
3/11/2008		<0.002				
3/12/2008	<0.002					
3/13/2008			<0.002			
6/4/2008			<0.002			
6/5/2008	<0.002	<0.002				
6/24/2008	<0.002	<0.002	<0.002			
7/31/2008	<0.002	<0.002	<0.002			
11/3/2008		<0.002				
12/5/2008	<0.002	<0.002	<0.002			
3/25/2009		<0.002				
7/8/2009	<0.002	<0.002	<0.002			
9/14/2009		<0.002				
12/20/2009	<0.002	<0.002				
12/21/2009			<0.002			
3/4/2010		<0.002				
6/20/2010	<0.002					
6/21/2010		<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2010		<0.002				
1/7/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/15/2011		<0.002				
7/7/2011	<0.002	<0.002				
7/8/2011			<0.002	<0.002	<0.002	<0.002
9/25/2011		<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.002					
1/18/2012		<0.002	<0.002	<0.002	<0.002	<0.002
4/4/2012		<0.002				
7/9/2012	<0.002					
7/10/2012		<0.002	<0.002	<0.002	<0.002	<0.002
10/9/2012		<0.002				
1/18/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/5/2013		<0.002				
7/17/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/11/2013		<0.002				
1/13/2014	<0.002					
1/14/2014		<0.002	<0.002	<0.002	<0.002	<0.002
4/3/2014		<0.002				
7/9/2014	<0.002	<0.002	<0.002		<0.002	
7/10/2014				<0.002		<0.002
10/24/2014		<0.002				
1/12/2015				<0.002		
1/13/2015	<0.002					
1/14/2015		<0.002	<0.002		<0.002	<0.002
5/11/2015		<0.002				
7/16/2015	<0.002	<0.002				
7/17/2015					<0.002	
7/18/2015			<0.002	<0.002		<0.002
1/17/2016	<0.002	<0.002		<0.002	<0.002	
1/18/2016			<0.002			<0.002
4/26/2016		<0.002				
7/27/2016	<0.002					
7/28/2016		<0.002		<0.002	<0.002	
7/29/2016			<0.002			0.0004 (J)
8/31/2016						0.0003 (J)
9/1/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
10/25/2016	<0.002	0.0002 (J)		0.0001 (J)	<0.002	
10/26/2016			<0.002			0.0003 (J)
1/4/2017		0.0001 (J)		<0.002	<0.002	0.0003 (J)
1/5/2017	<0.002		<0.002			
4/3/2017	0.0003 (J)					
4/4/2017				7E-05 (J)	9E-05 (J)	
4/5/2017		0.0002 (J)	0.0009 (J)			
4/6/2017						0.0003 (J)
7/11/2017	0.0001 (J)			<0.002		0.0002 (J)
7/12/2017		0.0001 (J)				
7/13/2017			<0.002		7E-05 (J)	
10/2/2017	0.0002 (J)			<0.002		
10/3/2017		0.0001 (J)			0.0001 (J)	
10/4/2017			0.0001 (J)			0.0008 (J)
1/9/2018	0.0002 (J)				9E-05 (J)	
1/10/2018		0.0002 (J)		0.0002 (J)		
1/11/2018			0.0001 (J)			0.0009 (J)
7/9/2018				<0.002		
7/10/2018	<0.002	<0.002			<0.002	
7/11/2018			<0.002			0.001 (J)
1/16/2019			<0.002			

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2019	<0.002	<0.002			<0.002	
1/18/2019						0.0012 (J)
1/21/2019				<0.002		
3/25/2019				<0.002		
3/26/2019	<0.002	<0.002	<0.002		<0.002	
3/27/2019						0.00047 (J)
8/27/2019	0.00033 (J)					0.003 (J)
8/28/2019		0.0001 (J)	<0.002	6.5E-05 (J)	0.00018 (J)	
10/8/2019	0.00012 (J)	0.0001 (J)			0.00016 (J)	
10/9/2019			0.00015 (J)	0.00018 (J)		0.00032 (J)
4/7/2020	8.6E-05 (J)	0.00023 (J)			<0.002	0.00067 (J)
4/8/2020			8.4E-05 (J)	<0.002		
8/18/2020	9E-05 (J)	0.00017 (J)	0.00014 (J)	<0.002	0.00027 (J)	0.00072 (J)
9/30/2020	4.7E-05 (J)	9.1E-05 (J)	6E-05 (J)	<0.002	5.4E-05 (J)	0.00023 (J)
3/10/2021						0.00016 (J)
3/11/2021			0.00019 (J)			
3/12/2021	5.3E-05 (J)			<0.002		
3/16/2021		7.3E-05 (J)			<0.002	
9/21/2021						<0.002
9/22/2021		<0.002	<0.002	<0.002	<0.002	
9/23/2021	<0.002					
2/1/2022		<0.002	<0.002	<0.002	<0.002	
2/3/2022	<0.002					<0.002
8/30/2022				<0.002	<0.002	
8/31/2022	<0.002		<0.002			<0.002
9/1/2022		<0.002				
2/1/2023		<0.002	<0.002	<0.002		
2/2/2023	<0.002				<0.002	<0.002
8/29/2023			<0.002			0.000511 (J)
9/6/2023		<0.002		<0.002	<0.002	
9/7/2023	<0.002					
1/23/2024						<0.002
1/24/2024	<0.002		<0.002	<0.002		
1/25/2024		<0.002			<0.002	
8/21/2024	<0.002	<0.002	<0.002	<0.002		<0.002
8/22/2024					<0.002	
1/28/2025			<0.002			<0.002
1/29/2025	<0.002	<0.002		<0.002	<0.002	
7/29/2025			<0.002	<0.002		<0.002
7/30/2025	<0.002	<0.002			<0.002	

Time Series

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	5.7E-05 (J)	9.4E-05 (J)	9.5E-05 (J)	0.00015 (J)
9/21/2021				<0.002
9/22/2021	<0.002	<0.002		
9/23/2021			<0.002	
2/1/2022		<0.002		
2/2/2022				<0.002
2/3/2022	<0.002		<0.002	
8/31/2022	<0.002		<0.002	
9/1/2022		<0.002		
2/1/2023	<0.002			
2/2/2023		<0.002	<0.002	
9/6/2023	<0.002	<0.002		
9/7/2023			<0.002	
1/24/2024	<0.002			
1/25/2024		<0.002	<0.002	<0.002
8/20/2024				<0.002
8/21/2024	<0.002	<0.002	<0.002	
1/28/2025				<0.002
1/29/2025	<0.002	<0.002	<0.002	
7/29/2025	<0.002			<0.002
7/30/2025		<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		<0.01		0.0042 (J)	<0.01	<0.01
9/1/2016	<0.01		0.0092 (J)			
10/24/2016		<0.01				
10/25/2016	<0.01					<0.01
10/26/2016			0.0046 (J)	<0.01	<0.01	
1/3/2017		<0.01		0.0024 (J)		
1/4/2017						<0.01
1/5/2017					<0.01	
1/6/2017	<0.01		0.0042 (J)			
4/3/2017		<0.01				
4/4/2017			0.0056 (J)			<0.01
4/6/2017	<0.01			0.0051 (J)	<0.01	
7/11/2017		<0.01				
7/12/2017			0.0035 (J)	0.0031 (J)	<0.01	<0.01
7/13/2017	<0.01					
10/2/2017		<0.01				
10/3/2017				0.0027 (J)	<0.01	<0.01
10/4/2017	<0.01		0.0041 (J)			
1/9/2018	<0.01	<0.01			<0.01	
1/10/2018				0.0041 (J)		<0.01
1/11/2018			0.0052 (J)			
7/9/2018		0.001 (J)				
7/10/2018				0.005 (J)	<0.01	<0.01
7/11/2018	<0.01		0.0039 (J)			
1/16/2019						<0.01
8/26/2019	<0.01	0.0012 (J)				
8/27/2019			0.013 (J)		<0.01	<0.01
8/28/2019				<0.01		
10/7/2019		0.0012 (J)				
10/8/2019	<0.01					
10/9/2019			0.013 (J)	<0.01	<0.01	<0.01
4/6/2020	<0.01	0.00086 (J)				
4/7/2020			0.014 (J)	<0.01	<0.01	<0.01
8/17/2020		0.001 (J)				
8/19/2020	<0.01		0.014 (J)	<0.01	<0.01	<0.01
9/28/2020	<0.01	0.001 (J)				<0.01
9/30/2020				<0.01	<0.01	
10/1/2020			0.013 (J)			
3/10/2021			0.012 (J)	<0.01	<0.01	<0.01
3/11/2021	<0.01					
3/12/2021		0.0013 (J)				
9/21/2021	<0.01	0.00092 (J)	0.016 (J)	<0.01	<0.01	
9/23/2021						<0.01
1/31/2022	<0.01	0.00091 (J)				
2/2/2022			0.015 (J)		<0.01	
2/3/2022				<0.01		<0.01
8/30/2022	<0.01	<0.01	0.0175	<0.01	<0.01	
9/1/2022						<0.01
1/31/2023	<0.01	<0.01				
2/1/2023				<0.01	<0.01	
2/2/2023			0.0184			<0.01
8/28/2023	<0.01	<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/29/2023			0.0191	<0.01	<0.01	<0.01
1/23/2024	<0.01	<0.01			<0.01	<0.01
2/7/2024			0.0212			
2/8/2024				<0.01		
8/19/2024	<0.01					
8/20/2024			0.0194		<0.01	<0.01
8/21/2024		<0.01		<0.01		
1/27/2025		<0.01				
1/28/2025	<0.01		0.0268		<0.01	
1/29/2025				<0.01		<0.01
7/28/2025	<0.01	<0.01	0.0188			
7/29/2025					<0.01	<0.01
7/30/2025				<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.01	<0.05 (O)	<0.01	<0.01	<0.01	
9/1/2016						<0.01
10/25/2016						<0.01
10/26/2016	<0.01		<0.01	<0.01	<0.01	
10/27/2016		0.0023 (J)				
1/4/2017			<0.01	<0.01		
1/5/2017	<0.01				<0.01	<0.01
1/6/2017		0.0021 (J)				
4/4/2017	<0.01					<0.01
4/5/2017				0.0012 (J)		
4/6/2017		0.0021 (J)	<0.01		<0.01	
7/10/2017				<0.01		
7/11/2017			<0.01			<0.01
7/12/2017		0.0017 (J)			<0.01	
7/13/2017	<0.01					
10/2/2017						<0.01
10/3/2017	<0.01		<0.01			
10/4/2017		0.0021 (J)		<0.01	<0.01	
1/9/2018						<0.01
1/10/2018	<0.01				<0.01	
1/11/2018		0.0022 (J)	<0.01	<0.01		
7/9/2018						<0.01
7/10/2018	<0.01					
7/11/2018		0.0019 (J)	<0.01	0.00098 (J)	<0.01	
7/30/2019	<0.01					
8/27/2019	<0.01		<0.01	0.00094 (J)	<0.01	<0.01
8/28/2019		0.0018 (J)				
10/8/2019			<0.01		<0.01	<0.01
10/9/2019	<0.01	0.0018 (J)		0.0011 (J)		
4/7/2020			<0.01	0.00094 (J)		<0.01
4/8/2020	<0.01	0.0018 (J)			<0.01	
8/17/2020				0.00091 (J)	<0.01	
8/18/2020	<0.01		<0.01			<0.01
8/19/2020		0.0019 (J)				
9/28/2020					<0.01	
9/29/2020	<0.01		<0.01	0.00086 (J)		<0.01
10/1/2020		0.0019 (J)				
3/10/2021		0.0018 (J)	<0.01	0.00095 (J)		
3/15/2021	<0.01				<0.01	
3/16/2021						<0.01
9/21/2021			<0.01	0.00091 (J)	0.00087 (J)	
9/22/2021	<0.01	0.0015 (J)				<0.01
2/2/2022	<0.01	0.0017 (J)				<0.01
2/3/2022			<0.01	0.001 (J)	0.00077 (J)	
8/30/2022				<0.01		<0.01
8/31/2022			<0.01		<0.01	
9/1/2022	<0.01	<0.01				
2/1/2023		<0.01	<0.01	<0.01	<0.01	
2/2/2023	<0.01					<0.01
8/29/2023	<0.01	<0.01			<0.01	
9/6/2023			<0.01	<0.01		<0.01
1/24/2024		<0.01	<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.01			<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1/28/2025			<0.01			
1/29/2025	<0.01	<0.01		<0.01	<0.01	<0.01
7/29/2025			<0.01			
7/30/2025	<0.01	<0.01		<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						<0.01
9/1/2016	<0.01	<0.01	0.0066 (J)	<0.01	<0.01	
10/25/2016	<0.01	<0.01		<0.01	<0.01	
10/26/2016			0.0065 (J)			<0.01
1/4/2017		<0.01		<0.01	<0.01	<0.01
1/5/2017	<0.01		0.0062 (J)			
4/3/2017	<0.01					
4/4/2017				<0.01	<0.01	
4/5/2017		<0.01	0.007 (J)			
4/6/2017						<0.01
7/11/2017	<0.01			<0.01		<0.01
7/12/2017		<0.01				
7/13/2017			0.0069 (J)		<0.01	
10/2/2017	<0.01			<0.01		
10/3/2017		<0.01			<0.01	
10/4/2017			0.0082 (J)			<0.01
1/9/2018	<0.01				<0.01	
1/10/2018		<0.01		<0.01		
1/11/2018			0.0061 (J)			<0.01
7/9/2018				<0.01		
7/10/2018	<0.01	<0.01			<0.01	
7/11/2018			0.0075 (J)			<0.01
8/27/2019	<0.01					<0.01
8/28/2019		<0.01	0.0041 (J)	<0.01	<0.01	
10/8/2019	<0.01	<0.01			<0.01	
10/9/2019			0.0046 (J)	<0.01		<0.01
4/7/2020	<0.01	<0.01			<0.01	<0.01
4/8/2020			0.0051 (J)	<0.01		
8/18/2020	<0.01	<0.01	0.0065 (J)	<0.01	<0.01	<0.01
9/30/2020	<0.01	<0.01	0.0041 (J)	<0.01	<0.01	<0.01
3/10/2021						<0.01
3/11/2021			0.0036 (J)			
3/12/2021	<0.01			<0.01		
3/16/2021		<0.01			<0.01	
9/21/2021						<0.01
9/22/2021		<0.01	0.005 (J)	<0.01	<0.01	
9/23/2021	<0.01					
2/1/2022		<0.01	0.0061 (J)	<0.01	<0.01	
2/3/2022	<0.01					<0.01
8/30/2022				<0.01	<0.01	
8/31/2022	<0.01		0.00688 (J)			<0.01
9/1/2022		<0.01				
2/1/2023		<0.01	0.00532 (J)	<0.01		
2/2/2023	<0.01				<0.01	<0.01
8/29/2023			0.00502 (J)			<0.01
9/6/2023		<0.01		<0.01	<0.01	
9/7/2023	<0.01					
1/23/2024						<0.01
1/24/2024	<0.01		0.00477 (J)	<0.01		
1/25/2024		<0.01			<0.01	
8/21/2024	<0.01	<0.01	0.00567 (J)	<0.01		<0.01
8/22/2024					<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/28/2025			0.00463 (J)			<0.01
1/29/2025	<0.01	<0.01		<0.01	<0.01	
7/29/2025			0.00495 (J)	<0.01		<0.01
7/30/2025	<0.01	<0.01			<0.01	

Time Series

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.01	<0.01	<0.01	<0.01
9/21/2021				<0.01
9/22/2021	<0.01	<0.01		
9/23/2021			<0.01	
2/1/2022		<0.01		
2/2/2022				<0.01
2/3/2022	<0.01		<0.01	
8/31/2022	<0.01		<0.01	
9/1/2022		<0.01		
2/1/2023	<0.01			
2/2/2023		<0.01	<0.01	
9/6/2023	<0.01	<0.01		
9/7/2023			<0.01	
1/24/2024	<0.01			
1/25/2024		<0.01	<0.01	<0.01
8/20/2024				<0.01
8/21/2024	<0.01	<0.01	<0.01	
1/28/2025				<0.01
1/29/2025	<0.01	<0.01	<0.01	
7/29/2025	<0.01			<0.01
7/30/2025		<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		<0.0002		<0.0002	<0.0002	4E-05 (J)
9/1/2016	0.00017 (J)		<0.0002			
10/24/2016		<0.0002				
10/25/2016	<0.0002					<0.0002
10/26/2016			<0.0002	<0.0002	<0.0002	
1/3/2017		<0.0002		<0.0002		
1/4/2017						<0.0002
1/5/2017					<0.0002	
1/6/2017	<0.0002		<0.0002			
4/3/2017		<0.0002				
4/4/2017			<0.0002			<0.0002
4/6/2017	4E-05 (J)			<0.0002	<0.0002	
7/11/2017		<0.0002				
7/12/2017			<0.0002	<0.0002	<0.0002	<0.0002
7/13/2017	<0.0002					
10/2/2017		<0.0002				
10/3/2017				<0.0002	<0.0002	<0.0002
10/4/2017	0.0001 (J)		<0.0002			
1/9/2018	<0.0002	<0.0002			<0.0002	
1/10/2018				<0.0002		<0.0002
1/11/2018			<0.0002			
7/9/2018		<0.0002				
7/10/2018				<0.0002	<0.0002	<0.0002
7/11/2018	<0.0002		<0.0002			
1/16/2019	<0.0002	<0.0002	4.9E-05 (J)	<0.0002	4.3E-05 (J)	<0.0002
8/26/2019	<0.0002	<0.0002				
8/27/2019			<0.0002		<0.0002	<0.0002
8/28/2019				<0.0002		
10/9/2019				<0.0002		
8/17/2020		<0.0002				
8/19/2020	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
9/21/2021	0.0001 (J)	0.00011 (J)	0.0001 (J)	0.0001 (J)	0.0001 (J)	
9/23/2021						0.0001 (J)
1/31/2022	<0.0002	<0.0002				
2/2/2022			<0.0002		<0.0002	
2/3/2022				<0.0002		<0.0002
8/30/2022	<0.0002	<0.0002	<0.0002	8.7E-05 (J)	<0.0002	
9/1/2022						<0.0002
1/31/2023	<0.0002	<0.0002				
2/1/2023				<0.0002	<0.0002	
2/2/2023			<0.0002			<0.0002
8/28/2023	<0.0002	<0.0002				
8/29/2023			<0.0002	<0.0002	<0.0002	<0.0002
1/23/2024	<0.0002	<0.0002			<0.0002	<0.0002
2/7/2024			0.000487			
2/8/2024				0.000135 (J)		
8/19/2024	<0.0002					
8/20/2024			<0.0002		<0.0002	<0.0002
8/21/2024		<0.0002		<0.0002		
1/27/2025		<0.0002				
1/28/2025	<0.0002		0.000287		<0.0002	
1/29/2025				<0.0002		0.000274

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/28/2025	<0.0002	<0.0002	<0.0002			
7/29/2025					<0.0002	<0.0002
7/30/2025				<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
9/1/2016						<0.0002
10/25/2016						<0.0002
10/26/2016	<0.0002		<0.0002	<0.0002	<0.0002	
10/27/2016		<0.0002				
1/4/2017			<0.0002	<0.0002		
1/5/2017	<0.0002				<0.0002	<0.0002
1/6/2017		<0.0002				
4/4/2017	<0.0002					<0.0002
4/5/2017				<0.0002		
4/6/2017		<0.0002	<0.0002		0.00013 (J)	
7/10/2017				<0.0002		
7/11/2017			<0.0002			<0.0002
7/12/2017		<0.0002			<0.0002	
7/13/2017	<0.0002					
10/2/2017						<0.0002
10/3/2017	<0.0002		<0.0002			
10/4/2017		5E-05 (J)		<0.0002	<0.0002	
1/9/2018						<0.0002
1/10/2018	<0.0002				<0.0002	
1/11/2018		<0.0002	<0.0002	<0.0002		
7/9/2018						<0.0002
7/10/2018	<0.0002					
7/11/2018		<0.0002	<0.0002	<0.0002	<0.0002	
1/16/2019					<0.0002	<0.0002
1/17/2019			<0.0002	<0.0002		
1/18/2019		<0.0002				
1/21/2019	<0.0002					
7/30/2019	<0.0002					
8/27/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
8/28/2019		<0.0002				
8/17/2020				<0.0002	<0.0002	
8/18/2020	<0.0002		<0.0002			<0.0002
8/19/2020		<0.0002				
9/21/2021			0.0001 (J)	0.0001 (J)	0.0001 (J)	
9/22/2021	0.0001 (J)	0.00011 (J)				0.00011 (J)
2/2/2022	<0.0002	<0.0002				<0.0002
2/3/2022			<0.0002	<0.0002	<0.0002	
8/30/2022				<0.0002		<0.0002
8/31/2022			<0.0002		<0.0002	
9/1/2022	<0.0002	<0.0002				
2/1/2023		<0.0002	<0.0002	<0.0002	<0.0002	
2/2/2023	<0.0002					<0.0002
8/29/2023	<0.0002	<0.0002			<0.0002	
9/6/2023			<0.0002	<0.0002		<0.0002
1/24/2024		<0.0002	<0.0002			
1/25/2024	<0.0002			<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/28/2025			<0.0002			
1/29/2025	<0.0002	9.5E-05 (J)		<0.0002	<0.0002	<0.0002
7/29/2025			<0.0002			
7/30/2025	<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 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						<0.0002
9/1/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
10/25/2016	<0.0002	<0.0002		<0.0002	<0.0002	
10/26/2016			<0.0002			<0.0002
1/4/2017		<0.0002		<0.0002	<0.0002	<0.0002
1/5/2017	<0.0002		<0.0002			
4/3/2017	<0.0002					
4/4/2017				<0.0002	<0.0002	
4/5/2017		<0.0002	<0.0002			
4/6/2017						<0.0002
7/11/2017	<0.0002			<0.0002		<0.0002
7/12/2017		<0.0002				
7/13/2017			<0.0002		<0.0002	
10/2/2017	<0.0002			<0.0002		
10/3/2017		<0.0002			<0.0002	
10/4/2017			<0.0002			<0.0002
1/9/2018	<0.0002				<0.0002	
1/10/2018		<0.0002		<0.0002		
1/11/2018			<0.0002			<0.0002
7/9/2018				<0.0002		
7/10/2018	<0.0002	<0.0002			<0.0002	
7/11/2018			<0.0002			<0.0002
1/16/2019			<0.0002			
1/17/2019	<0.0002	<0.0002			<0.0002	
1/18/2019						<0.0002
1/21/2019				<0.0002		
8/27/2019	<0.0002					<0.0002
8/28/2019		<0.0002	<0.0002	<0.0002	<0.0002	
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/21/2021						0.0001 (J)
9/22/2021		0.0001 (J)	0.00011 (J)	0.00011 (J)	0.00011 (J)	
9/23/2021	0.0001 (J)					
2/1/2022		<0.0002	<0.0002	<0.0002	<0.0002	
2/3/2022	<0.0002					<0.0002
8/30/2022				<0.0002	<0.0002	
8/31/2022	<0.0002		<0.0002			<0.0002
9/1/2022		<0.0002				
2/1/2023		<0.0002	<0.0002	<0.0002		
2/2/2023	<0.0002				<0.0002	<0.0002
8/29/2023			<0.0002			<0.0002
9/6/2023		<0.0002		<0.0002	<0.0002	
9/7/2023	<0.0002					
1/23/2024						<0.0002
1/24/2024	<0.0002		0.000172 (J)	<0.0002		
1/25/2024		<0.0002			<0.0002	
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
8/22/2024					<0.0002	
1/28/2025			0.000349			<0.0002
1/29/2025	<0.0002	<0.0002		<0.0002	<0.0002	
7/29/2025			<0.0002	<0.0002		<0.0002
7/30/2025	<0.0002	<0.0002			<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
9/21/2021				0.0001 (J)
9/22/2021	0.00011 (J)	0.0001 (J)		
9/23/2021			0.0001 (J)	
2/1/2022		<0.0002		
2/2/2022				<0.0002
2/3/2022	<0.0002		<0.0002	
8/31/2022	<0.0002		<0.0002	
9/1/2022		<0.0002		
2/1/2023	<0.0002			
2/2/2023		<0.0002	<0.0002	
9/6/2023	<0.0002	<0.0002		
9/7/2023			<0.0002	
1/24/2024	<0.0002			
1/25/2024		<0.0002	<0.0002	<0.0002
8/20/2024				<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	
1/28/2025				<0.0002
1/29/2025	<0.0002	0.000222	0.000333	
7/29/2025	<0.0002			<0.0002
7/30/2025		<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		<0.001		<0.001	<0.01	0.175
9/1/2016	0.0098 (J)		0.035			
10/24/2016		<0.001				
10/25/2016	<0.05					0.242
10/26/2016			0.0267	<0.001	<0.01	
1/3/2017		<0.001		<0.001		
1/4/2017						0.167
1/5/2017					<0.01	
1/6/2017	<0.05		0.0278			
4/3/2017		<0.001				
4/4/2017			0.0265			0.172
4/6/2017	<0.05			<0.001	<0.01	
7/11/2017		<0.001				
7/12/2017			0.0209	<0.001	<0.01	0.182
7/13/2017	0.0013 (J)					
10/2/2017		<0.001				
10/3/2017				<0.001	<0.01	0.162
10/4/2017	0.0013 (J)		0.0181			
1/9/2018	<0.05	<0.001			<0.01	
1/10/2018				<0.001		0.117
1/11/2018			0.0237			
7/9/2018		<0.001				
7/10/2018				<0.001	<0.01	0.11
7/11/2018	<0.05		0.024			
1/16/2019						0.087
8/26/2019	<0.05	<0.001				
8/27/2019			0.1		0.0026 (J)	0.06
8/28/2019				0.0012 (J)		
10/7/2019		<0.001				
10/8/2019	<0.05					
10/9/2019			0.1	<0.001	<0.01	0.06
4/6/2020	<0.05	<0.001				
4/7/2020			0.13	<0.001	<0.01	0.014
8/17/2020		<0.001				
8/19/2020	<0.05		0.16	<0.001	0.001 (J)	0.061
9/28/2020	<0.05	<0.001				0.059
9/30/2020				<0.001	0.00097 (J)	
10/1/2020			0.15			
3/10/2021			0.12	<0.001	0.0013 (J)	0.057
3/11/2021	<0.05					
3/12/2021		<0.001				
9/21/2021	<0.05	<0.001	0.12	<0.001	<0.01	
9/23/2021						0.06
1/31/2022	<0.05	<0.001				
2/2/2022			0.11		0.00085 (J)	
2/3/2022				<0.001		0.038
8/30/2022	0.000453 (J)	<0.001	0.154	<0.001	0.000649 (J)	
9/1/2022						0.0343
1/31/2023	0.000364 (J)	<0.001				
2/1/2023				0.00069 (J)	0.000553 (J)	
2/2/2023			0.199			0.0433
8/28/2023	0.000543 (J)	<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/29/2023			0.136	<0.001	0.000729 (J)	0.0293
1/23/2024	0.000396 (J)	<0.001			0.000349 (J)	0.0408
2/7/2024			0.138			
2/8/2024				0.002		
8/19/2024	0.000468 (J)					
8/20/2024			0.103		0.000521 (J)	0.016
8/21/2024		<0.001		0.000577 (J)		
1/27/2025		<0.001				
1/28/2025	0.000382 (J)		0.121		0.00042 (J)	
1/29/2025				0.000347 (J)		0.0405
7/28/2025	0.000426 (J)	<0.001	0.102			
7/29/2025					0.000468 (J)	0.0402
7/30/2025				0.000258 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.001	<0.001	<0.01	<0.001	<0.001	
9/1/2016						0.0027 (J)
10/25/2016						0.0028 (J)
10/26/2016	<0.001		<0.01	<0.001	<0.001	
10/27/2016		<0.001				
1/4/2017			<0.01	<0.001		
1/5/2017	<0.001				<0.001	0.0022 (J)
1/6/2017		<0.001				
4/4/2017	<0.001					0.0022 (J)
4/5/2017				<0.001		
4/6/2017		<0.001	<0.01		<0.001	
7/10/2017				<0.001		
7/11/2017			<0.01			0.0024 (J)
7/12/2017		<0.001			<0.001	
7/13/2017	<0.001					
10/2/2017						0.0025 (J)
10/3/2017	<0.001		<0.01			
10/4/2017		<0.001		<0.001	<0.001	
1/9/2018						0.0038 (J)
1/10/2018	<0.001				<0.001	
1/11/2018		<0.001	0.0018 (J)	<0.001		
7/9/2018						0.01
7/10/2018	<0.001					
7/11/2018		<0.001	<0.01	<0.001	<0.001	
7/30/2019	<0.001					
8/27/2019	<0.001		<0.01	<0.001	<0.001	0.028
8/28/2019		<0.001				
10/8/2019			<0.01		<0.001	0.034
10/9/2019	<0.001	<0.001		<0.001		
4/7/2020			<0.01	<0.001		0.014
4/8/2020	<0.001	<0.001			0.0056 (J)	
8/17/2020				<0.001	<0.001	
8/18/2020	<0.001		0.00077 (J)			0.017
8/19/2020		<0.001				
9/28/2020					<0.001	
9/29/2020	<0.001		<0.01	<0.001		0.0089 (J)
10/1/2020		<0.001				
3/10/2021		<0.001	<0.01	<0.001		
3/15/2021	<0.001				<0.001	
3/16/2021						0.0054 (J)
9/21/2021			<0.01	<0.001	<0.001	
9/22/2021	<0.001	<0.001				0.018
2/2/2022	<0.001	<0.001				0.015
2/3/2022			<0.01	<0.001	<0.001	
8/30/2022				0.000205 (J)		0.0133
8/31/2022			0.000512 (J)		<0.001	
9/1/2022	<0.001	<0.001				
2/1/2023		<0.001	0.000613 (J)	<0.001	<0.001	
2/2/2023	<0.001					0.0167
8/29/2023	<0.001	<0.001			<0.001	
9/6/2023			0.000804 (J)	<0.001		0.0199
1/24/2024		<0.001	0.000534 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	0.000312 (J)			<0.001	<0.001	0.0151
8/21/2024	<0.001	<0.001	0.000489 (J)	<0.001	<0.001	0.00505
1/28/2025			0.000507 (J)			
1/29/2025	<0.001	<0.001		<0.001	<0.001	0.014
7/29/2025			0.000497 (J)			
7/30/2025	<0.001	<0.001		<0.001	<0.001	0.0186

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						<0.001
9/1/2016	0.132	0.08	<0.01	0.296	0.0686	
10/25/2016	0.117	0.08		0.395	0.0018 (J)	
10/26/2016			<0.01			<0.001
1/4/2017		0.0786		0.229	0.0222	<0.001
1/5/2017	0.109		<0.01			
4/3/2017	0.0994					
4/4/2017				0.147	0.0476	
4/5/2017		0.113	<0.01			
4/6/2017						<0.001
7/11/2017	0.0938			0.136		<0.001
7/12/2017		0.178				
7/13/2017			<0.01		0.0105	
10/2/2017	0.103			0.13		
10/3/2017		0.201			0.0031 (J)	
10/4/2017			<0.01			<0.001
1/9/2018	0.106				0.09	
1/10/2018		0.161		0.229		
1/11/2018			<0.01			<0.001
7/9/2018				0.13		
7/10/2018	0.088	0.14			0.047	
7/11/2018			<0.01			<0.001
8/27/2019	0.095					<0.001
8/28/2019		0.22	0.004 (J)	0.11	0.07	
10/8/2019	0.091	0.2			0.078	
10/9/2019			0.0036 (J)	0.071		<0.001
4/7/2020	0.07	0.25			0.012	<0.001
4/8/2020			0.0024 (J)	0.06		
8/18/2020	0.12	0.15	0.00092 (J)	0.097	0.069	<0.001
9/30/2020	0.11	0.15	0.0041 (J)	0.33	0.028	<0.001
3/10/2021						<0.001
3/11/2021			0.0038 (J)			
3/12/2021	0.098			0.53		
3/16/2021		0.31			0.024	
9/21/2021						<0.001
9/22/2021		0.22	0.0053 (J)	0.5	0.0019 (J)	
9/23/2021	0.094					
2/1/2022		0.18	0.003 (J)	0.77	0.042	
2/3/2022	0.086					<0.001
8/30/2022				0.309	0.049	
8/31/2022	0.0786		0.00252			<0.001
9/1/2022		0.154				
2/1/2023		0.136	0.00484	0.384		
2/2/2023	0.0748				0.0352	0.000334 (J)
8/29/2023			0.00312			<0.001
9/6/2023		0.0886		0.753	0.0458	
9/7/2023	0.0588					
1/23/2024						<0.001
1/24/2024	0.0677		0.00353	0.12		
1/25/2024		0.0816			0.0355	
8/21/2024	0.0752	0.114	0.00354	0.506		<0.001
8/22/2024					0.0159	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/28/2025			0.00404			<0.001
1/29/2025	0.0495	0.0809		0.546	0.0586	
7/29/2025			0.00493	0.975		0.00364
7/30/2025	0.041	0.0922			0.0361	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.0011 (J)	<0.001
1/21/2021	<0.001	0.0014 (J)		
3/11/2021	<0.001	0.0035 (J)	0.0015 (J)	<0.001
9/21/2021				<0.001
9/22/2021	<0.001	0.0032 (J)		
9/23/2021			<0.001	
2/1/2022		0.0024 (J)		
2/2/2022				<0.001
2/3/2022	<0.001		<0.001	
8/31/2022	<0.001		0.000863 (J)	
9/1/2022		0.00174		
2/1/2023	<0.001			
2/2/2023		0.00113	<0.001	
9/6/2023	<0.001	0.000882 (J)		
9/7/2023			<0.001	
1/24/2024	0.000408 (J)			
1/25/2024		0.000995 (J)	0.000257 (J)	<0.001
8/20/2024				<0.001
8/21/2024	<0.001	0.000894 (J)	<0.001	
1/28/2025				<0.001
1/29/2025	<0.001	0.000751 (J)	<0.001	
7/29/2025	<0.001			<0.001
7/30/2025		0.000628 (J)	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/16/2013			6.22	5.95	5.25	5.38
10/11/2014		4.42				
8/30/2016		4.42		5.16	5.25	5.38
9/1/2016	5.93		5.72			
10/24/2016		4.36				
10/25/2016	6.17					5.51
10/26/2016			6.06	5.27	5.21	
1/3/2017		4.28		5.09		
1/4/2017						5.46
1/5/2017					5.2	
1/6/2017	6.16		6.02			
4/3/2017		4.29				
4/4/2017			6.08			5.43
4/6/2017	6.26			5.22	5.17	
7/11/2017		4.35				
7/12/2017			5.93	5.29	5.24	5.46
7/13/2017	5.99					
10/2/2017		4.32				
10/3/2017				5.08	5.36	5.65
10/4/2017	6.16		5.77			
1/9/2018	6.43	4.44			5.4	
1/10/2018				5.83		5.67
1/11/2018			5.98			
7/9/2018		4.4				
7/10/2018				6.42	5.31	5.71
7/11/2018	6.1		6.01			
1/16/2019	6.05	6.16 (O)	5.83	6.66	5.99	5.59
3/25/2019	6.06	4.4	5.74			
3/26/2019				5.1	5.94	5.77
8/26/2019	5.91	4.26				
8/27/2019			5.7		5.67	5.84
8/28/2019				5.95		
10/7/2019		4.24				
10/8/2019	5.74					
10/9/2019			5.79	6.11	5.66	5.82
4/6/2020	6.02	4.52				
4/7/2020			5.74	5.45	5.86	5.36
8/17/2020		4.23				
8/19/2020	5.81		5.7	5.14	5.21	5.73
9/28/2020	5.86	4.41				5.79
9/30/2020				4.99	5.39	
10/1/2020			5.75			
3/10/2021			5.6	4.73	5.69	5.42
3/11/2021	5.85					
3/12/2021		4.54				
9/21/2021	6.03	4.44	5.78	4.68	5.4	
9/23/2021						6.06
11/10/2021				4.49		
1/31/2022	5.94	4.39				
2/2/2022			5.71		5.75	
2/3/2022				4.48		5.89
8/30/2022	5.98	4.58	5.67	5.22	5.55	

Time Series

Constituent: pH, Field (SU) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/1/2022						5.8
1/31/2023	6.02	4.6				
2/1/2023				5.81	5.54	
2/2/2023			5.99			5.78
8/28/2023	5.94	4.62				
8/29/2023			5.82	5.17	5.33	5.68
1/23/2024	6.08	4.68			5.57	5.96
1/24/2024				6.28		
1/25/2024			6.17			
2/7/2024			6.07			
2/8/2024				6.37		
8/19/2024	6.19					
8/20/2024			6.28		5.62	5.83
8/21/2024		4.59		6		
1/27/2025		4.73				
1/28/2025	6.36		5.96		5.81	
1/29/2025				6.04		6.18
7/28/2025	6.21	4.65	6.09			
7/29/2025					5.47	6.01
7/30/2025				5.47		

Time Series

Constituent: pH, Field (SU) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
7/16/2013	4.52	5.05	5.2	4.17	4.95	4.62
10/11/2014						4.58
8/31/2016	4.85	4.7	5.11	3.98	4.92	
9/1/2016						4.71
10/25/2016						4.79
10/26/2016	4.48		5.08	4.04	4.95	
10/27/2016		4.65				
1/4/2017			5.06	4.01		
1/5/2017	4.85				4.97	4.73
1/6/2017		4.56				
4/4/2017	4.58					4.68
4/5/2017				4	4.81	
4/6/2017		4.5	4.97		4.81	
7/10/2017				3.89		
7/11/2017			5.26			4.72
7/12/2017		4.56			4.83	
7/13/2017	4.74					
10/2/2017						5.13
10/3/2017	4.52		5.07			
10/4/2017		4.72		4.06	4.71	
1/9/2018						5.59
1/10/2018	5.31				5.17	
1/11/2018		4.34	5.18	3.96		
7/9/2018						5.11
7/10/2018	4.58					
7/11/2018		4.68	4.82	3.95	4.49	
1/16/2019					6.45 (O)	6.82
1/17/2019			4.91	3.89		
1/18/2019		6.87 (O)				
1/21/2019	5.05					
3/26/2019					4.96	5.74
3/27/2019		4.38	5.18	4.11		
7/30/2019	4.74					
8/27/2019	4.77		5.17	4.02	4.9	5.58
8/28/2019		4.68				
10/8/2019			4.93		4.81	5.68
10/9/2019	4.79	4.62		4.25		
4/7/2020			5.05	4.1		6.2
4/8/2020	4.66	4.73			4.81	
8/17/2020				3.94	4.65	
8/18/2020	4.6		4.41			5.56
8/19/2020		4.58				
9/28/2020					4.76	
9/29/2020	4.6		4.77	3.95		5.69
10/1/2020		4.42				
3/10/2021		4.55	4.97	4.08		
3/15/2021	4.56				4.74	
3/16/2021						5.53
9/21/2021			4.92	4.05	4.83	
9/22/2021	4.71	4.7				5.76
2/2/2022	4.79	4.66				5.98
2/3/2022			4.98	4.04	4.97	

Time Series

Constituent: pH, Field (SU) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/30/2022				3.92		5.86
8/31/2022			4.85		4.76	
9/1/2022	4.73	4.6				
2/1/2023		4.57	4.71	3.93	4.86	
2/2/2023	4.6					5.98
8/29/2023	4.68	4.56			4.89	
9/6/2023			5.05	4.35		6.19
1/24/2024		4.65	4.95			
1/25/2024	4.79			3.84	4.9	6.11
8/21/2024	4.76	4.64	5.02	4.09	4.73	5.75
1/28/2025			5.03			
1/29/2025	4.68	4.82		4.24	4.84	6.08
7/29/2025			4.92			
7/30/2025	4.48	4.51		4.37	4.62	6.06

Time Series

Constituent: pH, Field (SU) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
7/16/2013	5.96	4.92	4.55	6.1	5.71	4.91
10/11/2014		5.17				
8/31/2016						4.54
9/1/2016	6.56	5.31	4.22	5.88	5.96	
10/25/2016	6.46	5.58		6.06	5.41	
10/26/2016			4.45			4.6
1/4/2017		5.51		6.05	5.6	4.63
1/5/2017	6.25		4.45			
4/3/2017	6.25					
4/4/2017				6.03	5.94	
4/5/2017		5.51	4.33			
4/6/2017						4.79
7/11/2017	6.5			5.96		4.73
7/12/2017		5.84				
7/13/2017			4.11		5.6	
10/2/2017	6.83			5.88		
10/3/2017		5.55			5.18	
10/4/2017			4.09			4.74
1/9/2018	6.57				6.14	
1/10/2018		5.99		6.21		
1/11/2018			4.4			5.22
7/9/2018				6.24		
7/10/2018	6.42	5.5			5.7	
7/11/2018			4.07			4.68
1/16/2019			4.05			
1/17/2019	8.44 (O)	7.13			7.39	
1/18/2019						6.98 (O)
1/21/2019				7.73 (O)		
3/25/2019				6.28		
3/26/2019	6.65	5.57	4.62		6.08	
3/27/2019						4.77
8/27/2019	6.57					4.89
8/28/2019		5.57	4.62	6.34	6.05	
10/8/2019	6.65	5.54			6.09	
10/9/2019			4.66	6.5		4.68
4/7/2020	6.83	5.94			6	4.8
4/8/2020			4.71	6.31		
8/18/2020	6.39	5.52	4.31	5.89	5.82	4.52
9/30/2020	6.71	5.47	4.08	6.04	5.82	4.63
3/10/2021						4.82
3/11/2021			5.2			
3/12/2021	6.21			5.86		
3/16/2021		5.67			5.74	
9/21/2021						4.72
9/22/2021		5.57	4.63	6	5.39	
9/23/2021	6.48					
2/1/2022		5.57	4.53	5.9	5.76	
2/3/2022	6.61					4.63
8/30/2022				6.01	5.76	
8/31/2022	6.57		4.33			4.68
9/1/2022		5.37				
2/1/2023		5.23	4.74	6.01		

Time Series

Constituent: pH, Field (SU) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/2/2023	6.65				5.71	4.63
8/29/2023			4.66			4.55
9/6/2023		5.16		5.86	5.78	
9/7/2023	6.64					
1/23/2024						4.84
1/24/2024	6.61		4.74	6.41		
1/25/2024		5.35			5.77	
8/21/2024	6.69	5.53	4.47	6.03		4.81
8/22/2024					5.54	
1/28/2025			5.12			4.99
1/29/2025	7.11	5.11		6.08	5.63	
7/29/2025			5.06	5.91		4.56
7/30/2025	6.58	5.32			5.69	

Time Series

Constituent: pH, Field (SU) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			6.25	5.66
1/21/2021	5.75	6.13		
3/11/2021	5.82	6.47	6.31	6
9/21/2021				5.88
9/22/2021	6.39	6.76		
9/23/2021			6.21	
2/1/2022		6.63		
2/2/2022				5.82
2/3/2022	6.14		6.15	
8/31/2022	6.06		6.29	
9/1/2022		6.08		
2/1/2023	6.16			
2/2/2023		6.23	6.19	
9/6/2023	5.92	5.64		
9/7/2023			6.09	
1/24/2024	6.12			
1/25/2024		6.21	6.15	5.56
8/20/2024				5.72
8/21/2024	6.2	6.12	6.02	
1/28/2025				5.73
1/29/2025	6.03	5.96	6.13	
7/29/2025	5.9			5.42
7/30/2025		5.84	6.15	

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.025	<0.005	<0.005	<0.005	<0.01	<0.01
11/21/2000	<0.025		<0.005	<0.005	<0.01	<0.01
1/20/2001	<0.025	<0.005	0.014 (O)	<0.005	<0.01	0.017
3/14/2001	<0.025	<0.005	<0.005	<0.005	<0.01	<0.01
7/16/2001	<0.025	<0.005	0.015 (O)	<0.005	<0.01	<0.01
11/1/2001	<0.025	<0.005				<0.01
11/2/2001			0.012 (O)	<0.005	<0.01	
4/25/2002						0.012
4/26/2002	<0.025	<0.005	<0.005	<0.005	<0.01	
11/20/2002			0.026 (O)	0.0064	0.008	0.19 (O)
11/21/2002		<0.005				
6/6/2003	<0.025	<0.005	0.022 (O)	0.011	0.0066	0.32 (O)
12/12/2003	<0.025	<0.005	0.028 (O)	<0.005	0.0056	
12/17/2003						0.013
5/26/2004	<0.025	<0.005	0.012 (O)	0.007	0.0084	0.017
12/8/2004	<0.025	<0.005				0.011
12/10/2004			0.0073	<0.005	<0.01	
6/21/2005	<0.025	<0.005	0.0087	0.0063	0.0062	0.0088
12/3/2005	<0.025	<0.005				
12/4/2005						0.011
12/5/2005			0.013 (O)	<0.005	<0.01	
4/4/2006		<0.005				
6/27/2006	<0.025	<0.005	<0.005	<0.005		<0.01
6/29/2006					<0.01	
8/30/2006		<0.005				
12/3/2006	<0.025	<0.005				
12/4/2006			<0.005	<0.005	<0.01	<0.01
2/15/2007		<0.005				
6/23/2007	<0.025	<0.005	<0.005	<0.005	<0.01	<0.01
9/11/2007		<0.005				
9/12/2007			<0.005	<0.005		<0.01
9/14/2007	<0.025				<0.01	
11/7/2007			<0.005	<0.005		<0.01
11/8/2007	<0.025	<0.005			<0.01	
12/11/2007	<0.025	<0.005			<0.01	
12/12/2007			<0.005	<0.005		<0.01
1/17/2008			<0.005	<0.005	<0.01	<0.01
1/18/2008	<0.025	<0.005				
3/11/2008		<0.005				
3/12/2008			<0.005			<0.01
3/13/2008	<0.025			<0.005	<0.01	
6/4/2008	<0.025	<0.005		<0.005		<0.01
6/5/2008			<0.005		<0.01	
6/23/2008	<0.025	<0.005				
6/24/2008			<0.005	<0.005	<0.01	<0.01
7/29/2008	<0.025	<0.005				
7/30/2008			<0.005	<0.005	<0.01	
7/31/2008						<0.01
11/3/2008		<0.005				
12/4/2008	<0.025	<0.005				
12/5/2008			<0.005	<0.005	<0.01	<0.01
3/25/2009		<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.025	<0.005	<0.005	<0.005	<0.01	<0.01
9/14/2009		<0.005				
12/20/2009	<0.025	<0.005				<0.01
12/21/2009			<0.005	<0.005	<0.01	
3/4/2010		<0.005				
6/20/2010	<0.025	<0.005		<0.005	<0.01	<0.01
6/21/2010			<0.005			
9/14/2010		<0.005				
1/6/2011				<0.005		<0.01
1/7/2011	<0.025	<0.005	<0.005		<0.01	
4/15/2011		<0.005				
7/7/2011	<0.025	<0.005		<0.005	<0.01	<0.01
7/8/2011			<0.005			
9/25/2011		<0.005				
1/17/2012	<0.025	<0.005		<0.005		<0.01
1/18/2012			<0.005		<0.01	
4/4/2012		<0.005				
7/9/2012	<0.025			<0.005		<0.01
7/10/2012		<0.005	<0.005		<0.01	
10/9/2012		<0.005				
1/17/2013				<0.005		<0.01
1/18/2013	0.009	<0.005	<0.005		<0.01	
4/5/2013		<0.005				
7/16/2013				<0.005		0.012
7/17/2013	0.011	<0.005	<0.005		<0.01	
10/11/2013		<0.005				
1/13/2014	0.012			<0.005		<0.01
1/14/2014		<0.005	<0.005		<0.01	
4/3/2014		<0.005				
7/9/2014	0.011	<0.005	<0.005	<0.005	<0.01	<0.01
10/24/2014		<0.005				
1/12/2015			<0.005			
1/13/2015	0.0092			<0.005		<0.01
1/14/2015		<0.005			<0.01	
5/10/2015		<0.005				
7/16/2015	0.014		<0.005	<0.005		<0.01
7/17/2015		<0.005			<0.01	
10/6/2015		<0.005				
1/17/2016						0.023
1/18/2016	0.023	<0.005	<0.005	<0.005	<0.01	
4/26/2016		<0.005				
7/27/2016	0.0323 (J)			<0.005		0.002 (J)
7/28/2016		0.001 (J)			<0.01	
7/29/2016			0.0036 (J)			
8/30/2016		<0.005		<0.005	<0.01	0.002 (J)
9/1/2016	0.0438		0.0067 (J)			
10/24/2016		0.0013 (J)				
10/25/2016	0.031					0.0022 (J)
10/26/2016			0.0042 (J)	<0.005	<0.01	
1/3/2017		<0.005		<0.005		
1/4/2017						0.0016 (J)
1/5/2017					0.0014 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0324		0.0042 (J)			
4/3/2017		<0.005				
4/4/2017			0.0043 (J)			0.0052 (J)
4/6/2017	0.0188 (J)			<0.005	<0.01	
7/11/2017		<0.005				
7/12/2017			0.0033 (J)	<0.005	<0.01	0.0024 (J)
7/13/2017	0.0118					
10/2/2017		<0.005				
10/3/2017				<0.005	<0.01	<0.01
10/4/2017	0.0195		0.0038 (J)			
1/9/2018	<0.025	<0.005			<0.01	
1/10/2018				<0.005		0.0018 (J)
1/11/2018			0.0029 (J)			
7/9/2018		<0.005				
7/10/2018				0.0018 (J)	0.0016 (J)	0.0026 (J)
7/11/2018	<0.025		0.0015 (J)			
1/16/2019	0.0071 (J)	<0.005	<0.005	<0.005	<0.01	0.0018 (J)
3/25/2019	<0.025	<0.005	<0.005			
3/26/2019				<0.005	0.0068 (J)	0.0023 (J)
8/26/2019	<0.025	<0.005				
8/27/2019			<0.005		0.0033 (J)	0.0016 (J)
8/28/2019				0.0033 (J)		
10/7/2019		<0.005				
10/8/2019	0.0072 (J)					
10/9/2019			<0.005	0.0073 (J)	<0.01	0.0024 (J)
4/6/2020	0.0078 (J)	<0.005				
4/7/2020			0.0025 (J)	<0.005	<0.01	0.0013 (J)
8/17/2020		<0.005				
8/19/2020	<0.025		<0.005	<0.005	<0.01	0.002 (J)
9/28/2020	0.01 (J)	<0.005				<0.01
9/30/2020				<0.005	0.0023 (J)	
10/1/2020			<0.005			
3/10/2021			0.0021 (J)	0.006	0.0049 (J)	0.0026 (J)
3/11/2021	<0.025					
3/12/2021		<0.005				
9/21/2021	<0.025	<0.005	<0.005	<0.005	0.0016 (J)	
9/23/2021						0.0018 (J)
1/31/2022	<0.025	<0.005				
2/2/2022			<0.005		0.0017 (J)	
2/3/2022				<0.005		0.0022 (J)
8/30/2022	0.0063	<0.005	0.00265 (J)	<0.005	0.00277 (J)	
9/1/2022						0.00252 (J)
1/31/2023	0.00443 (J)	<0.005				
2/1/2023				0.00187 (J)	0.00182 (J)	
2/2/2023			0.00466 (J)			0.0022 (J)
8/28/2023	0.00544	<0.005				
8/29/2023			0.00261 (J)	<0.005	0.00204 (J)	0.00182 (J)
1/23/2024	0.00657	<0.005			0.00223 (J)	0.00168 (J)
2/7/2024			0.00258 (J)			
2/8/2024				0.00485 (J)		
8/19/2024	0.00709					
8/20/2024			0.00381 (J)		0.00254 (J)	0.00155 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.005		0.00214 (J)		
1/27/2025		<0.005				
1/28/2025	0.00916		0.0032 (J)		0.00297 (J)	
1/29/2025				<0.005		0.00158 (J)
7/28/2025	0.00876	<0.005	0.00415 (J)			
7/29/2025					0.00255 (J)	0.00202 (J)
7/30/2025				<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.005	<0.01	<0.005	<0.005	<0.005
11/21/2000	<0.005	<0.005	<0.01	<0.005	<0.005	0.052
1/20/2001	<0.005	<0.005	<0.01	<0.005	<0.005	0.053
3/14/2001	<0.005	<0.005	<0.01	<0.005	<0.005	0.049
7/16/2001	<0.005	<0.005	<0.01	<0.005	<0.005	0.038
11/1/2001	<0.005		<0.01	<0.005	<0.005	0.022
11/2/2001		<0.005				
4/25/2002	<0.005					0.1
4/26/2002		<0.005	<0.01	<0.005	<0.005	
11/21/2002		<0.005	<0.01			0.018
11/22/2002	<0.005			<0.005	<0.005	
6/6/2003	<0.005					<0.005
6/7/2003		<0.005	<0.01	<0.005	<0.005	
12/12/2003	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
5/27/2004	0.005	<0.005	<0.01	<0.005	<0.005	0.023
12/8/2004	<0.005			<0.005		0.019
12/9/2004		<0.005	<0.01		<0.005	
6/22/2005		0.0062	<0.01	<0.005	<0.005	
6/23/2005	<0.005					0.019
12/3/2005	<0.005					0.0095
12/4/2005			<0.01			
12/5/2005		<0.005		<0.005	<0.005	
4/4/2006						0.033
6/28/2006			<0.01			
6/29/2006	<0.005	<0.005		<0.005	<0.005	<0.005
8/30/2006						<0.005
12/3/2006		<0.005	<0.01	<0.005	<0.005	
12/4/2006	<0.005					0.032
2/15/2007						0.034
6/23/2007	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005
9/11/2007						0.022
9/12/2007	<0.005					
9/13/2007		<0.005	<0.01	<0.005	<0.005	
11/6/2007	<0.005					0.047
11/7/2007				<0.005	<0.005	
11/8/2007		<0.005	<0.01			
12/11/2007		<0.005	<0.01	<0.005	<0.005	
12/12/2007	<0.005					0.045
1/15/2008			<0.01	<0.005	<0.005	
1/16/2008	<0.005	<0.005				<0.005
3/11/2008				<0.005	<0.005	0.02
3/12/2008	<0.005	<0.005				
3/13/2008			<0.01			
6/3/2008			<0.01	<0.005	<0.005	
6/4/2008		<0.005				
6/5/2008	<0.005					0.065
6/23/2008		<0.005	<0.01	<0.005	<0.005	
6/24/2008	<0.005					<0.005
7/29/2008		<0.005	<0.01			
7/30/2008				<0.005	<0.005	
7/31/2008	<0.005					<0.005
11/3/2008						0.052

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.005	<0.005	<0.01	<0.005	<0.005	0.054
3/25/2009						0.072
7/8/2009	<0.005	<0.005	<0.01	<0.005	<0.005	0.021
9/14/2009						0.015
12/20/2009	<0.005					0.072
12/21/2009		<0.005	<0.01	<0.005	<0.005	
3/4/2010						0.083
6/20/2010	<0.005	<0.005	<0.01	<0.005	<0.005	0.1
9/14/2010						0.085
1/6/2011	<0.005		<0.01		<0.005	
1/7/2011		<0.005		<0.005		0.028
4/15/2011						<0.005
7/7/2011	<0.005		<0.01	<0.005	<0.005	<0.005
7/8/2011		<0.005				
9/25/2011						0.02
1/17/2012	<0.005		0.023	<0.005	<0.005	0.016
1/18/2012		<0.005				
4/4/2012						0.0156
7/9/2012	<0.005		0.016	<0.005	<0.005	<0.005
7/10/2012		<0.005				
10/9/2012						0.0094
1/17/2013	<0.005		0.033	<0.005	<0.005	
1/18/2013		<0.005				0.0067
4/5/2013						0.0077
7/16/2013			0.0068	<0.005	<0.005	
7/17/2013	<0.005	<0.005				0.01
10/11/2013						0.0087
1/13/2014	<0.005		0.036	<0.005	<0.005	
1/14/2014		<0.005				0.012
4/3/2014						0.022
7/8/2014			0.017	<0.005	<0.005	
7/9/2014	<0.005	<0.005				0.0089
10/24/2014						0.017
1/13/2015	<0.005		0.027	<0.005	<0.005	
1/14/2015		<0.005				<0.005
5/10/2015						<0.005
7/16/2015	<0.005		<0.01	<0.005	<0.005	
7/17/2015		<0.005				<0.005
10/6/2015						<0.005
1/17/2016	<0.005					<0.005
1/18/2016		<0.005		<0.005	<0.005	
1/19/2016			0.023			
4/26/2016						0.00428 (J)
7/26/2016			0.0056 (J)		<0.005	
7/27/2016	0.002 (J)			0.0025 (J)		0.0038 (J)
7/28/2016		<0.005				
8/31/2016	<0.005	<0.005	0.0084 (J)	0.0019 (J)	<0.005	
9/1/2016						0.0056 (J)
10/25/2016						0.0023 (J)
10/26/2016	0.0035 (J)		0.0052 (J)	0.002 (J)	<0.005	
10/27/2016		<0.005				
1/4/2017			0.0062 (J)	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.005				<0.005	0.0038 (J)
1/6/2017		<0.005				
4/4/2017	<0.005					0.0064 (J)
4/5/2017				<0.005		
4/6/2017		<0.005	0.0195		<0.005	
7/10/2017				<0.005		
7/11/2017			<0.01			0.0044 (J)
7/12/2017		<0.005			<0.005	
7/13/2017	<0.005					
10/2/2017						0.004 (J)
10/3/2017	<0.005		0.0079 (J)			
10/4/2017		<0.005		<0.005	<0.005	
1/9/2018						0.0019 (J)
1/10/2018	<0.005				<0.005	
1/11/2018		<0.005	0.0054 (J)	<0.005		
7/9/2018						0.0029 (J)
7/10/2018	<0.005					
7/11/2018		<0.005	0.0022 (J)	<0.005	<0.005	
1/16/2019					<0.005	0.0016 (J)
1/17/2019			<0.01	<0.005		
1/18/2019		<0.005				
1/21/2019	<0.005					
3/26/2019					<0.005	0.0022 (J)
3/27/2019		<0.005	0.0014 (J)	<0.005		
7/30/2019	<0.005					
8/27/2019	<0.005		<0.01	<0.005	<0.005	0.0035 (J)
8/28/2019		<0.005				
10/8/2019			<0.01		<0.005	0.0026 (J)
10/9/2019	<0.005	<0.005		<0.005		
4/7/2020			0.0021 (J)	<0.005		0.005 (J)
4/8/2020	<0.005	<0.005			<0.005	
8/17/2020				<0.005	<0.005	
8/18/2020	<0.005		0.0028 (J)			0.0029 (J)
8/19/2020		<0.005				
9/28/2020					<0.005	
9/29/2020	<0.005		0.0024 (J)	<0.005		0.0051 (J)
10/1/2020		<0.005				
3/10/2021		<0.005	0.0044 (J)	0.003 (J)		
3/15/2021	<0.005				<0.005	
3/16/2021						0.0034 (J)
9/21/2021			0.0038 (J)	<0.005	<0.005	
9/22/2021	<0.005	<0.005				0.0034 (J)
2/2/2022	<0.005	<0.005				0.0038 (J)
2/3/2022			0.019	<0.005	<0.005	
8/30/2022				<0.005		0.00544
8/31/2022			0.00344 (J)		<0.005	
9/1/2022	<0.005	<0.005				
2/1/2023		<0.005	0.00333 (J)	<0.005	<0.005	
2/2/2023	<0.005					0.0035 (J)
8/29/2023	<0.005	<0.005			<0.005	
9/6/2023			0.0036 (J)	<0.005		0.00516
1/24/2024		<0.005	0.00303 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.005			<0.005	<0.005	0.00311 (J)
8/21/2024	<0.005	<0.005	0.00627	<0.005	<0.005	0.00337 (J)
1/28/2025			0.00324 (J)			
1/29/2025	<0.005	<0.005		<0.005	<0.005	0.00353 (J)
7/29/2025			0.00252 (J)			
7/30/2025	<0.005	<0.005		<0.005	<0.005	0.00432 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.005	<0.005	<0.005			
11/21/2000	<0.005	<0.005	<0.005			
1/20/2001	<0.005	<0.005	<0.005			
3/14/2001	<0.005	<0.005	<0.005			
7/16/2001	<0.005	<0.005	<0.005			
11/1/2001	<0.005	<0.005	<0.005			
4/25/2002	<0.005	<0.005	<0.005			
11/21/2002	0.0094	<0.005	<0.005			
6/6/2003	0.021 (O)	0.021 (O)	<0.005			
12/12/2003	0.016 (O)	0.0078	<0.005			
5/26/2004	<0.005	0.0053				
5/27/2004			<0.005			
12/8/2004	<0.005	<0.005	<0.005			
6/21/2005		<0.005				
6/23/2005	<0.005		<0.005			
12/3/2005	<0.005					
12/4/2005		<0.005				
12/5/2005			<0.005			
4/4/2006		<0.005				
6/29/2006	<0.005	<0.005	<0.005			
8/30/2006		<0.005				
12/4/2006	<0.005	<0.005	<0.005			
2/15/2007		<0.005				
6/23/2007	<0.005	<0.005	<0.005			
9/11/2007		<0.005				
9/12/2007	<0.005		<0.005			
11/6/2007	<0.005	<0.005	<0.005			
12/12/2007	<0.005	<0.005	<0.005			
1/16/2008	<0.005	0.064	<0.005			
3/11/2008		<0.005				
3/12/2008	<0.005					
3/13/2008			<0.005			
6/4/2008			<0.005			
6/5/2008	<0.005	<0.005				
6/24/2008	<0.005	<0.005	<0.005			
7/31/2008	<0.005	<0.005	<0.005			
11/3/2008		<0.005				
12/5/2008	<0.005	<0.005	<0.005			
3/25/2009		<0.005				
7/8/2009	<0.005	<0.005	<0.005			
9/14/2009		<0.005				
12/20/2009	<0.005	<0.005				
12/21/2009			<0.005			
3/4/2010		<0.005				
6/20/2010	<0.005					
6/21/2010		<0.005	<0.005	<0.005	0.048	<0.005
9/14/2010		<0.005				
1/7/2011	<0.005	<0.005	<0.005	<0.005	0.014	<0.005
4/15/2011		<0.005				
7/7/2011	<0.005	<0.005				
7/8/2011			<0.005	<0.005	0.018	<0.005
9/25/2011		<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.005					
1/18/2012		<0.005	<0.005	<0.005	<0.013	<0.005
4/4/2012		<0.005				
7/9/2012	0.066					
7/10/2012		<0.005	<0.005	<0.005	0.02	<0.005
10/9/2012		<0.005				
1/18/2013	0.04 (O)	<0.005	<0.005	0.005	0.015	<0.005
4/5/2013		<0.005				
7/17/2013	<0.005	<0.005	<0.005	<0.005	0.037	<0.005
10/11/2013		0.0069				
1/13/2014	<0.005					
1/14/2014		<0.005	<0.005	<0.005	0.043	<0.005
4/3/2014		<0.005				
7/9/2014	<0.005	0.005	<0.005		0.023	
7/10/2014				<0.005		<0.005
10/24/2014		<0.005				
1/12/2015				<0.005		
1/13/2015	<0.005					
1/14/2015		<0.005	<0.005		0.022	<0.005
5/11/2015		<0.005				
7/16/2015	<0.005	<0.005				
7/17/2015					0.033	
7/18/2015			<0.005	<0.005		<0.005
10/6/2015		0.0073				
1/17/2016	<0.005	0.0031 (J)		<0.005	0.021	
1/18/2016			<0.005			<0.005
4/26/2016		0.00497 (J)				
7/27/2016	<0.005					
7/28/2016		0.0076 (J)		<0.005	0.0341	
7/29/2016			0.0011 (J)			0.0022 (J)
8/31/2016						0.0014 (J)
9/1/2016	<0.005	0.0052 (J)	0.0012 (J)	<0.005	0.0297	
10/25/2016	<0.005	0.0085 (J)		0.0014 (J)	0.0095 (J)	
10/26/2016			0.0013 (J)			0.001 (J)
1/4/2017		0.0048 (J)		0.0014 (J)	0.022	<0.005
1/5/2017	<0.005		0.0012 (J)			
4/3/2017	<0.005					
4/4/2017				<0.005	0.0236	
4/5/2017		0.0068 (J)	<0.005			
4/6/2017						<0.005
7/11/2017	<0.005			<0.005		<0.005
7/12/2017		0.0048 (J)				
7/13/2017			0.0018 (J)		0.013	
10/2/2017	<0.005			<0.005		
10/3/2017		0.0051 (J)			0.01 (J)	
10/4/2017			0.0042 (J)			0.0023 (J)
1/9/2018	0.0019 (J)				0.0162	
1/10/2018		0.0018 (J)		<0.005		
1/11/2018			<0.005			<0.005
7/9/2018				<0.005		
7/10/2018	0.0086 (J)	0.0045 (J)			0.016	
7/11/2018			0.0016 (J)			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.005			
1/17/2019	0.0029 (J)	0.0031 (J)			0.011	
1/18/2019						<0.005
1/21/2019				0.0014 (J)		
3/25/2019				<0.005		
3/26/2019	0.0074 (J)	0.0033 (J)	<0.005		0.022	
3/27/2019						<0.005
8/27/2019	0.0092 (J)					<0.005
8/28/2019		0.004 (J)	<0.005	0.0014 (J)	0.019	
10/8/2019	0.014	0.0023 (J)			0.019	
10/9/2019			<0.005	<0.005		<0.005
4/7/2020	0.0029 (J)	<0.005			0.012	<0.005
4/8/2020			<0.005	0.0013 (J)		
8/18/2020	0.0022 (J)	0.0058 (J)	0.002 (J)	<0.005	0.013	<0.005
9/30/2020	<0.005	0.0037 (J)	<0.005	<0.005	0.0061 (J)	<0.005
3/10/2021						<0.005
3/11/2021			0.0016 (J)			
3/12/2021	0.0064			<0.005		
3/16/2021		0.0044 (J)			0.0055	
9/21/2021						<0.005
9/22/2021		0.0031 (J)	<0.005	0.0024 (J)	0.0027 (J)	
9/23/2021	0.0016 (J)					
2/1/2022		0.0024 (J)	<0.005	<0.005	0.0054	
2/3/2022	0.0031 (J)					<0.005
8/30/2022				0.00192 (J)	0.00648	
8/31/2022	0.00192 (J)		<0.005			<0.005
9/1/2022		0.00334 (J)				
2/1/2023		<0.005	<0.005	<0.005		
2/2/2023	<0.005				0.00542	<0.005
8/29/2023			<0.005			<0.005
9/6/2023		0.00161 (J)		<0.005	0.00554	
9/7/2023	<0.005					
1/23/2024						<0.005
1/24/2024	0.0028 (J)		<0.005	0.00455 (J)		
1/25/2024		0.00185 (J)			0.00452 (J)	
8/21/2024	0.00314 (J)	0.00313 (J)	<0.005	0.00209 (J)		<0.005
8/22/2024					0.00594	
1/28/2025			0.00157 (J)			<0.005
1/29/2025	<0.005	<0.005		<0.005	0.00511	
7/29/2025			<0.005	<0.005		<0.005
7/30/2025	<0.005	0.00347 (J)			0.00521	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.005	<0.005	<0.005	<0.005
9/21/2021				<0.005
9/22/2021	<0.005	<0.005		
9/23/2021			<0.005	
2/1/2022		<0.005		
2/2/2022				<0.005
2/3/2022	<0.005		<0.005	
8/31/2022	<0.005		<0.005	
9/1/2022		<0.005		
2/1/2023	<0.005			
2/2/2023		<0.005	<0.005	
9/6/2023	<0.005	<0.005		
9/7/2023			<0.005	
1/24/2024	<0.005			
1/25/2024		<0.005	<0.005	<0.005
8/20/2024				<0.005
8/21/2024	<0.005	<0.005	<0.005	
1/28/2025				<0.005
1/29/2025	<0.005	<0.005	<0.005	
7/29/2025	<0.005			<0.005
7/30/2025		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/11/2007		127				
9/12/2007			158	323		112
9/14/2007	94.7				73	
11/7/2007			177	335		112
11/8/2007	97.7	130			76	
1/17/2008			187	396	66	105
1/18/2008	60.3	130				
3/11/2008		143				
3/12/2008			214			156
3/13/2008	98.9			351	99.6	
6/4/2008	84.8	124		228		95
6/5/2008			327		66.9	
7/29/2008	86.7	122				
7/30/2008			213	384	68.6	
7/31/2008						77.3
8/30/2016		140		100	120	87
9/1/2016	73		210			
10/24/2016		160				
10/25/2016	26					83
10/26/2016			230	130	120	
1/3/2017		140		120		
1/4/2017						99
1/5/2017					130	
1/6/2017	23		220			
4/3/2017		140				
4/4/2017			230			110
4/6/2017	25			140	150	
7/11/2017		130				
7/12/2017			210	140	140	100
7/13/2017	65					
10/2/2017		150				
10/3/2017				130	140	63
10/4/2017	13		290			
1/9/2018	45	120			140	
1/10/2018				110		86
1/11/2018			210			
7/9/2018		123				
7/10/2018				48.1	128	77.7
7/11/2018	37.7		177			
1/16/2019	24.5	129	244	184	402	71.2
3/25/2019	14.7	152	245			
3/26/2019				222	319	73.8
10/7/2019		156				
10/8/2019	32.8					
10/9/2019			38.5	90.8	255	76.3
4/6/2020	20.3	123				
4/7/2020			221	180	180	83
9/28/2020	20	93.6				71.6
9/30/2020				339	339	
10/1/2020			178			
3/10/2021			160	572	1160	61.2
3/11/2021	12					

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
3/12/2021		103				
9/21/2021	11.1	96.5	232	829	645	
9/23/2021						37.3
1/31/2022	15	89.7				
2/2/2022			338		1460	
2/3/2022				797		49.2
8/30/2022	10.6	77.4	379	403	978	
9/1/2022						44
1/31/2023	7.88	79.3				
2/1/2023				190	842	
2/2/2023			337			35.3
8/28/2023	6.57	62.9				
8/29/2023			551	299	763	64.7
1/23/2024	5.11	78.2			678	54.4
1/24/2024				75.2		
1/25/2024			744			
2/7/2024			852			
2/8/2024				80		
8/19/2024	2.76					
8/20/2024			772		734	54
8/21/2024		107		289		
1/27/2025		92.8				
1/28/2025	18.2		824		563	
1/29/2025				516		35.1
7/28/2025	2.25	87.9	593			
7/29/2025					487	25.9
7/30/2025				661		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/11/2007						102
9/12/2007	5.24					
9/13/2007		21.6	10	253	12.6	
11/6/2007	9.83					123
11/7/2007				267	16	
11/8/2007		23.9	11.5			
1/15/2008			8.36	346	10.7	
1/16/2008	4.64	22.4				151
3/11/2008				338	9.6	78.3
3/12/2008	12.3	22.6				
3/13/2008			7.89			
6/3/2008			7.84	312	11	
6/4/2008		27.3				
6/5/2008	4.4					117
7/29/2008		27.8	7.7			
7/30/2008				286	11.1	
7/31/2008	5.45					36.2
8/31/2016	21	84	64	1100	43	
9/1/2016						730
10/25/2016						420
10/26/2016	100		56	900	29	
10/27/2016		76				
1/4/2017			65	880		
1/5/2017	22				32	430
1/6/2017		66				
4/4/2017	29					600
4/5/2017				990		
4/6/2017		79	110		49	
7/10/2017				480		
7/11/2017			49			400
7/12/2017		75			16	
7/13/2017	20					
10/2/2017						470
10/3/2017	20		140			
10/4/2017		78		760	33	
1/9/2018						440
1/10/2018	9.5				22	
1/11/2018		110	270	780		
7/9/2018						369
7/10/2018	8.5					
7/11/2018		87.4	211	598	17.8	
1/16/2019					20.2	291
1/17/2019			50.3	454		
1/18/2019		56.9				
1/21/2019	10.2					
3/26/2019					33.6	192
3/27/2019		76.2	76.8	579		
7/30/2019	12.3					
10/8/2019			310		22	428
10/9/2019	10.1	41.1		392		
4/7/2020			446	297		456
4/8/2020	12.9	34.2			30.7	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/28/2020					25.6	
9/29/2020	8.6		516	237		93.5
10/1/2020		35				
3/10/2021		38.7	687	282		
3/15/2021	10				30.6	
3/16/2021						92
9/21/2021			433	315	36.6	
9/22/2021	10.3	42.7				444
2/2/2022	9	31.5				589
2/3/2022			347	333	32.1	
8/30/2022				415		410
8/31/2022			653		29	
9/1/2022	10.3	28.7				
2/1/2023		25.2	1090	527	34.5	
2/2/2023	11.9					220
8/29/2023	10.5	15.7			47.5	
9/6/2023			827	437		185
1/24/2024		15.3	593			
1/25/2024	10.9			394	43.7	167
8/21/2024	11.6	24.1	404	602	44.4	71.5
1/28/2025			605			
1/29/2025	11	25.1		385	46.3	365
7/29/2025			554			
7/30/2025	11.6	22.6		388	46.6	219

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/11/2007		176				
9/12/2007	60.7		49.6			
11/6/2007	60.7	184	50.1			
1/16/2008	65.9	157	56.9			
3/11/2008		154				
3/12/2008	60.7					
3/13/2008			53.1			
6/4/2008			60.3			
6/5/2008	49.8	207				
7/31/2008	37.9	275	77.7			
8/31/2016						700
9/1/2016	120	430	310	180	36	
10/25/2016	100	360		79	16	
10/26/2016			280			850
1/4/2017		360		170	45	680
1/5/2017	140		310			
4/3/2017	150					
4/4/2017				300	46	
4/5/2017		440	460			
4/6/2017						220
7/11/2017	110			400		210
7/12/2017		490				
7/13/2017			490		33	
10/2/2017	56			390		
10/3/2017		780			34	
10/4/2017			1100			730
1/9/2018	84				29	
1/10/2018		470		99		
1/11/2018			810			180
7/9/2018				99.2		
7/10/2018	43	787			33.2	
7/11/2018			902			381
1/16/2019			422			
1/17/2019	45.2	780			24.1	
1/18/2019						107
1/21/2019				35.5		
3/25/2019				95.6		
3/26/2019	54	87.9	439		83.9	
3/27/2019						103
10/8/2019	45.8	872			85.6	
10/9/2019			346	58.5		80.2
4/7/2020	26.9	844			33.2	333
4/8/2020			239	428		
9/30/2020	18.5	736	193	956	306	65.5
3/10/2021						101
3/11/2021			244			
3/12/2021	21.1			933		
3/16/2021		821			343	
9/21/2021						52.4
9/22/2021		1040	394	905	14.6	
9/23/2021	124					
2/1/2022		1010	416	862	374	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/3/2022	102					46.2
8/30/2022				606	451	
8/31/2022	88.5		721			45.3
9/1/2022		1140				
2/1/2023		1160	547	596		
2/2/2023	34.3				447	71.6
8/29/2023			444			1010
9/6/2023		1250		460	470	
9/7/2023	46.8					
1/23/2024						44.9
1/24/2024	49.7		389	140		
1/25/2024		1130			499	
8/21/2024	34.2	1370	453	688		41.8
8/22/2024					291	
1/28/2025			391			35.5
1/29/2025	108	1540		1250	698	
7/29/2025			385	1260		812
7/30/2025	74	1360			413	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			1.6	1
1/21/2021	5	0.79 (J)		
3/11/2021	62.4	<0.4	0.52 (J)	<1
9/21/2021				<1
9/22/2021	84.6	<0.4		
9/23/2021			0.7 (J)	
2/1/2022		<0.4		
2/2/2022				<1
2/3/2022	64.8		<0.4	
8/31/2022	54.6		1.12	
9/1/2022		0.682		
2/1/2023	40.3			
2/2/2023		<0.4	<0.4	
9/6/2023	37.5	0.176 (J)		
9/7/2023			<0.4	
1/24/2024	26.4			
1/25/2024		<0.4	0.374 (J)	0.977
8/20/2024				0.299 (J)
8/21/2024	34.2	<0.4	<0.4	
1/28/2025				0.596
1/29/2025	19.9	<0.4	<0.4	
7/29/2025	19.6			0.712
7/30/2025		<0.4	0.181 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		234		224	365	225
9/1/2016	3660 (o)		1080			
10/24/2016		216				
10/25/2016	3560 (o)					230
10/26/2016			1050	297	373	
1/3/2017		333		366		
1/4/2017						349
1/5/2017					543	
1/6/2017	3490 (o)		1060			
4/3/2017		288				
4/4/2017			994			356
4/6/2017	3170 (o)			279	434	
7/11/2017		188				
7/12/2017			1070	308	454	357
7/13/2017	2280					
10/2/2017		210				
10/3/2017				288	389	192
10/4/2017	3350 (o)		1100			
1/9/2018	2640	118			415	
1/10/2018				493		277
1/11/2018			838			
7/9/2018		235				
7/10/2018				1730	453	349
7/11/2018	2200		799			
1/16/2019	2100	219	530	382	1320	341
3/25/2019	2100	240	479			
3/26/2019				1040	1250	317
10/7/2019		275				
10/8/2019	1840					
10/9/2019			502	2010	903	338
4/6/2020	1670	214				
4/7/2020			482	483	775	195
9/28/2020	1450	175				373
9/30/2020				652	816	
10/1/2020			424			
3/10/2021			434	1040	2120	329
3/11/2021	1220					
3/12/2021		163				
9/21/2021	1210	145	476	1240	985	
9/23/2021						360
1/31/2022	1260	153				
2/2/2022			654		2440	
2/3/2022				1240		315
8/30/2022	1340	154	882	886	1810	
9/1/2022						228
1/31/2023	1230	122				
2/1/2023				1240	1570	
2/2/2023			1180			166
8/28/2023	1450	138				
8/29/2023			1290	644	1320	272
1/23/2024	1580	158			1310	263
1/24/2024				2650		

Time Series

Constituent: TDS (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/25/2024			2010			
2/7/2024			2360			
2/8/2024				2530		
8/19/2024	1540					
8/20/2024			1970		1190	217
8/21/2024		165		1160		
1/27/2025		177				
1/28/2025	1730		1740		1240	
1/29/2025				1100		280
7/28/2025	1860	179	2130			
7/29/2025					1110	327
7/30/2025				1110		

Time Series

Constituent: TDS (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	39	173	119	1560	77	
9/1/2016						1170
10/25/2016						633
10/26/2016	135		108	1520	<10	
10/27/2016		221				
1/4/2017			182	1430		
1/5/2017	99				146	781
1/6/2017		259				
4/4/2017	54					916
4/5/2017				1200		
4/6/2017		169	248		23 (J)	
7/10/2017				1100		
7/11/2017			88			675
7/12/2017		163			39	
7/13/2017	50					
10/2/2017						689
10/3/2017	18 (J)		248			
10/4/2017		168		986	38	
1/9/2018						653
1/10/2018	<10				<10	
1/11/2018		190	681	1020		
7/9/2018						659
7/10/2018	49					
7/11/2018		165	440	888	63	
1/16/2019					44	656
1/17/2019			118	765		
1/18/2019		118				
1/21/2019	39					
3/26/2019					72	496
3/27/2019		104	138	673		
7/30/2019	70					
10/8/2019			613		51	841
10/9/2019	46	128		647		
4/7/2020			780	464		843
4/8/2020	38	80			65	
9/28/2020					60	
9/29/2020	33		1100	440		187
10/1/2020		111				
3/10/2021		89	1240	566		
3/15/2021	11				<10	
3/16/2021						137
9/21/2021			842	558	83	
9/22/2021	33	94				864
2/2/2022	43	96				1130
2/3/2022			538	566	72	
8/30/2022				713		720
8/31/2022			1240		55	
9/1/2022	9 (J)	85				
2/1/2023		59	2010	694	37	
2/2/2023	<10					566
8/29/2023	9 (J)	70			62	
9/6/2023			1330	686		594

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/24/2024		86	1170			
1/25/2024	17			733	75	446
8/21/2024	25	90	510	817	77	239
1/28/2025			1080			
1/29/2025	9 (J)	76		626	66	851
7/29/2025			977			
7/30/2025	20	90		638	114	722

Time Series

Constituent: TDS (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						1570
9/1/2016	539	878	1270	470	184	
10/25/2016	449	585		289	<25	
10/26/2016			1320			1840
1/4/2017		783		639	242	1560
1/5/2017	565		1770			
4/3/2017	632					
4/4/2017				660	187	
4/5/2017		722	1600			
4/6/2017						368
7/11/2017	569			836		383
7/12/2017		962				
7/13/2017			1940		86	
10/2/2017	559			698		
10/3/2017		1240			66	
10/4/2017			2370			1500
1/9/2018	520				167	
1/10/2018		935		322		
1/11/2018			2350			438
7/9/2018				461		
7/10/2018	524	1040			180	
7/11/2018			2260			876
1/16/2019			1540			
1/17/2019	518	1320			178	
1/18/2019						154
1/21/2019				307		
3/25/2019				449		
3/26/2019	541	1380	1220		292	
3/27/2019						158
10/8/2019	526	1500			278	
10/9/2019			1100	434		211
4/7/2020	428	1500			106	819
4/8/2020			881	986		
9/30/2020	434	1140	752	1860	634	113
3/10/2021						210
3/11/2021			705			
3/12/2021	353			1730		
3/16/2021		980			454	
9/21/2021						87
9/22/2021		1680	1530	1430	51	
9/23/2021	556					
2/1/2022		1990	1580	1580	783	
2/3/2022	516					89
8/30/2022				1210	807	
8/31/2022	530		2050			163
9/1/2022		1720				
2/1/2023		2010	1470	2290		
2/2/2023	440				775	113
8/29/2023			1270			2300
9/6/2023		1980		924	826	
9/7/2023	471					
1/23/2024						88

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/24/2024	497		1400	597		
1/25/2024		1860			921	
8/21/2024	464	2100	1120	1210		81
8/22/2024					517	
1/28/2025			1350			64
1/29/2025	576	2470		2110	1210	
7/29/2025			1330	2100		1910
7/30/2025	544	2100			735	

Time Series

Constituent: TDS (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			58	54
1/21/2021	41	50		
3/11/2021	149	53	57	41
9/21/2021				37
9/22/2021	184	53		
9/23/2021			56	
2/1/2022		75		
2/2/2022				54
2/3/2022	156		58	
8/31/2022	143		44	
9/1/2022		20		
2/1/2023	103			
2/2/2023		21	23	
9/6/2023	103	20		
9/7/2023			23	
1/24/2024	92			
1/25/2024		28	26	33
8/20/2024				27
8/21/2024	100	46	53	
1/28/2025				31
1/29/2025	71	31	53	
7/29/2025	67			13
7/30/2025		42	67	

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/21/2000	<0.002		<0.002	<0.002	<0.002	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/1/2001	<0.002	<0.002				<0.002
11/2/2001			<0.002	<0.002	<0.002	
4/25/2002						<0.002
4/26/2002	<0.002	<0.002	<0.002	<0.002	<0.002	
6/6/2003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/12/2003	<0.002	<0.002	<0.002 (D)	<0.002 (D)	<0.002 (D)	
12/17/2003						0.002
5/26/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/21/2005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/3/2005	<0.002	<0.002				
12/4/2005						<0.002
12/5/2005			<0.002	<0.002	<0.002	
4/4/2006		<0.002				
6/27/2006	<0.002	<0.002	<0.002	<0.002		<0.002
6/29/2006					<0.002	
8/30/2006		<0.002				
12/3/2006	<0.002	<0.002				
12/4/2006			<0.002	<0.002	<0.002	<0.002
2/15/2007		<0.002				
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/30/2016		<0.002		<0.002	<0.002	<0.002
9/1/2016	0.0005 (J)		<0.002			
10/24/2016		<0.002				
10/25/2016	<0.002					<0.002
10/26/2016			<0.002	<0.002	<0.002	
1/3/2017		<0.002		<0.002		
1/4/2017						<0.002
1/5/2017					<0.002	
1/6/2017	<0.002		<0.002			
4/3/2017		<0.002				
4/4/2017			7E-05 (J)			5E-05 (J)
4/6/2017	<0.002			<0.002	<0.002	
7/11/2017		5E-05 (J)				
7/12/2017			<0.002	<0.002	<0.002	<0.002
7/13/2017	<0.002					
10/2/2017		6E-05 (J)				
10/3/2017				<0.002	<0.002	<0.002
10/4/2017	<0.002		<0.002			
1/9/2018	<0.002	<0.002			<0.002	
1/10/2018				<0.002		<0.002
1/11/2018			7E-05 (J)			
7/9/2018		<0.002				
7/10/2018				<0.002	<0.002	<0.002
7/11/2018	<0.002		<0.002			
1/16/2019						<0.002
8/26/2019	<0.002	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/27/2019			<0.002		<0.002	<0.002
8/28/2019				5.7E-05 (J)		
10/7/2019		6.2E-05 (J)				
10/8/2019	<0.002					
10/9/2019			<0.002	0.00031 (J)	<0.002	5.4E-05 (J)
4/6/2020	<0.002	<0.002				
4/7/2020			<0.002	<0.002	<0.002	5.4E-05 (J)
8/17/2020		<0.002				
8/19/2020	<0.002		<0.002	<0.002	<0.002	<0.002
9/28/2020	<0.002	<0.002				<0.002
9/30/2020				<0.002	<0.002	
10/1/2020			<0.002			
3/10/2021			<0.002	<0.002	<0.002	<0.002
3/11/2021	<0.002					
3/12/2021		<0.002				
9/21/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
9/23/2021						<0.002
1/31/2022	<0.002	<0.002				
2/2/2022			<0.002		<0.002	
2/3/2022				<0.002		<0.002
8/30/2022	<0.002	<0.002	<0.002	<0.002	<0.002	
9/1/2022						<0.002
1/31/2023	<0.002	<0.002				
2/1/2023				<0.002	<0.002	
2/2/2023			<0.002			<0.002
8/28/2023	<0.002	<0.002				
8/29/2023			<0.002	<0.002	<0.002	<0.002
1/23/2024	<0.002	<0.002			<0.002	<0.002
2/7/2024			<0.002			
2/8/2024				<0.002		
8/19/2024	<0.002					
8/20/2024			<0.002		<0.002	<0.002
8/21/2024		<0.002		<0.002		
1/27/2025		<0.002				
1/28/2025	<0.002		<0.002		<0.002	
1/29/2025				<0.002		<0.002
7/28/2025	<0.002	<0.002	<0.002			
7/29/2025					<0.002	<0.002
7/30/2025				<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.002	<0.002	<0.002	<0.002	<0.002
11/21/2000	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/1/2001	<0.002		<0.002	<0.002	<0.002	<0.002
11/2/2001		<0.002				
4/25/2002	<0.002					<0.002
4/26/2002		<0.002	<0.002	<0.002	<0.002	
6/6/2003	0.0023					<0.002
6/7/2003		<0.002	<0.002	<0.002	<0.002	
12/12/2003	<0.002	<0.002	<0.002 (D)	<0.002 (D)	<0.002	<0.002
5/26/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/22/2005		<0.002	<0.002	<0.002	<0.002	
6/23/2005	<0.002					<0.002
12/3/2005	<0.002					<0.002
12/4/2005			<0.002			
12/5/2005		<0.002		<0.002	<0.002	
4/4/2006						<0.002
6/28/2006			<0.002			
6/29/2006	<0.002	<0.002		<0.002	<0.002	<0.002
8/30/2006						<0.002
12/3/2006		<0.002	<0.002	<0.002	<0.002	
12/4/2006	<0.002					<0.002
2/15/2007						<0.002
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/31/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
9/1/2016						<0.002
10/25/2016						<0.002
10/26/2016	<0.002		<0.002	0.0003 (J)	<0.002	
10/27/2016		<0.002				
1/4/2017			<0.002	<0.002		
1/5/2017	<0.002				<0.002	<0.002
1/6/2017		<0.002				
4/4/2017	<0.002					7E-05 (J)
4/5/2017				0.0002 (J)		
4/6/2017		<0.002	6E-05 (J)		<0.002	
7/10/2017				0.0002 (J)		
7/11/2017			<0.002			6E-05 (J)
7/12/2017		<0.002			<0.002	
7/13/2017	<0.002					
10/2/2017						<0.002
10/3/2017	<0.002		7E-05 (J)			
10/4/2017		<0.002		0.0002 (J)	<0.002	
1/9/2018						<0.002
1/10/2018	<0.002				<0.002	
1/11/2018		<0.002	0.0001 (J)	0.0002 (J)		
7/9/2018						<0.002
7/10/2018	<0.002					
7/11/2018		<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
7/30/2019	0.00011 (J)					
8/27/2019	<0.002		<0.002	0.00011 (J)	<0.002	<0.002
8/28/2019		<0.002				
10/8/2019			9.8E-05 (J)		<0.002	<0.002
10/9/2019	<0.002	<0.002		0.00014 (J)		
4/7/2020			0.00019 (J)	0.00013 (J)		<0.002
4/8/2020	<0.002	<0.002			<0.002	
8/17/2020				<0.002	<0.002	
8/18/2020	<0.002		0.00021 (J)			<0.002
8/19/2020		<0.002				
9/28/2020					<0.002	
9/29/2020	<0.002		0.00017 (J)	<0.002		<0.002
10/1/2020		<0.002				
3/10/2021		<0.002	0.00022 (J)	<0.002		
3/15/2021	<0.002				<0.002	
3/16/2021						<0.002
9/21/2021			<0.002	<0.002	<0.002	
9/22/2021	<0.002	<0.002				<0.002
2/2/2022	<0.002	<0.002				<0.002
2/3/2022			<0.002	<0.002	<0.002	
8/30/2022				<0.002		<0.002
8/31/2022			<0.002		<0.002	
9/1/2022	<0.002	<0.002				
2/1/2023		<0.002	<0.002	<0.002	<0.002	
2/2/2023	<0.002					<0.002
8/29/2023	<0.002	<0.002			<0.002	
9/6/2023			<0.002	<0.002		<0.002
1/24/2024		<0.002	<0.002			
1/25/2024	<0.002			<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/28/2025			<0.002			
1/29/2025	<0.002	<0.002		<0.002	<0.002	<0.002
7/29/2025			<0.002			
7/30/2025	<0.002	<0.002		<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.002	<0.002	<0.002			
11/21/2000	<0.002	<0.002	<0.002			
1/20/2001	<0.002	<0.002	<0.002			
3/14/2001	<0.002	<0.002	<0.002			
7/16/2001	<0.002	<0.002	<0.002			
11/1/2001	<0.002	<0.002	<0.002			
4/25/2002	<0.002	<0.002	<0.002			
6/6/2003	<0.002	<0.002	<0.002			
12/12/2003	<0.002	<0.002	<0.002			
5/26/2004	<0.002	<0.002	<0.002			
12/7/2004	<0.002	<0.002	<0.002			
6/21/2005		<0.002				
6/23/2005	<0.002		<0.002			
12/3/2005	<0.002					
12/4/2005		<0.002				
12/5/2005			<0.002			
4/4/2006		<0.002				
6/29/2006	<0.002	<0.002	<0.002			
8/30/2006		<0.002				
12/4/2006	<0.002	<0.002	<0.002			
2/15/2007		<0.002				
6/23/2007	<0.002	<0.002	<0.002			
8/31/2016						<0.002
9/1/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
10/25/2016	<0.002	<0.002		<0.002	<0.002	
10/26/2016			<0.002			<0.002
1/4/2017		<0.002		<0.002	<0.002	<0.002
1/5/2017	<0.002		<0.002			
4/3/2017	<0.002					
4/4/2017				<0.002	5E-05 (J)	
4/5/2017		6E-05 (J)	0.0001 (J)			
4/6/2017						<0.002
7/11/2017	<0.002			<0.002		<0.002
7/12/2017		<0.002				
7/13/2017			<0.002		<0.002	
10/2/2017	<0.002			<0.002		
10/3/2017		<0.002			<0.002	
10/4/2017			0.0001 (J)			0.0001 (J)
1/9/2018	<0.002				<0.002	
1/10/2018		5E-05 (J)		<0.002		
1/11/2018			0.0001 (J)			6E-05 (J)
7/9/2018				<0.002		
7/10/2018	<0.002	<0.002			<0.002	
7/11/2018			<0.002			<0.002
8/27/2019	<0.002					8.6E-05 (J)
8/28/2019		<0.002	6.6E-05 (J)	<0.002	<0.002	
10/8/2019	<0.002	<0.002			<0.002	
10/9/2019			7.6E-05 (J)	<0.002		<0.002
4/7/2020	<0.002	<0.002			<0.002	6.5E-05 (J)
4/8/2020			5.6E-05 (J)	<0.002		
8/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002	0.00017 (J)
9/30/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
3/10/2021						<0.002
3/11/2021			<0.002			
3/12/2021	<0.002			<0.002		
3/16/2021		<0.002			<0.002	
9/21/2021						<0.002
9/22/2021		<0.002	<0.002	<0.002	<0.002	
9/23/2021	<0.002					
2/1/2022		<0.002	<0.002	<0.002	<0.002	
2/3/2022	<0.002					<0.002
8/30/2022				<0.002	<0.002	
8/31/2022	<0.002		<0.002			<0.002
9/1/2022		<0.002				
2/1/2023		<0.002	<0.002	<0.002		
2/2/2023	<0.002				<0.002	<0.002
8/29/2023			<0.002			<0.002
9/6/2023		<0.002		<0.002	<0.002	
9/7/2023	<0.002					
1/23/2024						<0.002
1/24/2024	<0.002		<0.002	<0.002		
1/25/2024		<0.002			<0.002	
8/21/2024	<0.002	<0.002	<0.002	<0.002		<0.002
8/22/2024					<0.002	
1/28/2025			<0.002			<0.002
1/29/2025	<0.002	<0.002		<0.002	<0.002	
7/29/2025			<0.002	<0.002		<0.002
7/30/2025	<0.002	<0.002			<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.002	<0.002	<0.002	<0.002
9/21/2021				<0.002
9/22/2021	<0.002	<0.002		
9/23/2021			<0.002	
2/1/2022		<0.002		
2/2/2022				<0.002
2/3/2022	<0.002		<0.002	
8/31/2022	<0.002		<0.002	
9/1/2022		<0.002		
2/1/2023	<0.002			
2/2/2023		<0.002	<0.002	
9/6/2023	<0.002	<0.002		
9/7/2023			<0.002	
1/24/2024	<0.002			
1/25/2024		<0.002	<0.002	<0.002
8/20/2024				<0.002
8/21/2024	<0.002	<0.002	<0.002	
1/28/2025				<0.002
1/29/2025	<0.002	<0.002	<0.002	
7/29/2025	<0.002			<0.002
7/30/2025		<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.0025	<0.02	0.06	0.038	0.12	<0.02
11/21/2000	<0.0025		0.068	0.013	0.13	<0.02
1/20/2001	<0.0025	<0.02	0.12	0.038	0.14	<0.02
3/14/2001	<0.0025	<0.02	0.08	0.077	0.13	<0.02
7/16/2001	<0.0025	<0.02	0.11	0.12 (O)	0.18	<0.02
11/1/2001	<0.0025	<0.02				<0.02
11/2/2001			0.079	0.21 (O)	0.12	
4/25/2002						<0.02
4/26/2002	<0.0025	<0.02	0.11	0.086	0.15	
11/20/2002			0.15	0.14 (O)	0.15	0.0069
11/21/2002		<0.02				
6/6/2003	0.047	0.017	0.12	0.12 (O)	0.11	0.16 (O)
12/12/2003	0.0086	0.011	0.13	0.014	0.089	
12/17/2003						<0.02
5/26/2004	<0.0025	<0.02	0.095	0.06	0.09	<0.02
12/8/2004	<0.0025	<0.02				<0.02
12/10/2004			0.067	0.054	0.072	
6/21/2005	<0.0025	<0.02	0.062	0.038	0.04	<0.02
12/3/2005	<0.0025	<0.02				
12/4/2005						<0.02
12/5/2005			0.09	0.0056	0.021	
4/4/2006		<0.02				
6/27/2006	<0.0025	<0.02	0.083	0.0043		0.0029
6/29/2006					0.02	
8/30/2006		<0.02				
12/3/2006	0.0027	<0.02				
12/4/2006			0.084	0.0044	0.022	0.0047
2/15/2007		<0.02				
6/23/2007	0.0027	<0.02	0.081	0.0039	0.027	0.0029
9/11/2007		<0.02				
9/12/2007			0.076	0.0031		0.0032
9/14/2007	0.0035				0.019	
11/7/2007			0.081	0.0035		0.0025
11/8/2007	0.0044	0.0026			0.023	
12/11/2007	0.0033	<0.02			0.017	
12/12/2007			0.067	0.0029		<0.02
1/17/2008			0.069	0.0032	0.018	0.0029
1/18/2008	0.0052	<0.02				
3/11/2008		<0.02				
3/12/2008			0.054			<0.02
3/13/2008	0.0045			0.0026	0.016	
6/4/2008	0.0073	<0.02		<0.01		0.0033
6/5/2008			0.055		0.016	
6/23/2008	0.0074	<0.02				
6/24/2008			0.059	0.003	0.053	<0.02
7/29/2008	0.0068	<0.02				
7/30/2008			0.059	<0.01	0.022	
7/31/2008						<0.02
11/3/2008		<0.02				
12/4/2008	0.0084	<0.02				
12/5/2008			0.054	<0.01	0.0078	<0.02
3/25/2009		<0.02				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	0.023	<0.02	0.038	<0.01	0.012	<0.02
9/14/2009		<0.02				
12/20/2009	0.007	<0.02				<0.02
12/21/2009			0.06	<0.01	0.011	
3/4/2010		<0.02				
6/20/2010	0.0047	<0.02		<0.01	0.0083	0.0037
6/21/2010			0.036			
9/14/2010		<0.02				
1/6/2011				0.0067		<0.02
1/7/2011	0.018	<0.02	0.043		0.0079	
4/15/2011		<0.02				
7/7/2011	0.019	<0.02		0.019	0.007	0.0045
7/8/2011			0.044			
9/25/2011		<0.02				
1/17/2012	0.0298	<0.02		0.021		<0.02
1/18/2012			0.045		0.0116	
4/4/2012		<0.02				
7/9/2012	0.14			0.032		0.0026
7/10/2012		<0.02	0.048		0.0096	
10/9/2012		<0.02				
1/17/2013				0.034		<0.02
1/18/2013	0.21	<0.02	0.049		<0.005	
4/5/2013		<0.02				
7/16/2013				0.021		<0.02
7/17/2013	0.18	<0.02	0.05		<0.005	
10/11/2013		<0.02				
1/13/2014	0.24			0.0084		0.0024 (J)
1/14/2014		<0.02	0.067		0.0047 (J)	
4/3/2014		0.0015 (J)				
7/9/2014	0.22	0.0012 (J)	0.055	0.0052	0.0039 (J)	0.0041 (J)
10/24/2014		<0.02				
1/12/2015			0.066			
1/13/2015	0.19			0.0036 (J)		0.0029 (J)
1/14/2015		<0.02			0.005	
5/10/2015		<0.02				
7/16/2015	0.23		0.045	0.004 (J)		0.0034 (J)
7/17/2015		<0.02			0.0045 (J)	
10/6/2015		0.0012 (J)				
1/17/2016						0.0046 (J)
1/18/2016	0.41 (O)	0.00079 (J)	0.049	0.0069	0.0044 (J)	
4/26/2016		<0.02				
7/27/2016	0.397 (O)			0.0046 (J)		0.0064 (J)
7/28/2016		<0.02			0.0038 (J)	
7/29/2016			0.0388			
10/24/2016		<0.02				
10/25/2016	0.425 (O)					
1/3/2017		<0.02		<0.01		
1/4/2017						<0.02
1/5/2017					0.0077 (J)	
1/6/2017	0.41 (O)		0.0341			
4/3/2017		<0.02				
4/4/2017			0.0371			0.0061 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
4/6/2017	0.297 (O)			0.0063 (J)	0.0069 (J)	
7/11/2017		<0.02				
7/12/2017			0.0399	0.0064 (J)	0.0098 (J)	0.0067 (J)
7/13/2017	0.194					
10/2/2017		<0.02				
10/4/2017	0.316 (O)					
1/9/2018	0.194	0.0014 (J)			0.0086 (J)	
1/10/2018				0.0077 (J)		0.0056 (J)
1/11/2018			0.0327			
7/9/2018		<0.02				
7/10/2018				0.016	0.0098 (J)	0.0056 (J)
7/11/2018	0.15		0.02			
1/16/2019	0.16	<0.02	0.0022 (J)	0.0033 (J)	0.077	0.0043 (J)
3/25/2019	0.18	<0.02	0.004 (J)			
3/26/2019				0.0058 (J)	0.086	0.0051 (J)
10/7/2019		<0.02				
10/8/2019	0.11					
10/9/2019			<0.01	0.033 (J)	0.018 (J)	<0.02
4/6/2020	0.12	<0.02				
4/7/2020			0.0037 (J)	0.0053 (J)	0.041 (J)	0.0015 (J)
9/28/2020	0.1	<0.02				0.0042 (J)
9/30/2020				0.0037 (J)	0.018	
10/1/2020			0.0047 (J)			
3/10/2021			0.0054 (J)	0.0026 (J)	0.027	0.005 (J)
3/11/2021	0.14					
3/12/2021		<0.02				
9/21/2021	0.096	<0.02	0.0027 (J)	0.0039 (J)	0.015	
9/23/2021						0.0042 (J)
1/31/2022	0.1	<0.02				
2/2/2022			0.0031 (J)		0.0099 (J)	
2/3/2022				0.0046 (J)		0.0028 (J)
8/30/2022	0.11	0.00372 (J)	0.00943 (J)	0.0138 (J)	0.0192 (J)	
9/1/2022						0.00748 (J)
1/31/2023	0.106	<0.02				
2/1/2023				0.0255	0.0201	
2/2/2023			0.021			0.00497 (J)
8/28/2023	0.137	0.0148 (J)				
8/29/2023			0.0201	0.00917 (J)	0.0226	0.0146 (J)
1/23/2024	0.148	0.00564 (J)			0.022	<0.02
2/7/2024			0.0119 (J)			
2/8/2024				0.0609		
8/19/2024	0.125					
8/20/2024			0.0189 (J)		0.0155 (J)	<0.02
8/21/2024		<0.02		0.0209		
1/27/2025		<0.02				
1/28/2025	0.167		0.0116 (J)		0.0211	
1/29/2025				0.0125 (J)		0.00626 (J)
7/28/2025	0.156	0.00341 (J)	0.0278			
7/29/2025					0.0285	0.00673 (J)
7/30/2025				0.00844 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.02	<0.02	<0.01	<0.02	<0.01
11/21/2000	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
1/20/2001	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
3/14/2001	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
7/16/2001	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
11/1/2001	<0.02		<0.02	<0.01	<0.02	<0.01
11/2/2001		<0.02				
4/25/2002	<0.02					<0.01
4/26/2002		<0.02	<0.02	<0.01	<0.02	
11/21/2002		0.014	0.0071			0.03
11/22/2002	<0.02			<0.01	<0.02	
6/6/2003	<0.02					0.0065
6/7/2003		<0.02	0.0098	<0.01	0.0063	
12/12/2003	<0.02	<0.02	0.0074	<0.01	<0.02	0.0052
5/27/2004	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
12/8/2004	<0.02			<0.01		0.0074
12/9/2004		<0.02	<0.02		<0.02	
6/22/2005		<0.02	<0.02	<0.01	<0.02	
6/23/2005	<0.02					0.01
12/3/2005	<0.02					0.0065
12/4/2005			<0.02			
12/5/2005		<0.02		<0.01	<0.02	
4/4/2006						0.013
6/28/2006			<0.02			
6/29/2006	<0.02	<0.02		<0.01	<0.02	0.0045
8/30/2006						0.0039
12/3/2006		<0.02	<0.02	<0.01	<0.02	
12/4/2006	<0.02					0.016
2/15/2007						0.017
6/23/2007	<0.02	<0.02	0.0036	<0.01	<0.02	0.0076
9/11/2007						0.012
9/12/2007	<0.02					
9/13/2007		<0.02	<0.02	<0.01	<0.02	
11/6/2007	<0.02					0.016
11/7/2007				<0.01	<0.02	
11/8/2007		<0.02	<0.02			
12/11/2007		<0.02	<0.02	<0.01	<0.02	
12/12/2007	<0.02					0.017
1/15/2008			<0.02	<0.01	<0.02	
1/16/2008	<0.02	<0.02				<0.01
3/11/2008				<0.01	<0.02	0.012
3/12/2008	<0.02	<0.02				
3/13/2008			<0.02			
6/3/2008			<0.02	<0.01	<0.02	
6/4/2008		<0.02				
6/5/2008	<0.02					0.017
6/23/2008		<0.02	<0.02	<0.01	<0.02	
6/24/2008	<0.02					0.0069
7/29/2008		<0.02	<0.02			
7/30/2008				<0.01	<0.02	
7/31/2008	<0.02					0.0074
11/3/2008						0.016

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.02	<0.02	<0.02	<0.01	<0.02	0.013
3/25/2009						0.014
7/8/2009	<0.02	0.0029	0.0026	<0.01	<0.02	0.014
9/14/2009						0.0072
12/20/2009	<0.02					0.02
12/21/2009		<0.02	<0.02	<0.01	<0.02	
3/4/2010						0.023
6/20/2010	<0.02	<0.02	<0.02	<0.01	<0.02	0.017
9/14/2010						0.018
1/6/2011	<0.02		0.003		0.0028	
1/7/2011		<0.02		<0.01		0.019
4/15/2011						0.019
7/7/2011	<0.02		0.004	<0.01	<0.02	0.014
7/8/2011		<0.02				
9/25/2011						0.015
1/17/2012	<0.02		<0.02	<0.01	<0.02	0.021
1/18/2012		<0.02				
4/4/2012						0.0191
7/9/2012	<0.02		0.005	<0.01	<0.02	0.026
7/10/2012		<0.02				
10/9/2012						0.049
1/17/2013	<0.02		0.005	<0.01	<0.02	
1/18/2013		<0.02				0.036
4/5/2013						0.04
7/16/2013			<0.02	<0.01	<0.02	
7/17/2013	<0.02	<0.02				0.062
10/11/2013						0.032
1/13/2014	<0.02		0.0033 (J)	0.004 (J)	0.0011 (J)	
1/14/2014		<0.02				0.044
4/3/2014						0.077 (O)
7/8/2014			0.0024 (J)	0.0034 (J)	0.002 (J)	
7/9/2014	<0.02	0.0016 (J)				0.032
10/24/2014						0.045
1/13/2015	<0.02		0.0023 (J)	<0.01	0.0015 (J)	
1/14/2015		<0.02				0.031
5/10/2015						0.013
7/16/2015	<0.02		0.002 (J)	0.0049 (J)	<0.02	
7/17/2015		0.0029 (J)				0.028
10/6/2015						0.02
1/17/2016	<0.02					0.028
1/18/2016		<0.02		0.0058	0.0011 (J)	
1/19/2016			0.0025 (J)			
4/26/2016						0.0181
7/26/2016			0.0027 (J)		<0.02	
7/27/2016	<0.02			0.0058 (J)		0.0189
7/28/2016		<0.02				
10/25/2016						0.0206
1/4/2017			<0.02	<0.01		
1/5/2017	<0.02				<0.02	0.0172
1/6/2017		<0.02				
4/4/2017	<0.02					0.0235
4/5/2017				0.0039 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017		<0.02	0.0025 (J)		<0.02	
7/10/2017				0.0062 (J)		
7/11/2017			0.0027 (J)			0.0136
7/12/2017		0.0013 (J)			0.0016 (J)	
7/13/2017	<0.02					
10/2/2017						0.0175
1/9/2018						0.0103
1/10/2018	<0.02				0.0019 (J)	
1/11/2018		<0.02	0.0019 (J)	0.0025 (J)		
7/9/2018						0.0078 (J)
7/10/2018	<0.02					
7/11/2018		<0.02	0.0021 (J)	0.0059 (J)	0.0097 (J)	
1/16/2019					<0.02	0.0043 (J)
1/17/2019			0.0021 (J)	<0.01		
1/18/2019		<0.02				
1/21/2019	0.0024 (J)					
3/26/2019					0.0029 (J)	0.0063 (J)
3/27/2019		<0.02	0.0023 (J)	0.0049 (J)		
7/30/2019	<0.02					
10/8/2019			<0.02		<0.02	<0.01
10/9/2019	<0.02	<0.02		0.0021 (J)		
4/7/2020			<0.02	0.0024 (J)		0.0026 (J)
4/8/2020	<0.02	0.0015 (J)			<0.02	
9/28/2020					<0.02	
9/29/2020	<0.02		0.0023 (J)	0.0046 (J)		<0.01
10/1/2020		<0.02				
3/10/2021		<0.02	0.0023 (J)	0.0055 (J)		
3/15/2021	<0.02				<0.02	
3/16/2021						<0.01
9/21/2021			0.002 (J)	0.0051 (J)	<0.02	
9/22/2021	<0.02	<0.02				0.0052 (J)
2/2/2022	<0.02	<0.02				0.004 (J)
2/3/2022			0.0031 (J)	0.0052 (J)	<0.02	
8/30/2022				0.00949 (J)		0.00933 (J)
8/31/2022			0.00481 (J)		<0.02	
9/1/2022	0.0045 (J)	0.00514 (J)				
2/1/2023		<0.02	0.00373 (J)	0.0056 (J)	<0.02	
2/2/2023	<0.02					0.00594 (J)
8/29/2023	0.00777 (J)	0.0103 (J)			0.0188 (J)	
9/6/2023			0.00685 (J)	0.0101 (J)		0.00671 (J)
1/24/2024		<0.02	0.00641 (J)			
1/25/2024	<0.02			0.00544 (J)	0.00439 (J)	0.00731 (J)
8/21/2024	<0.02	<0.02	0.00332 (J)	0.00869 (J)	<0.02	0.0038 (J)
1/28/2025			<0.02			
1/29/2025	<0.02	<0.02		0.00777 (J)	0.00361 (J)	0.00825 (J)
7/29/2025			0.00404 (J)			
7/30/2025	0.00539 (J)	0.00373 (J)		0.0107 (J)	0.00332 (J)	0.00867 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.01	<0.05	<0.02			
11/21/2000	<0.01	<0.05	<0.02			
1/20/2001	<0.01	<0.05	<0.02			
3/14/2001	<0.01	<0.05	<0.02			
7/16/2001	<0.01	<0.05	<0.02			
11/1/2001	<0.01	<0.05	<0.02			
4/25/2002	<0.01	<0.05	<0.02			
11/21/2002	0.0099	0.0069	<0.02			
6/6/2003	0.019	0.082	<0.02			
12/12/2003	0.018	0.012	<0.02			
5/26/2004	<0.01	<0.05				
5/27/2004			<0.02			
12/8/2004	<0.01	<0.05	<0.02			
6/21/2005		<0.05				
6/23/2005	<0.01		<0.02			
12/3/2005	<0.01					
12/4/2005		<0.05				
12/5/2005			<0.02			
4/4/2006		<0.05				
6/29/2006	<0.01	<0.05	0.0025			
8/30/2006		<0.05				
12/4/2006	<0.01	0.0031	<0.02			
2/15/2007		0.0025				
6/23/2007	<0.01	0.0032	<0.02			
9/11/2007		<0.05				
9/12/2007	0.0026		<0.02			
11/6/2007	<0.01	<0.05	<0.02			
12/12/2007	<0.01	<0.05	<0.02			
1/16/2008	<0.01	0.02	<0.02			
3/11/2008		<0.05				
3/12/2008	<0.01					
3/13/2008			<0.02			
6/4/2008			<0.02			
6/5/2008	<0.01	<0.05				
6/24/2008	<0.01	<0.05	<0.02			
7/31/2008	<0.01	0.0031	<0.02			
11/3/2008		0.0032				
12/5/2008	<0.01	<0.05	<0.02			
3/25/2009		<0.05				
7/8/2009	<0.01	0.0036	<0.02			
9/14/2009		0.0026				
12/20/2009	<0.01	0.0031				
12/21/2009			<0.02			
3/4/2010		<0.05				
6/20/2010	<0.01					
6/21/2010		0.0025	<0.02	<0.01	<0.01	<0.02
9/14/2010		0.0035				
1/7/2011	<0.01	0.0036	<0.02	0.0029	0.0031	<0.02
4/15/2011		<0.05				
7/7/2011	0.0036	0.003				
7/8/2011			0.0031	0.0046	0.0048	<0.02
9/25/2011		0.0037				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.01					
1/18/2012		<0.05	<0.02	<0.01	<0.01	<0.02
4/4/2012		<0.05				
7/9/2012	0.0059					
7/10/2012		0.0026	<0.02	0.0081	<0.01	<0.02
10/9/2012		0.007				
1/18/2013	<0.01	<0.05	<0.02	0.0063	<0.01	<0.02
4/5/2013		<0.05				
7/17/2013	<0.01	<0.05	<0.02	<0.01	<0.01	<0.02
10/11/2013		<0.05				
1/13/2014	0.0021 (J)					
1/14/2014		0.003 (J)	0.0031 (J)	0.0026 (J)	0.0057	0.0026 (J)
4/3/2014		0.0032 (J)				
7/9/2014	0.0012 (J)	0.0031 (J)	0.0012 (J)		0.0019 (J)	
7/10/2014				0.0026 (J)		0.0053
10/24/2014		0.0028 (J)				
1/12/2015				0.0031 (J)		
1/13/2015	0.0013 (J)					
1/14/2015		0.0034 (J)	0.002 (J)		0.0037 (J)	0.0013 (J)
5/11/2015		0.0026 (J)				
7/16/2015	<0.01	0.0028 (J)				
7/17/2015					0.0028 (J)	
7/18/2015			<0.02	0.003 (J)		0.0043 (J)
10/6/2015		0.0016 (J)				
1/17/2016	0.0013 (J)	0.0029 (J)		0.0025 (J)	0.0039 (J)	
1/18/2016			0.0019 (J)			<0.02
4/26/2016		0.00296 (J)				
7/27/2016	<0.01					
7/28/2016		0.0026 (J)		0.0024 (J)	0.0022 (J)	
7/29/2016			0.0031 (J)			0.0052 (J)
10/25/2016	<0.01	<0.05		<0.01		
1/4/2017		<0.05		<0.01	<0.01	<0.02
1/5/2017	<0.01		<0.02			
4/3/2017	0.002 (J)					
4/4/2017				0.0024 (J)	0.003 (J)	
4/5/2017		0.0033 (J)	0.0029 (J)			
4/6/2017						<0.02
7/11/2017	0.0022 (J)			0.003 (J)		0.0016 (J)
7/12/2017		0.0037 (J)				
7/13/2017			0.0037 (J)		0.0019 (J)	
10/2/2017	0.0022 (J)			0.0028 (J)		
10/3/2017		0.0036 (J)				
1/9/2018	0.0021 (J)				0.0046 (J)	
1/10/2018		0.0029 (J)		0.0026 (J)		
1/11/2018			0.0026 (J)			0.0012 (J)
7/9/2018				<0.01		
7/10/2018	0.0025 (J)	0.0025 (J)			0.0031 (J)	
7/11/2018			0.0032 (J)			0.0025 (J)
1/16/2019			<0.02			
1/17/2019	<0.01	0.0021 (J)			0.0022 (J)	
1/18/2019						<0.02
1/21/2019				0.0031 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
3/25/2019				0.0024 (J)		
3/26/2019	0.0026 (J)	0.0038 (J)	0.0024 (J)		0.0041 (J)	
3/27/2019						0.002 (J)
10/8/2019	<0.01	<0.05			<0.01	
10/9/2019			<0.02	<0.01		<0.02
4/7/2020	<0.01	<0.05			<0.01	0.0014 (J)
4/8/2020			<0.02	<0.01		
9/30/2020	0.0028 (J)	0.0028 (J)	<0.02	0.0029 (J)	0.0029 (J)	<0.02
3/10/2021						<0.02
3/11/2021			<0.02			
3/12/2021	0.0037 (J)			0.0038 (J)		
3/16/2021		0.0034 (J)			0.003 (J)	
9/21/2021						<0.02
9/22/2021		0.0025 (J)	<0.02	0.0033 (J)	<0.01	
9/23/2021	0.0022 (J)					
2/1/2022		0.0021 (J)	0.0022 (J)	0.0039 (J)	0.0036 (J)	
2/3/2022	0.0023 (J)					<0.02
8/30/2022				0.00647 (J)	0.00715 (J)	
8/31/2022	0.00476 (J)		0.00599 (J)			0.00396 (J)
9/1/2022		0.0065 (J)				
2/1/2023		0.00361 (J)	0.005 (J)	0.00526 (J)		
2/2/2023	0.00453 (J)				0.00537 (J)	<0.02
8/29/2023			0.0108 (J)			0.0353
9/6/2023		0.00631 (J)		0.00768 (J)	0.0101 (J)	
9/7/2023	0.00462 (J)					
1/23/2024						0.00394 (J)
1/24/2024	0.00594 (J)		0.0059 (J)	0.00642 (J)		
1/25/2024		0.00575 (J)			0.00735 (J)	
8/21/2024	0.00338 (J)	0.00407 (J)	<0.02	0.00558 (J)		<0.02
8/22/2024					0.00457 (J)	
1/28/2025			<0.02			<0.02
1/29/2025	0.00419 (J)	0.00543 (J)		0.00736 (J)	0.00701 (J)	
7/29/2025			0.00465 (J)	0.00636 (J)		0.00665 (J)
7/30/2025	0.00438 (J)	0.00574 (J)			0.00587 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.02	<0.02	0.0024 (J)	<0.02
9/21/2021				<0.02
9/22/2021	<0.02	<0.02		
9/23/2021			<0.02	
2/1/2022		<0.02		
2/2/2022				<0.02
2/3/2022	<0.02		<0.02	
8/31/2022	<0.02		<0.02	
9/1/2022		0.00414 (J)		
2/1/2023	<0.02			
2/2/2023		<0.02	<0.02	
9/6/2023	<0.02	<0.02		
9/7/2023			<0.02	
1/24/2024	<0.02			
1/25/2024		<0.02	<0.02	<0.02
8/20/2024				<0.02
8/21/2024	<0.02	<0.02	<0.02	
1/28/2025				<0.02
1/29/2025	<0.02	<0.02	<0.02	
7/29/2025	<0.02			<0.02
7/30/2025		<0.02	<0.02	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.05	<0.02	<0.02	0.026	<0.01	<0.02
11/21/2000	<0.05		<0.02	<0.02	0.024	<0.02
1/20/2001	<0.05	0.025	0.041	0.031	<0.01	<0.02
3/14/2001	<0.05	<0.02	<0.02	0.063	<0.01	<0.02
7/16/2001	<0.05	<0.02	0.059	0.08	<0.01	<0.02
11/1/2001	<0.05	<0.02				<0.02
11/2/2001			<0.02	0.16	<0.01	
4/25/2002						<0.02
4/26/2002	<0.05	<0.02	<0.02	<0.02	<0.01	
11/20/2002			0.061	0.14	0.028	<0.02
11/21/2002		0.016				
6/6/2003	0.69 (O)	0.032	0.041	0.51 (O)	0.032	0.011
12/12/2003	0.12	0.019	0.012	<0.02	<0.01	
12/17/2003						<0.02
5/26/2004	0.013	<0.02	0.016	0.036	<0.01	<0.02
12/8/2004	<0.05	<0.02				<0.02
12/10/2004			<0.02	0.069	0.012	
6/21/2005	<0.05	<0.02	<0.02	0.076	<0.01	<0.02
12/3/2005	0.014	0.01				
12/4/2005						<0.02
12/5/2005			0.017	<0.02	<0.01	
4/4/2006		<0.02				
6/27/2006	0.01	0.0043	0.11	0.01		<0.02
6/29/2006					0.0071	
8/30/2006		0.017				
12/3/2006	0.0065	0.0053				
12/4/2006			0.086	0.0035	0.0096	<0.02
2/15/2007		0.0045				
6/23/2007	0.0049	0.0043	0.076	0.0032	0.094 (O)	<0.02
9/11/2007		0.004				
9/12/2007			0.076	0.0048		<0.02
9/14/2007	0.0052				0.019	
11/7/2007			0.069	<0.02		<0.02
11/8/2007	0.0026	0.0035			0.051	
12/11/2007	0.0043	0.0048			0.042	
12/12/2007			0.087	0.0079		<0.02
1/17/2008			0.021	<0.02	0.012	<0.02
1/18/2008	0.0046	0.005				
3/11/2008		0.0043				
3/12/2008			0.063			0.0031
3/13/2008	0.0054			0.0036	0.047	
6/4/2008	0.004	0.004		0.0025		0.0026
6/5/2008			0.028		0.021	
6/23/2008	0.0025	0.0037				
6/24/2008			0.062	<0.02	0.098 (O)	<0.02
7/29/2008	<0.05	0.0028				
7/30/2008			0.025	<0.02	0.015	
7/31/2008						<0.02
11/3/2008		0.0032				
12/4/2008	0.0025	0.0029				
12/5/2008			0.014	<0.02	0.047	<0.02
3/25/2009		0.0055				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.05	0.0028	0.052	<0.02	0.024	<0.02
9/14/2009		0.0027				
12/20/2009	0.0031	0.0029				<0.02
12/21/2009			0.046	<0.02	0.049	
3/4/2010		0.0042				
6/20/2010	<0.05	0.0027		<0.02	0.045	<0.02
6/21/2010			0.045			
9/14/2010		<0.02				
1/6/2011				<0.02		<0.02
1/7/2011	<0.05	0.0032	0.024		0.0044	
4/15/2011		<0.02				
7/7/2011	0.0031	0.005		0.0027	0.003	0.0025
7/8/2011			0.023			
9/25/2011		0.0041				
1/17/2012	0.004	0.0043		0.0039		<0.02
1/18/2012			0.011		0.0048	
4/4/2012		<0.02				
7/9/2012	0.0096			<0.02		<0.02
7/10/2012		0.0028	0.024		<0.01	
10/9/2012		0.0033				
1/17/2013				<0.02		<0.02
1/18/2013	0.051	0.0038	0.011		0.0028	
4/5/2013		0.0026				
7/16/2013				0.0032		<0.02
7/17/2013	0.042	<0.02	0.0029		<0.01	
10/11/2013		0.0046				
1/13/2014	0.062			0.0029		0.0025
1/14/2014		0.0043	0.012		0.0034	
4/3/2014		0.0029				
7/9/2014	0.064	0.002 (J)	0.0051	0.00076 (J)	0.00093 (J)	<0.02
10/24/2014		0.0031				
1/12/2015			0.0023 (J)			
1/13/2015	0.066			0.0036		0.0025
1/14/2015		0.003			0.0023 (J)	
5/10/2015		0.0028				
7/16/2015	0.036		0.0021 (J)	<0.02		<0.02
7/17/2015		0.0018 (J)			<0.01	
10/6/2015		0.0018 (J)				
1/17/2016						<0.02
1/18/2016	0.035	0.0028	0.0092	<0.02	0.0029	
4/26/2016		<0.02				
7/27/2016	0.0529			0.0015 (J)		<0.02
7/28/2016		0.0018 (J)			<0.01	
7/29/2016			0.003 (J)			
10/24/2016		0.0024 (J)				
10/25/2016	0.0035 (J)					
1/3/2017		0.0035 (J)		<0.02		
1/4/2017						<0.02
1/5/2017					<0.01	
1/6/2017	0.0235		0.0104			
4/3/2017		0.0041 (J)				
4/4/2017			0.0132			<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
4/6/2017	0.0829			0.0023 (J)	0.0032 (J)	
7/11/2017		0.0029 (J)				
7/12/2017			0.0046 (J)	<0.02	0.002 (J)	<0.02
7/13/2017	0.0853					
10/2/2017		0.0026 (J)				
10/4/2017	0.0263					
1/9/2018	0.0665	0.0035 (J)			0.0036 (J)	
1/10/2018				0.0022 (J)		0.0014 (J)
1/11/2018			0.0095 (J)			
7/9/2018		0.0022 (J)				
7/10/2018				<0.02	0.0055 (J)	0.0021 (J)
7/11/2018	0.02 (J)		0.0028 (J)			
1/16/2019	0.014 (J)	0.0037 (J)	0.0052 (J)	<0.02	<0.01	<0.02
3/25/2019	<0.05 (O)	<0.02	0.0078 (J)			
3/26/2019				<0.02	<0.01	<0.02
10/7/2019		0.0077 (J)				
10/8/2019	0.095					
10/9/2019			0.0064 (J)	0.0081 (J)	0.016 (J)	0.0057 (J)
4/6/2020	<0.05	<0.02				
4/7/2020			<0.02	<0.02	<0.01	<0.02
9/28/2020	0.16	0.0092 (J)				0.0092 (J)
9/30/2020				<0.02	<0.01	
10/1/2020			0.0064 (J)			
3/10/2021			<0.02	<0.02	<0.01	<0.02
3/11/2021	0.054					
3/12/2021		0.0028 (J)				
9/21/2021	<0.05	<0.02	<0.02	<0.02	<0.01	
9/23/2021						<0.02
1/31/2022	<0.05	<0.02				
2/2/2022			<0.02		<0.01	
2/3/2022				<0.02		<0.02
8/30/2022	0.011 (J)	<0.02	<0.02	<0.02	0.0132 (J)	
9/1/2022						0.00578 (J)
1/31/2023	0.00457 (J)	<0.02				
2/1/2023				<0.02	0.0121 (J)	
2/2/2023			<0.02			<0.02
8/28/2023	0.00851 (J)	<0.02				
8/29/2023			<0.02	<0.02	0.0406	<0.02
1/23/2024	0.00392 (J)	<0.02			0.0212	<0.02
2/7/2024			0.00455 (J)			
2/8/2024				<0.02		
8/19/2024	0.00727 (J)					
8/20/2024			0.00972 (J)		0.0355	0.00917 (J)
8/21/2024		0.0123 (J)		<0.02		
1/27/2025		0.00538 (J)				
1/28/2025	0.00891 (J)		0.00735 (J)		0.0206	
1/29/2025				<0.02		0.00514 (J)
7/28/2025	0.00395 (J)	<0.02	<0.02			
7/29/2025					0.0152 (J)	<0.02
7/30/2025				<0.02		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.02	<0.02	0.38	<0.0025	<0.02
11/21/2000	0.021	<0.02	<0.02	0.077	<0.0025	<0.02
1/20/2001	<0.02	<0.02	<0.02	0.23	<0.0025	<0.02
3/14/2001	<0.02	<0.02	<0.02	0.24	<0.0025	<0.02
7/16/2001	<0.02	<0.02	<0.02	0.053	<0.0025	<0.02
11/1/2001	<0.02		<0.02	0.022	0.044	<0.02
11/2/2001		<0.02				
4/25/2002	<0.02					<0.02
4/26/2002		<0.02	<0.02	1.2 (O)	<0.0025	
11/21/2002		0.033	<0.02			<0.02
11/22/2002	<0.02			0.045	0.023	
6/6/2003	<0.02					<0.02
6/7/2003		<0.02	<0.02	0.042	<0.0025	
12/12/2003	<0.02	<0.02	0.013	<0.02	<0.0025	<0.02
5/27/2004	<0.02	<0.02	<0.02	<0.02	0.035	<0.02
12/8/2004	<0.02			<0.02		<0.02
12/9/2004		<0.02	0.028		0.018	
6/22/2005		<0.02	<0.02	<0.02	0.014	
6/23/2005	<0.02					<0.02
12/3/2005	0.012					0.011
12/4/2005			<0.02			
12/5/2005		0.032		<0.02	0.023	
4/4/2006						<0.02
6/28/2006			0.0028			
6/29/2006	<0.02	0.018		0.012	0.023	<0.02
8/30/2006						<0.02
12/3/2006		0.0044	0.0028	0.0067	0.046	
12/4/2006	<0.02					<0.02
2/15/2007						<0.02
6/23/2007	<0.02	0.0041	0.0063	0.025	0.036	<0.02
9/11/2007						<0.02
9/12/2007	0.0049					
9/13/2007		<0.02	0.0026	0.0044	0.033	
11/6/2007	<0.02					<0.02
11/7/2007				0.0036	0.012	
11/8/2007		<0.02	<0.02			
12/11/2007		0.0039	<0.02	0.0038	0.011	
12/12/2007	<0.02					<0.02
1/15/2008			<0.02	0.0077	0.019	
1/16/2008	<0.02	<0.02				<0.02
3/11/2008				0.0058	0.0092	<0.02
3/12/2008	0.003	<0.02				
3/13/2008			<0.02			
6/3/2008			0.0026	0.0048	0.028	
6/4/2008		<0.02				
6/5/2008	0.0025					<0.02
6/23/2008		<0.02	<0.02	0.0051	0.0091	
6/24/2008	<0.02					<0.02
7/29/2008		<0.02	0.0031			
7/30/2008				0.0034	0.0065	
7/31/2008	<0.02					<0.02
11/3/2008						<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.02	0.0039	<0.02	<0.02	0.0038	<0.02
3/25/2009						<0.02
7/8/2009	<0.02	<0.02	<0.02	<0.02	<0.0025	<0.02
9/14/2009						<0.02
12/20/2009	<0.02					<0.02
12/21/2009		0.004	<0.02	0.013	0.0032	
3/4/2010						<0.02
6/20/2010	<0.02	<0.02	<0.02	<0.02	<0.0025	<0.02
9/14/2010						<0.02
1/6/2011	<0.02		<0.02		0.004	
1/7/2011		0.0032		0.004		<0.02
4/15/2011						<0.02
7/7/2011	<0.02		<0.02	0.0028	0.0037	<0.02
7/8/2011		0.0025				
9/25/2011						<0.02
1/17/2012	<0.02		0.0043	0.0043	0.0031	<0.02
1/18/2012		0.0045				
4/4/2012						<0.02
7/9/2012	<0.02		<0.02	<0.02	0.003	<0.02
7/10/2012		<0.02				
10/9/2012						<0.02
1/17/2013	<0.02		0.0025	0.0033	<0.0025	
1/18/2013		0.0029				<0.02
4/5/2013						<0.02
7/16/2013			<0.02	0.0028	0.0029	
7/17/2013	<0.02	<0.02				<0.02
10/11/2013						<0.02
1/13/2014	0.0022 (J)		0.0025	0.0051	0.0042	
1/14/2014		0.012				0.0025
4/3/2014						0.0014 (J)
7/8/2014			0.0011 (J)	0.002 (J)	0.0018 (J)	
7/9/2014	0.00058 (J)	0.0016 (J)				0.00086 (J)
10/24/2014						0.00083 (J)
1/13/2015	0.0024 (J)		0.0021 (J)	0.0079	0.0028	
1/14/2015		0.0024 (J)				<0.02
5/10/2015						<0.02
7/16/2015	<0.02		<0.02	0.0026	0.0018 (J)	
7/17/2015		0.0031				<0.02
10/6/2015						<0.02
1/17/2016	<0.02					<0.02
1/18/2016		0.0059		0.0025	0.0017 (J)	
1/19/2016			0.0029			
4/26/2016						<0.02
7/26/2016			<0.02		0.0028 (J)	
7/27/2016	0.0018 (J)			0.0021 (J)		<0.02
7/28/2016		0.0019 (J)				
10/25/2016						<0.02
1/4/2017			<0.02	0.0025 (J)		
1/5/2017	<0.02				0.0021 (J)	<0.02
1/6/2017		0.0026 (J)				
4/4/2017	0.0015 (J)					<0.02
4/5/2017				0.0026 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017		0.0047 (J)	0.004 (J)		0.0027 (J)	
7/10/2017				0.0023 (J)		
7/11/2017			<0.02			<0.02
7/12/2017		0.003 (J)			0.0043 (J)	
7/13/2017	0.0014 (J)					
10/2/2017						0.0026 (J)
1/9/2018						0.0018 (J)
1/10/2018	<0.02				0.0021 (J)	
1/11/2018		0.0046 (J)	0.0018 (J)	0.0031 (J)		
7/9/2018						<0.02
7/10/2018	<0.02					
7/11/2018		0.0033 (J)	<0.02	0.0036 (J)	0.0039 (J)	
1/16/2019					0.047	<0.02
1/17/2019			<0.02	0.0032 (J)		
1/18/2019		0.0025 (J)				
1/21/2019	<0.02					
3/26/2019					0.03	<0.02
3/27/2019		0.0026 (J)	<0.02	0.0031 (J)		
7/30/2019	0.0067 (J)					
10/8/2019			0.0061 (J)		0.053	0.0052 (J)
10/9/2019	0.005 (J)	0.0054 (J)		0.0057 (J)		
4/7/2020			<0.02	<0.02		<0.02
4/8/2020	<0.02	<0.02			0.023	
9/28/2020					0.016	
9/29/2020	0.056		0.0031 (J)	0.0074 (J)		<0.02
10/1/2020		0.025				
3/10/2021		<0.02	<0.02	<0.02		
3/15/2021	<0.02				0.039	
3/16/2021						<0.02
9/21/2021			<0.02	<0.02	0.036	
9/22/2021	<0.02	<0.02				0.01
2/2/2022	<0.02	<0.02				<0.02
2/3/2022			<0.02	<0.02	0.037	
8/30/2022				0.0262		<0.02
8/31/2022			<0.02		0.0266	
9/1/2022	0.0125 (J)	0.0163 (J)				
2/1/2023		<0.02	<0.02	0.00334 (J)	0.025	
2/2/2023	<0.02					<0.02
8/29/2023	<0.02	<0.02			0.0194 (J)	
9/6/2023			0.00479 (J)	<0.02		<0.02
1/24/2024		<0.02	<0.02			
1/25/2024	<0.02			<0.02	0.0195 (J)	<0.02
8/21/2024	<0.02	0.0137 (J)	0.0392	0.00744 (J)	0.0168 (J)	<0.02
1/28/2025			<0.02			
1/29/2025	<0.02	<0.02		<0.02	0.0186 (J)	<0.02
7/29/2025			<0.02			
7/30/2025	<0.02	<0.02		<0.02	0.0151 (J)	<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.02	<0.02	<0.01			
11/21/2000	<0.02	<0.02	<0.01			
1/20/2001	<0.02	<0.02	<0.01			
3/14/2001	<0.02	<0.02	<0.01			
7/16/2001	<0.02	<0.02	<0.01			
11/1/2001	<0.02	<0.02	<0.01			
4/25/2002	<0.02	<0.02	<0.01			
11/21/2002	<0.02	<0.02	0.014			
6/6/2003	<0.02	0.035	0.012			
12/12/2003	<0.02	<0.02	<0.01			
5/26/2004	<0.02	<0.02				
5/27/2004			<0.01			
12/8/2004	<0.02	<0.02	<0.01			
6/21/2005		<0.02				
6/23/2005	<0.02		<0.01			
12/3/2005	0.064 (O)					
12/4/2005		<0.02				
12/5/2005			<0.01			
4/4/2006		<0.02				
6/29/2006	0.011	0.077 (O)	0.0046			
8/30/2006		0.0027				
12/4/2006	0.0033	<0.02	0.0071			
2/15/2007		0.0032				
6/23/2007	0.0029	0.0058	0.005			
9/11/2007		0.0033				
9/12/2007	0.0028		0.0051			
11/6/2007	<0.02	<0.02	0.003			
12/12/2007	<0.02	<0.02	0.0033			
1/16/2008	<0.02	<0.02	0.0027			
3/11/2008		<0.02				
3/12/2008	<0.02					
3/13/2008			0.0056			
6/4/2008			0.0036			
6/5/2008	<0.02	0.003				
6/24/2008	<0.02	<0.02	0.0037			
7/31/2008	<0.02	<0.02	0.0037			
11/3/2008		0.0025				
12/5/2008	<0.02	<0.02	0.0027			
3/25/2009		0.0025				
7/8/2009	<0.02	<0.02	0.0048			
9/14/2009		<0.02				
12/20/2009	<0.02	<0.02				
12/21/2009			0.0032			
3/4/2010		<0.02				
6/20/2010	<0.02					
6/21/2010		<0.02	0.0028	<0.02	0.04	<0.02
9/14/2010		<0.02				
1/7/2011	<0.02	<0.02	0.003	<0.02	<0.02	0.019
4/15/2011		<0.02				
7/7/2011	<0.02	<0.02				
7/8/2011			0.0034	0.086	0.0044	0.1 (O)
9/25/2011		0.0028				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.02					
1/18/2012		0.0029	0.0049	<0.02	<0.02	0.0051
4/4/2012		<0.02				
7/9/2012	<0.02					
7/10/2012		<0.02	0.0039	<0.02	<0.02	0.01
10/9/2012		0.0027				
1/18/2013	<0.02	<0.02	0.0043	0.0032	<0.02	0.0036
4/5/2013		<0.02				
7/17/2013	<0.02	<0.02	0.0035	<0.02	<0.02	0.0025
10/11/2013		<0.02				
1/13/2014	0.0031					
1/14/2014		0.016	0.0066	0.0018 (J)	0.0022 (J)	0.0037
4/3/2014		0.0015 (J)				
7/9/2014	<0.02	0.0012 (J)	0.0033		0.00084 (J)	
7/10/2014				<0.02		0.024
10/24/2014		0.0013 (J)				
1/12/2015				<0.02		
1/13/2015	<0.02					
1/14/2015		0.0017 (J)	0.0067		0.0018 (J)	0.0016 (J)
5/11/2015		0.0015 (J)				
7/16/2015	<0.02	<0.02				
7/17/2015					<0.02	
7/18/2015			<0.01	<0.02		0.014
10/6/2015		<0.02				
1/17/2016	<0.02	<0.02		<0.02	<0.02	
1/18/2016			0.012			<0.02
4/26/2016		<0.02				
7/27/2016	<0.02					
7/28/2016		<0.02		<0.02	<0.02	
7/29/2016			0.0086 (J)			0.0129
10/25/2016	<0.02	<0.02		<0.02		
1/4/2017		0.0025 (J)		<0.02	<0.02	0.006 (J)
1/5/2017	<0.02		0.016			
4/3/2017	<0.02					
4/4/2017				<0.02	0.0015 (J)	
4/5/2017		0.0025 (J)	0.0175			
4/6/2017						0.0031 (J)
7/11/2017	<0.02			<0.02		0.0029 (J)
7/12/2017		0.002 (J)				
7/13/2017			0.0126		0.002 (J)	
10/2/2017	<0.02			<0.02		
10/3/2017		<0.02				
1/9/2018	<0.02				0.0016 (J)	
1/10/2018		0.0016 (J)		0.0034 (J)		
1/11/2018			0.012			0.0106
7/9/2018				<0.02		
7/10/2018	<0.02	0.0031 (J)			<0.02	
7/11/2018			0.011			0.0057 (J)
1/16/2019			0.0094 (J)			
1/17/2019	<0.02	<0.02			<0.02	
1/18/2019						0.0024 (J)
1/21/2019				<0.02		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
3/25/2019				<0.02		
3/26/2019	<0.02	<0.02	0.0057 (J)		<0.02	
3/27/2019						<0.02
10/8/2019	0.0051 (J)	0.01			0.0071 (J)	
10/9/2019			0.011	0.0049 (J)		0.0079 (J)
4/7/2020	<0.02	<0.02			<0.02	<0.02
4/8/2020			<0.01	<0.02		
9/30/2020	0.032	0.0051 (J)	0.0043 (J)	0.031	0.0096 (J)	<0.02
3/10/2021						<0.02
3/11/2021			0.0056 (J)			
3/12/2021	<0.02			<0.02		
3/16/2021		<0.02			<0.02	
9/21/2021						<0.02
9/22/2021		<0.02	<0.01	<0.02	<0.02	
9/23/2021	<0.02					
2/1/2022		<0.02	0.011	<0.02	<0.02	
2/3/2022	<0.02					<0.02
8/30/2022				0.0171 (J)	0.00814 (J)	
8/31/2022	0.00395 (J)		0.0068 (J)			<0.02
9/1/2022		0.0119 (J)				
2/1/2023		<0.02	0.00583 (J)	<0.02		
2/2/2023	<0.02				<0.02	<0.02
8/29/2023			0.00535 (J)			0.0054 (J)
9/6/2023		<0.02		<0.02	<0.02	
9/7/2023	<0.02					
1/23/2024						<0.02
1/24/2024	<0.02		0.00654 (J)	<0.02		
1/25/2024		<0.02			<0.02	
8/21/2024	<0.02	<0.02	0.0066 (J)	<0.02		0.0141 (J)
8/22/2024					<0.02	
1/28/2025			0.00759 (J)			<0.02
1/29/2025	<0.02	<0.02		0.00569 (J)	<0.02	
7/29/2025			0.0063 (J)	<0.02		0.0173 (J)
7/30/2025	<0.02	<0.02			<0.02	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:50 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

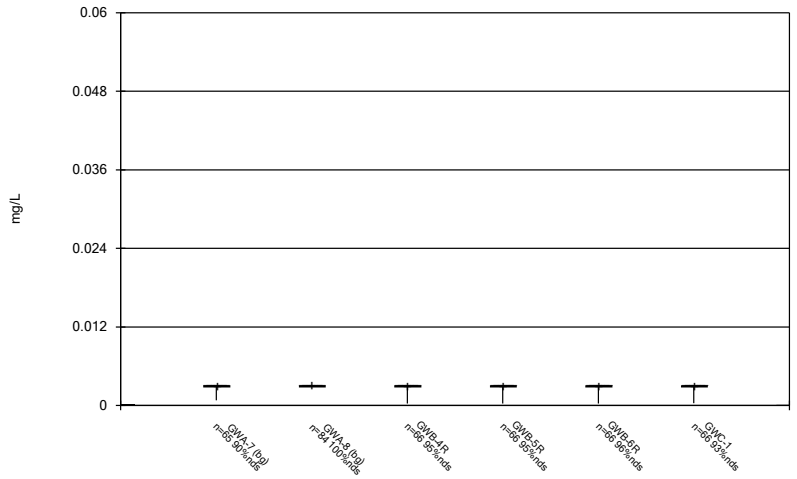
	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	0.0067 (J)	0.0025 (J)	0.0054 (J)	0.008 (J)
9/21/2021				<0.01
9/22/2021	<0.02	<0.02		
9/23/2021			<0.02	
2/1/2022		<0.02		
2/2/2022				<0.01
2/3/2022	<0.02		0.051	
8/31/2022	0.0106 (J)		0.0161 (J)	
9/1/2022		0.0102 (J)		
2/1/2023	0.0121 (J)			
2/2/2023		<0.02	<0.02	
9/6/2023	<0.02	<0.02		
9/7/2023			<0.02	
1/24/2024	<0.02			
1/25/2024		<0.02	0.00738 (J)	0.0401
8/20/2024				0.0261
8/21/2024	<0.02	<0.02	<0.02	
1/28/2025				0.0169 (J)
1/29/2025	0.00452 (J)	<0.02	<0.02	
7/29/2025	0.00389 (J)			0.0166 (J)
7/30/2025		<0.02	0.0132 (J)	

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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Box & Whiskers Plot

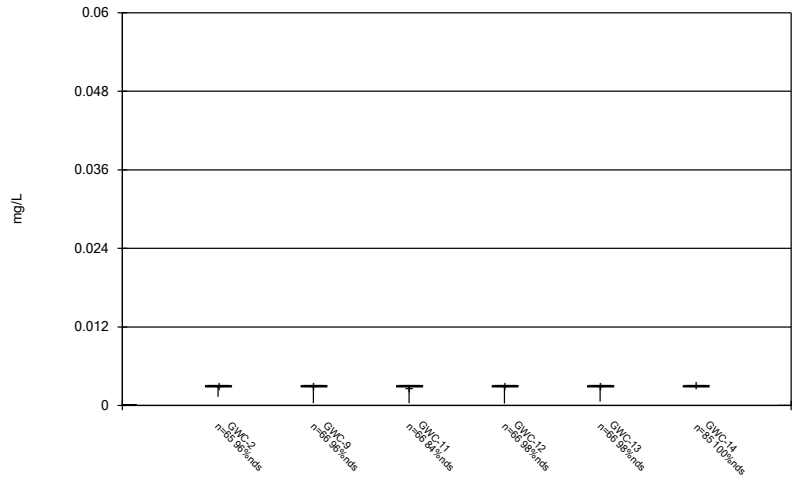


Constituent: Antimony Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

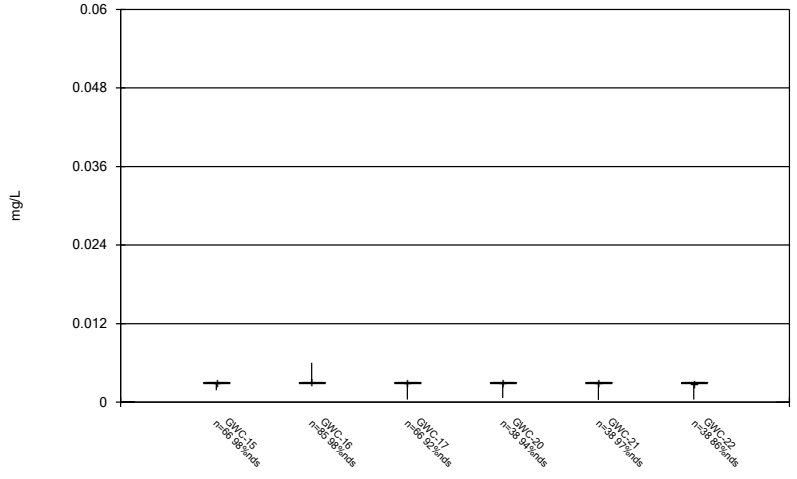


Constituent: Antimony Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

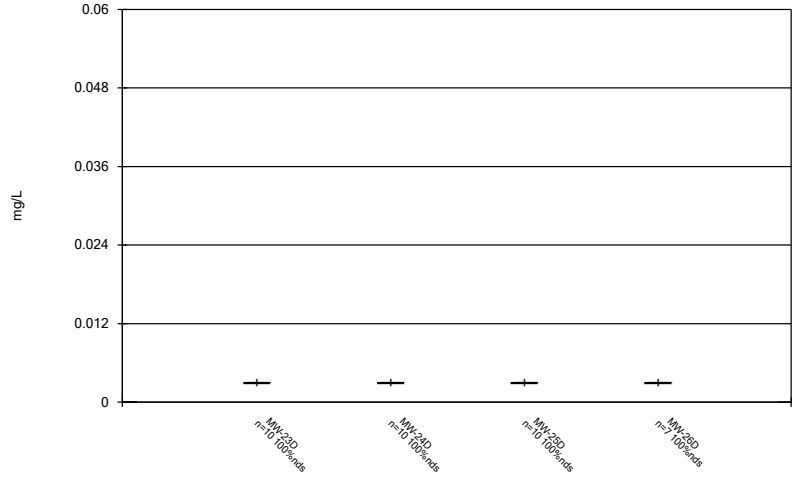


Constituent: Antimony Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

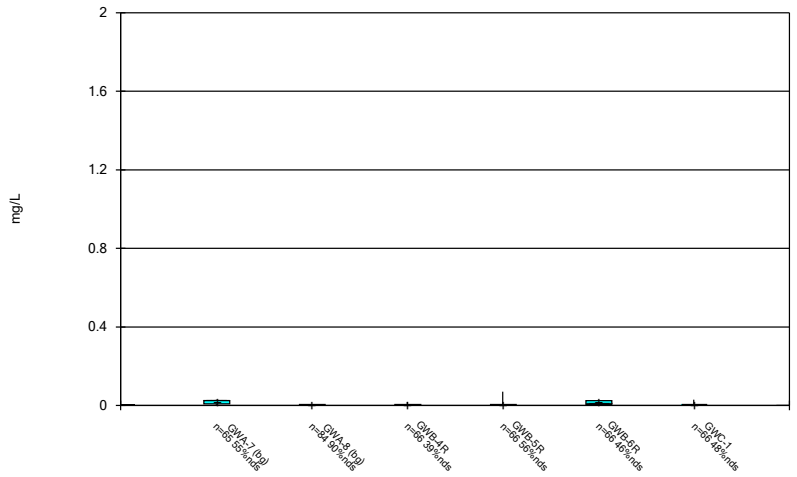


Constituent: Antimony Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

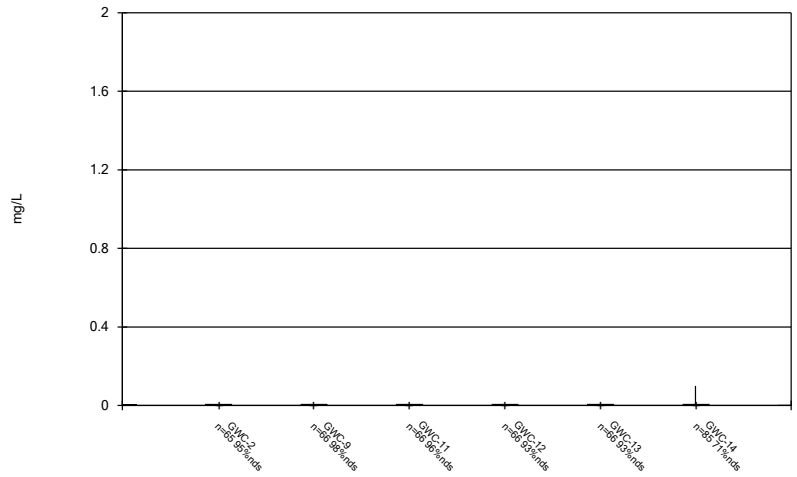


Constituent: Arsenic Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

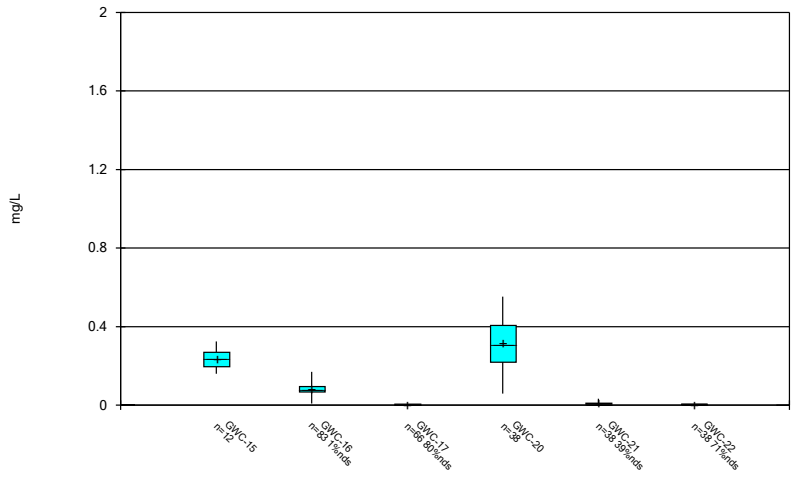


Constituent: Arsenic Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

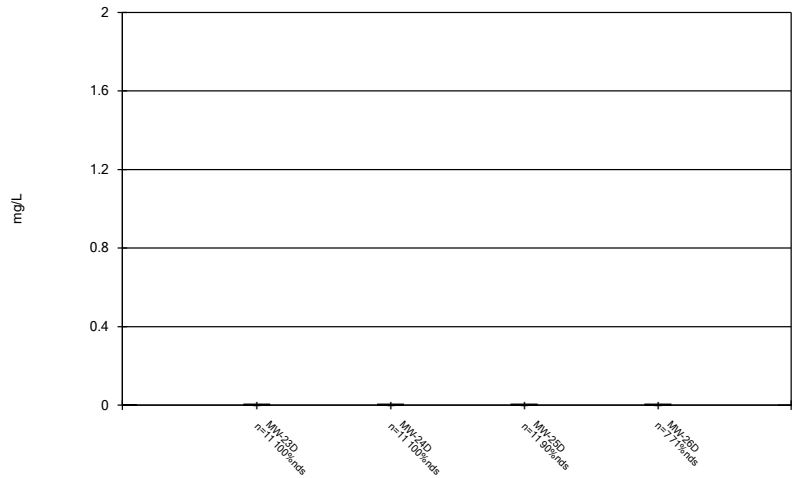


Constituent: Arsenic Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

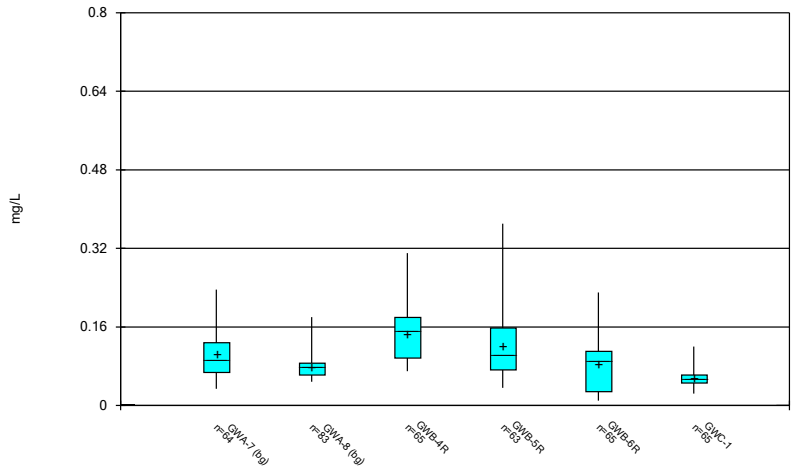


Constituent: Arsenic Analysis Run 10/1/2025 11:53 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

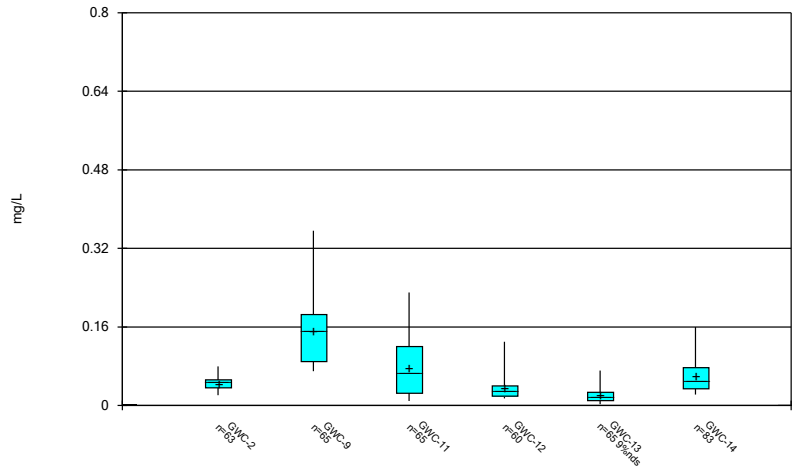


Constituent: Barium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

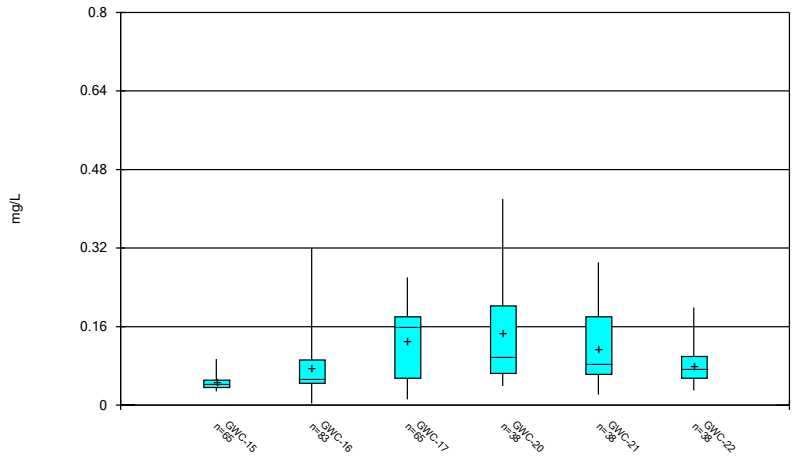


Constituent: Barium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

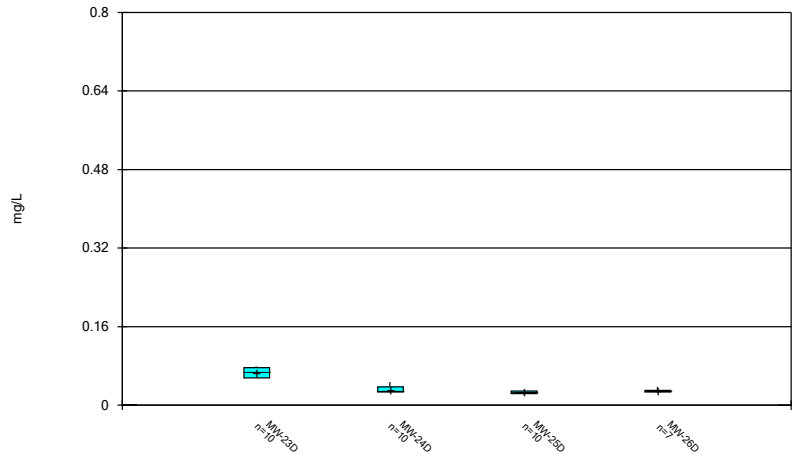


Constituent: Barium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

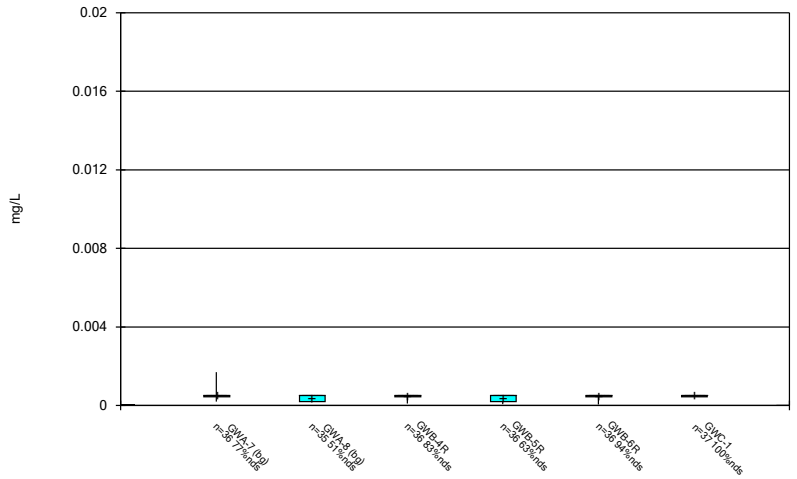


Constituent: Barium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

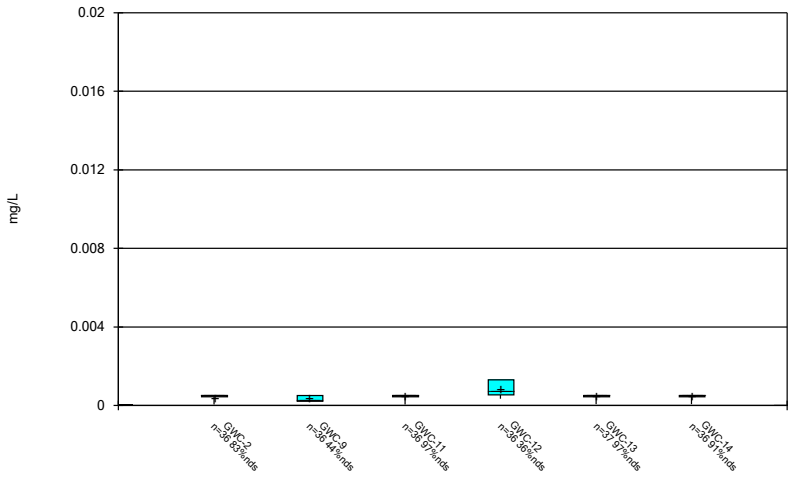


Constituent: Beryllium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

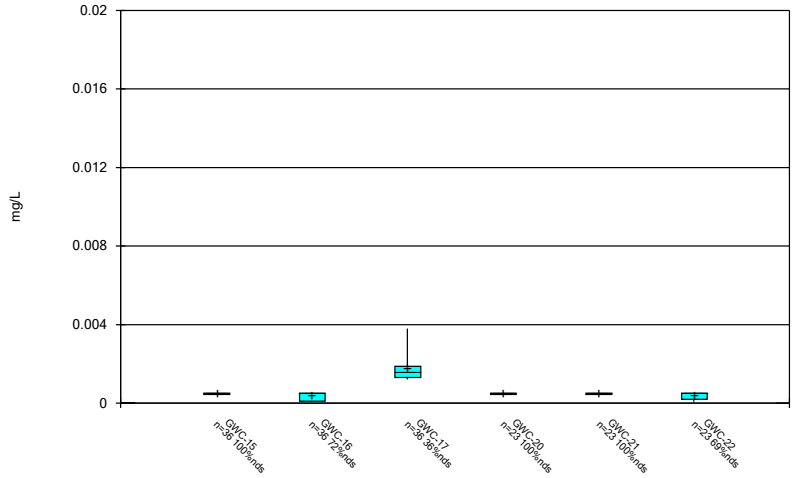


Constituent: Beryllium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

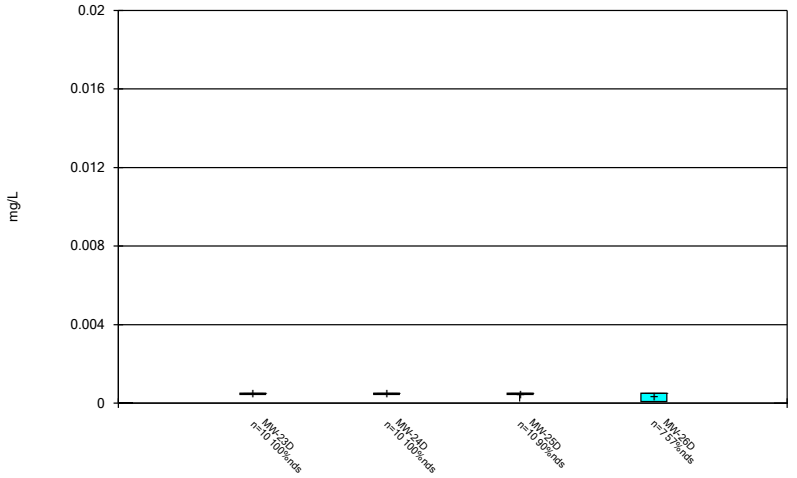


Constituent: Beryllium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

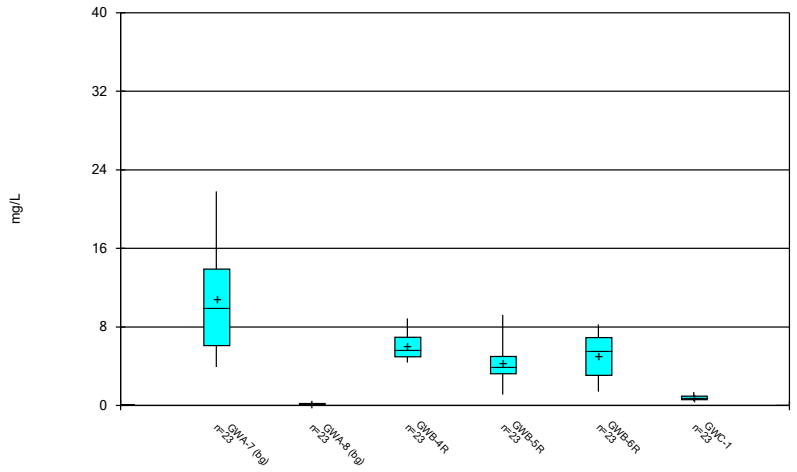


Constituent: Beryllium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

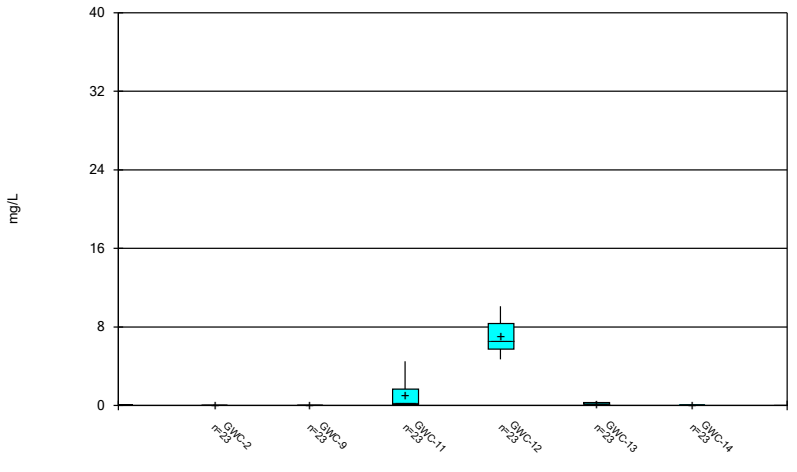


Constituent: Boron Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

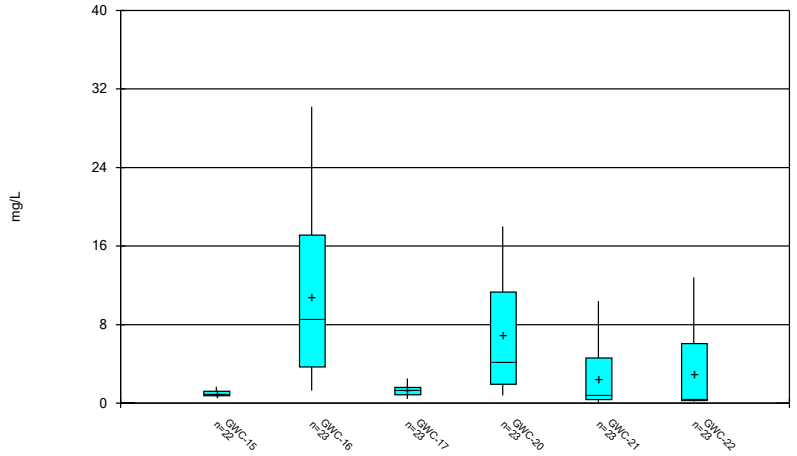


Constituent: Boron Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

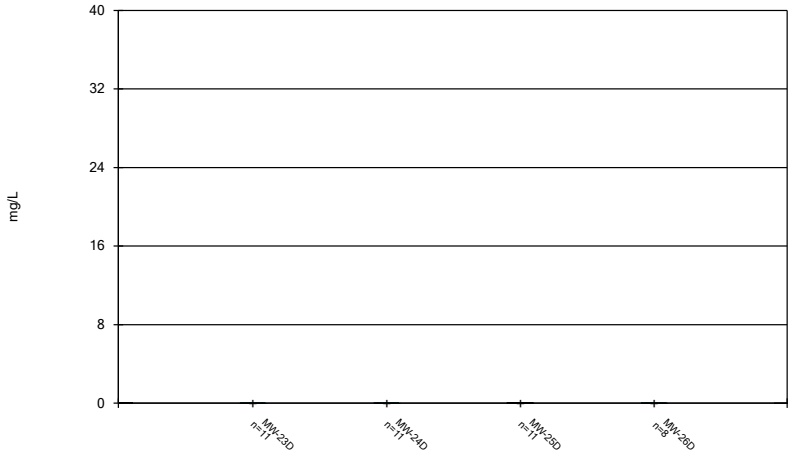


Constituent: Boron Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

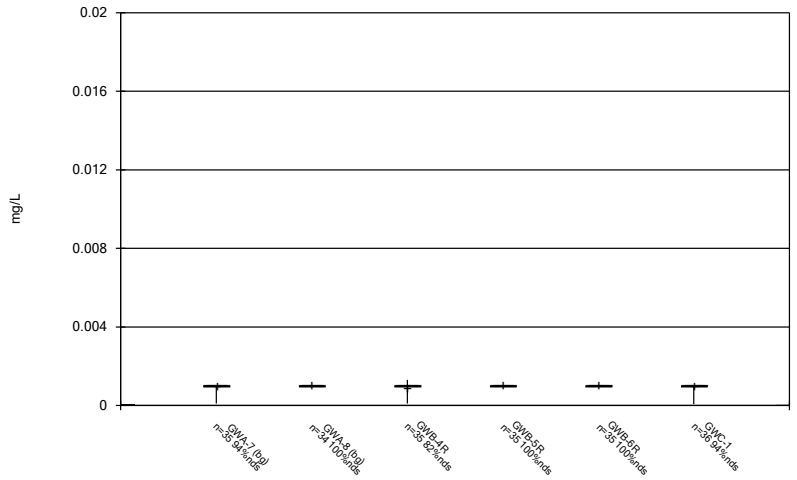


Constituent: Boron Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

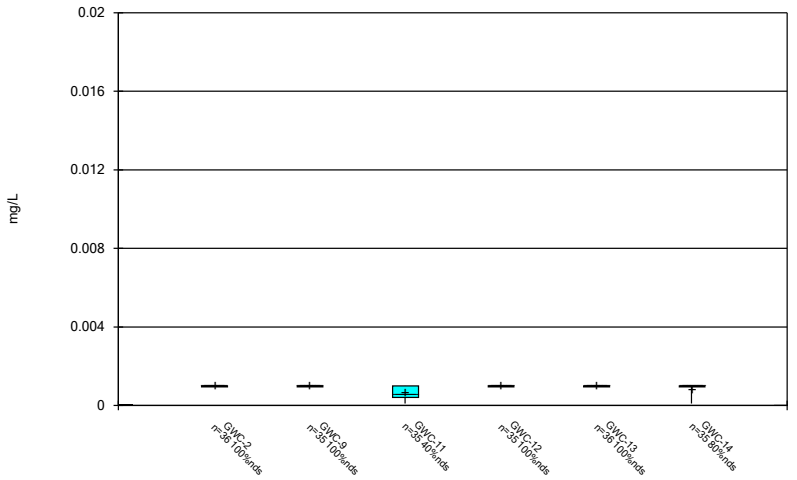


Constituent: Cadmium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

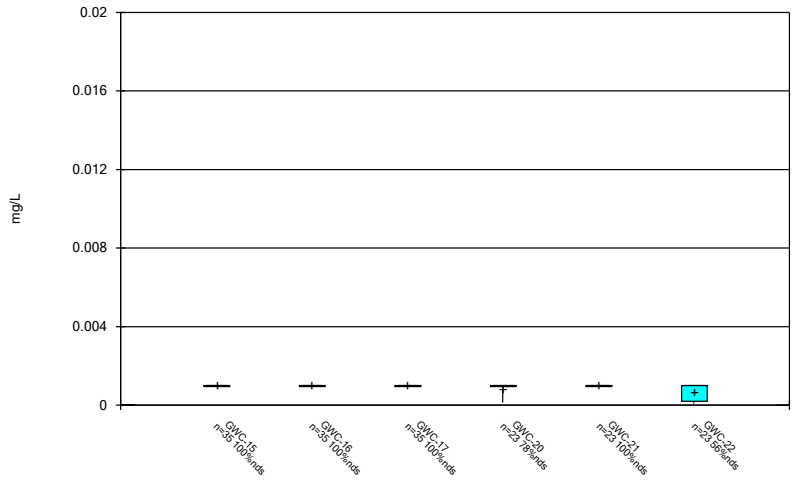


Constituent: Cadmium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

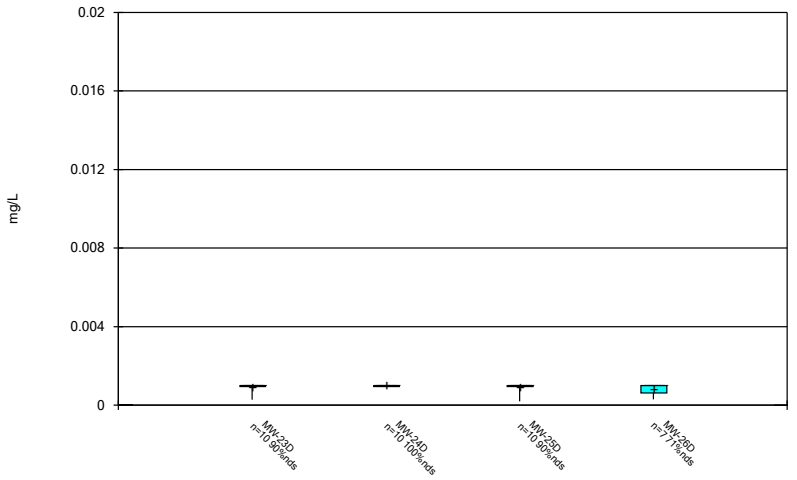


Constituent: Cadmium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

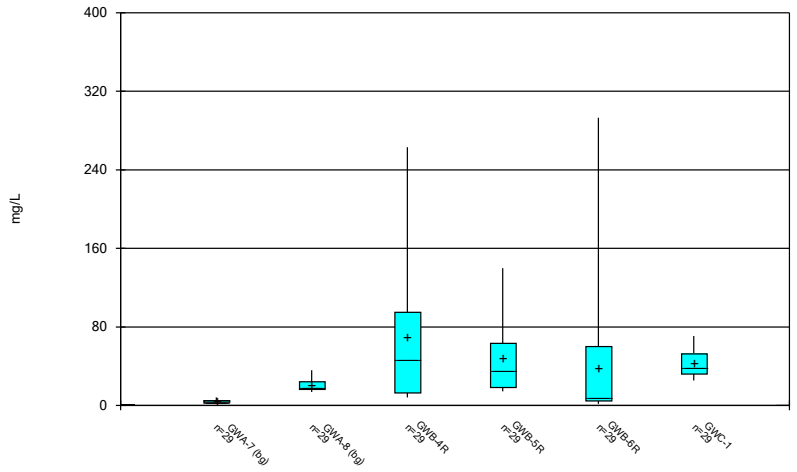


Constituent: Cadmium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

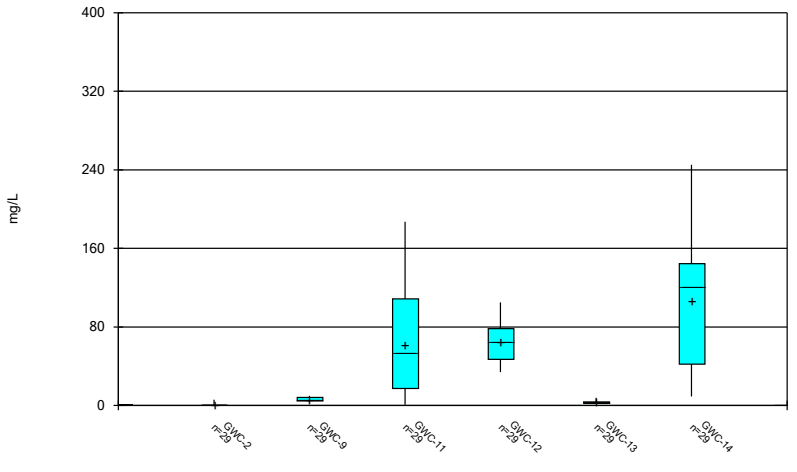


Constituent: Calcium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

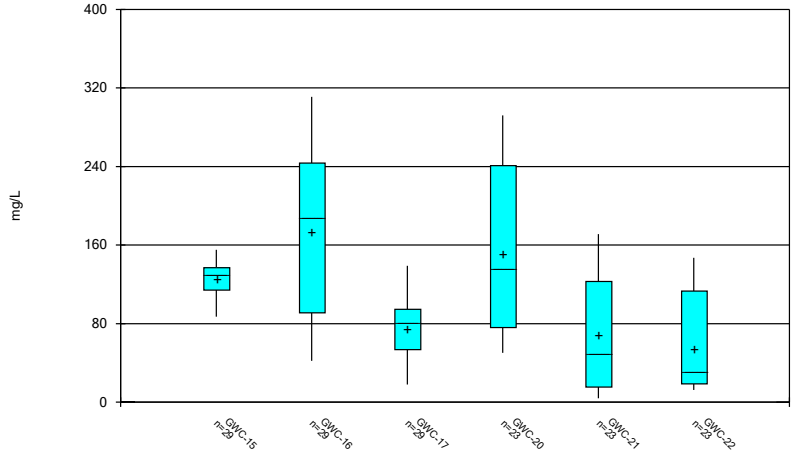


Constituent: Calcium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

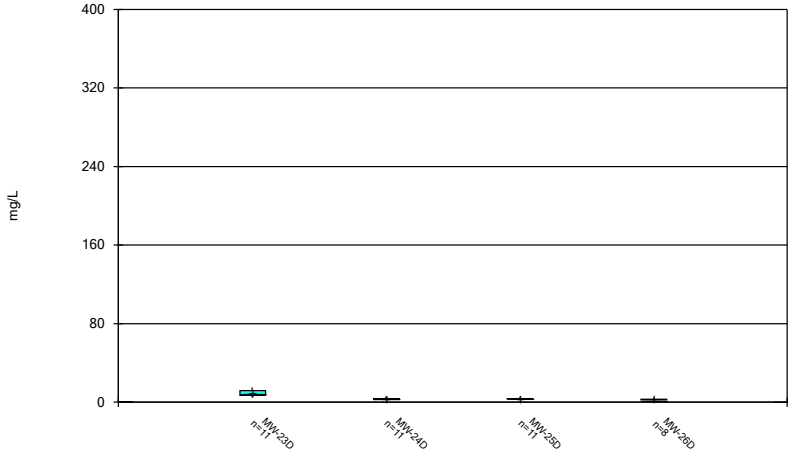


Constituent: Calcium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

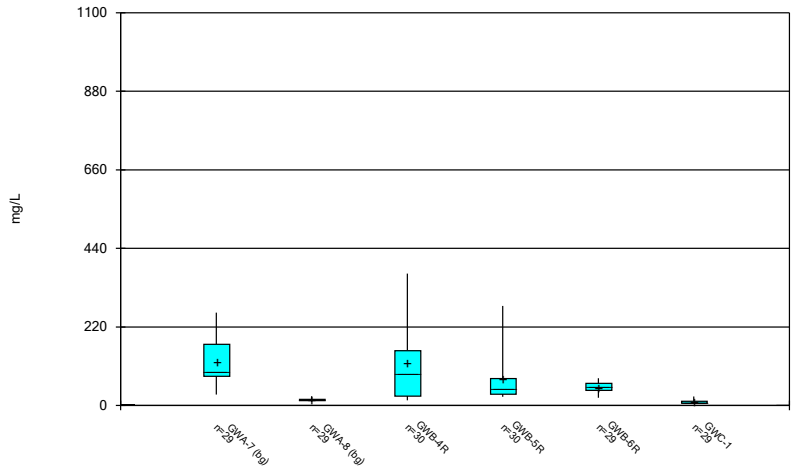


Constituent: Calcium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

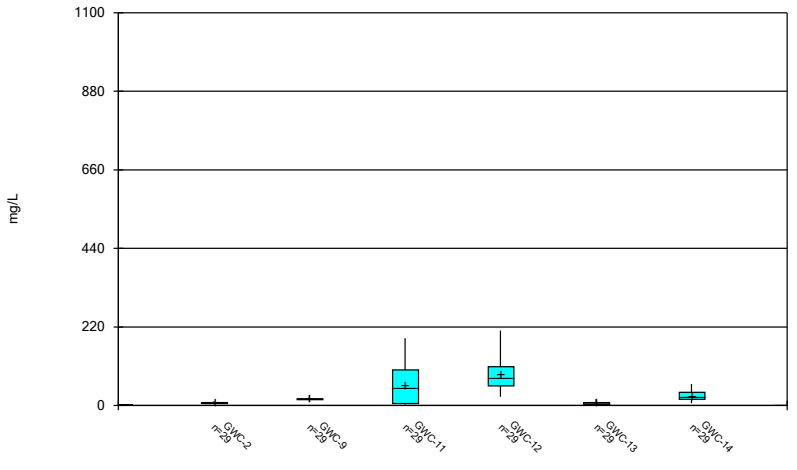


Constituent: Chloride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

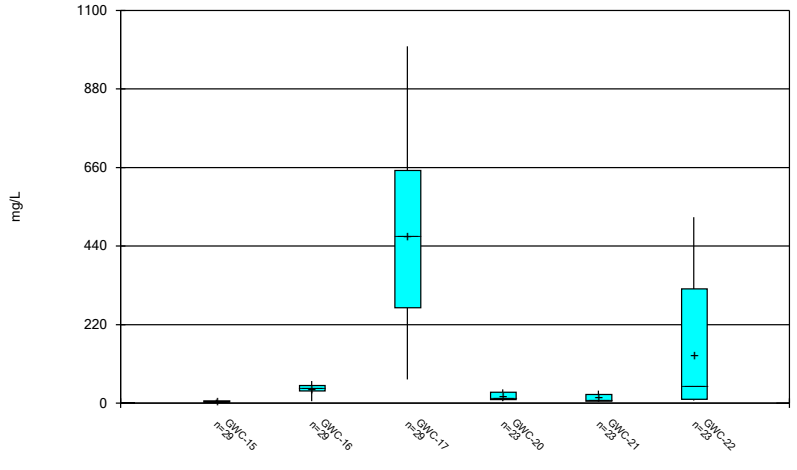


Constituent: Chloride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

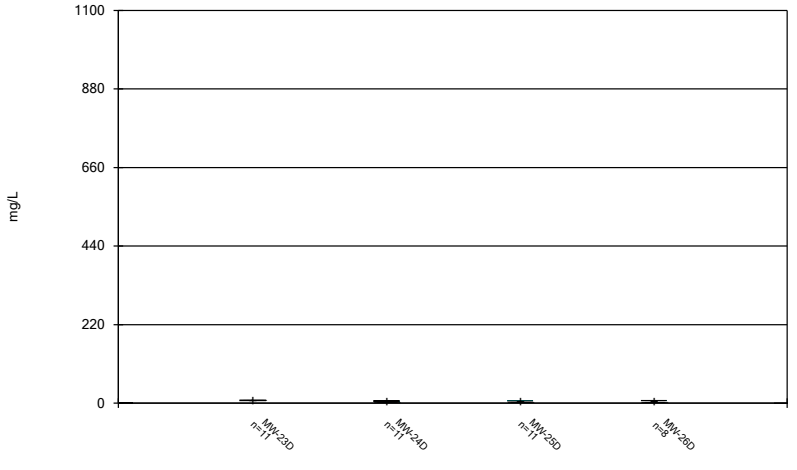


Constituent: Chloride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

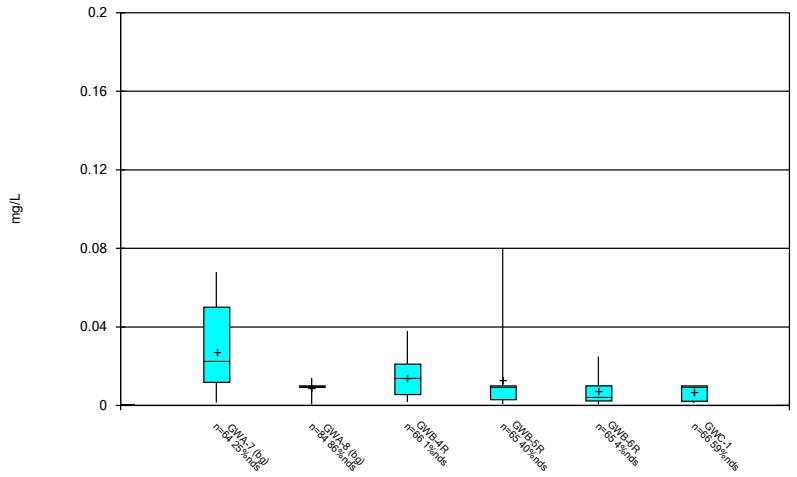


Constituent: Chloride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

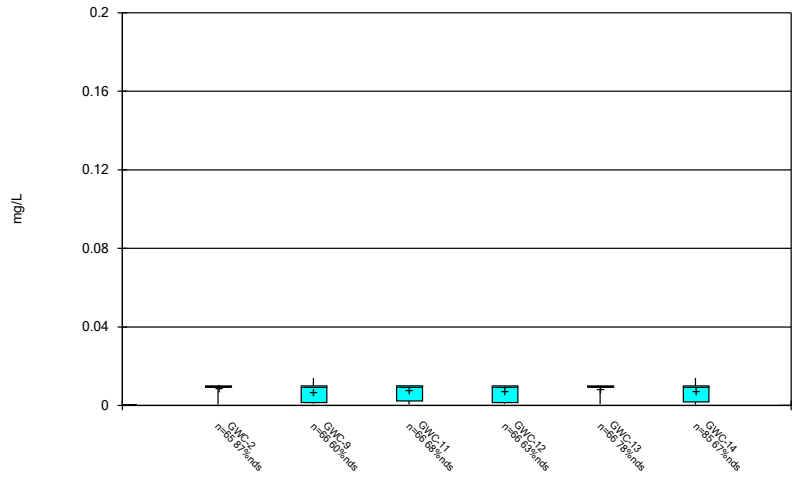


Constituent: Chromium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

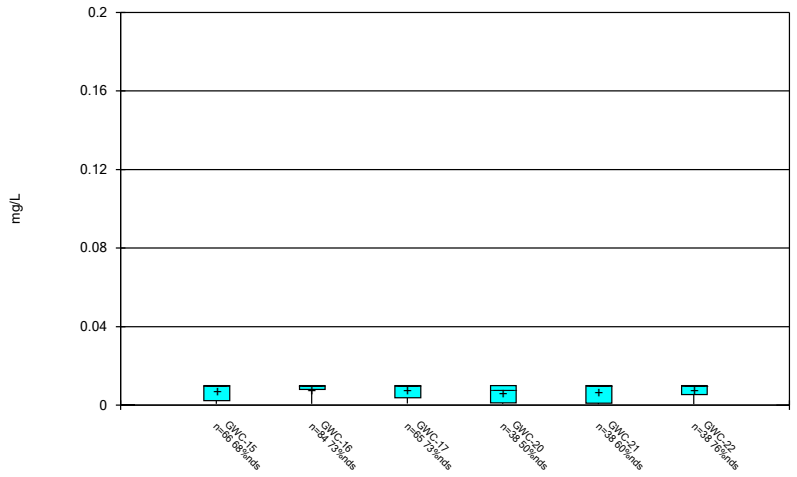


Constituent: Chromium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

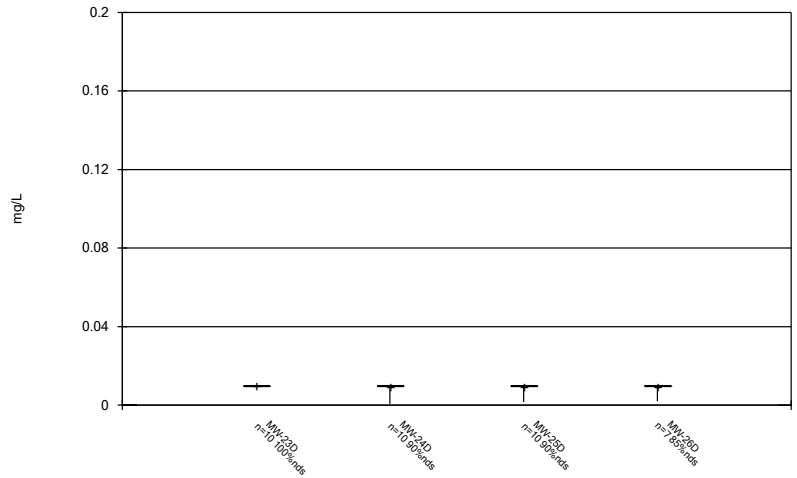


Constituent: Chromium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

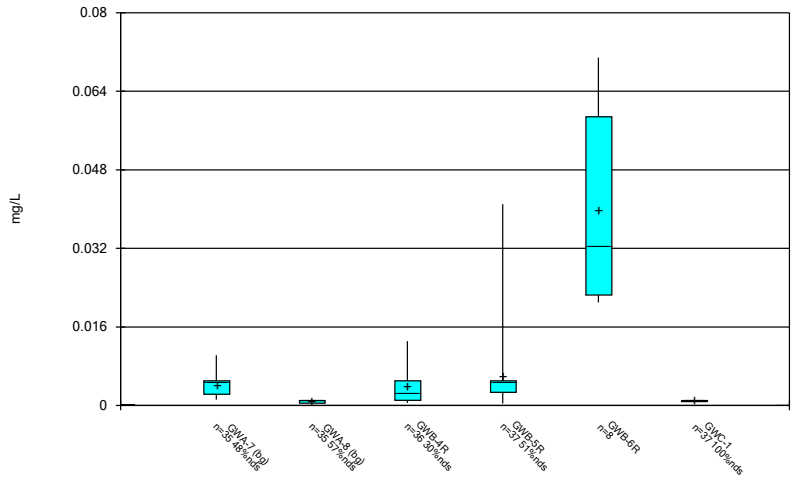


Constituent: Chromium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

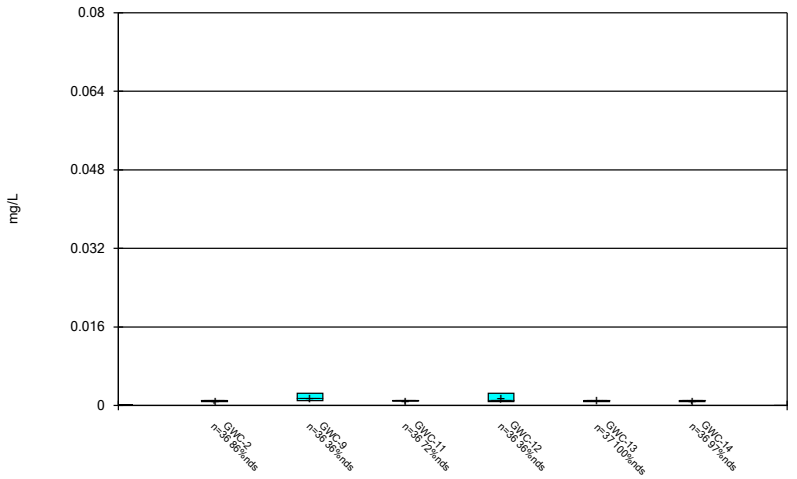


Constituent: Cobalt Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

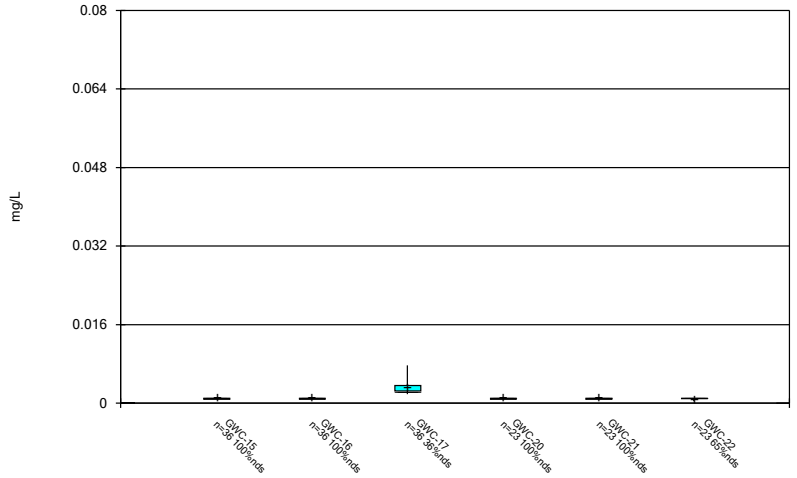


Constituent: Cobalt Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

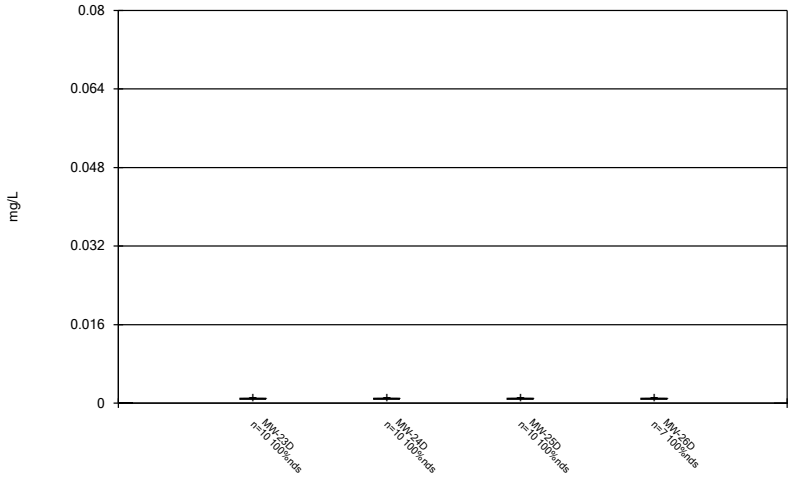


Constituent: Cobalt Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

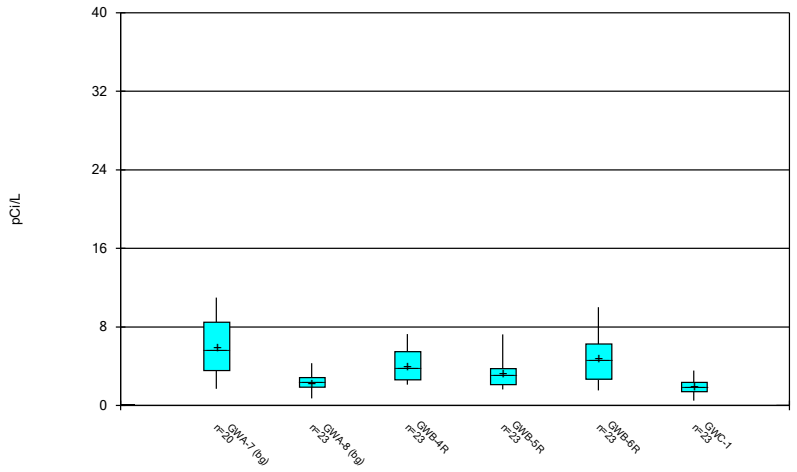


Constituent: Cobalt Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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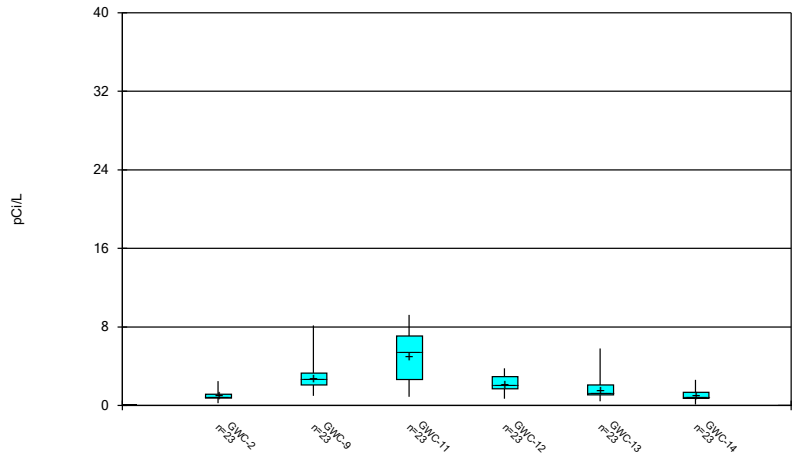
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:54 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

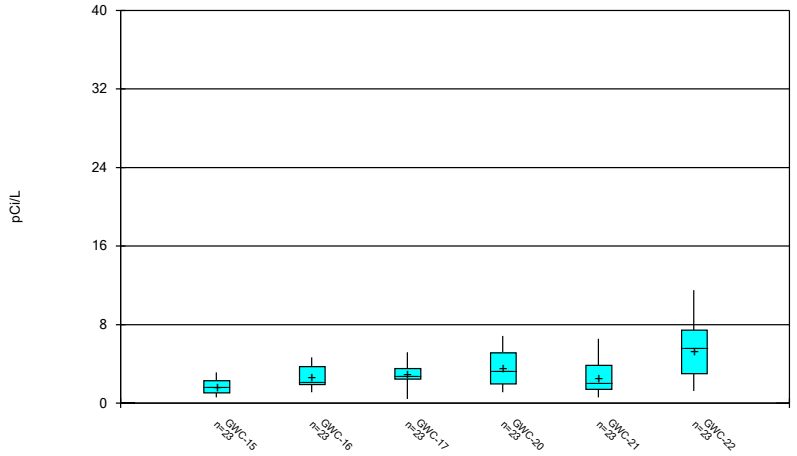
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:54 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

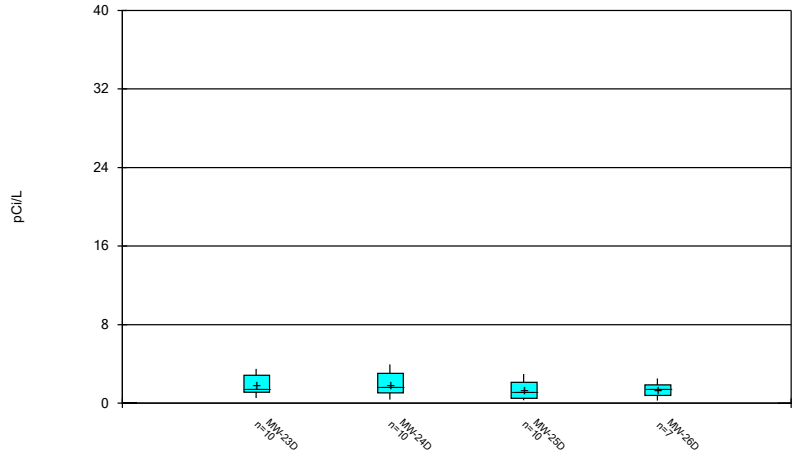
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:54 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

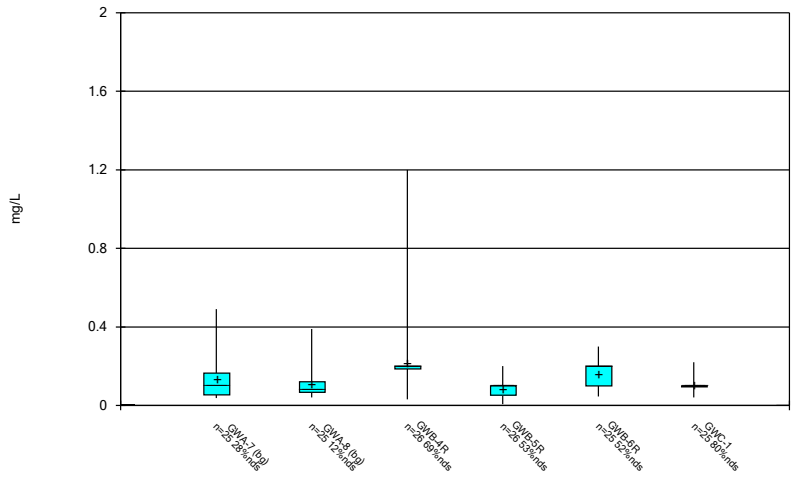
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:54 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

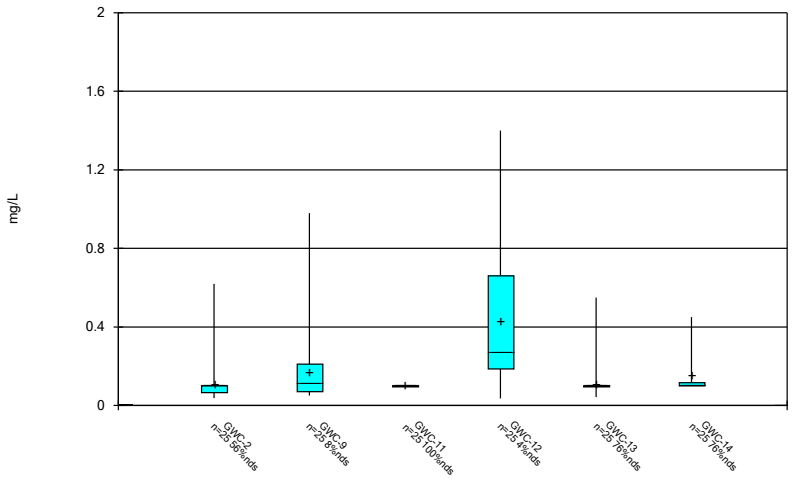


Constituent: Fluoride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

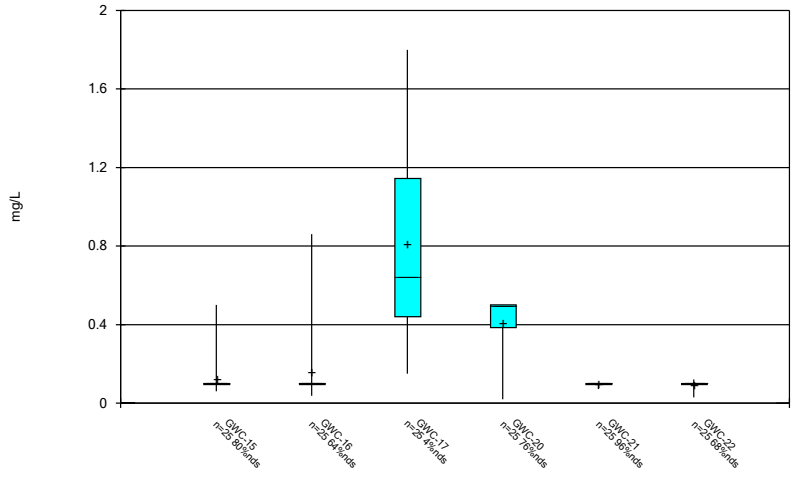


Constituent: Fluoride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

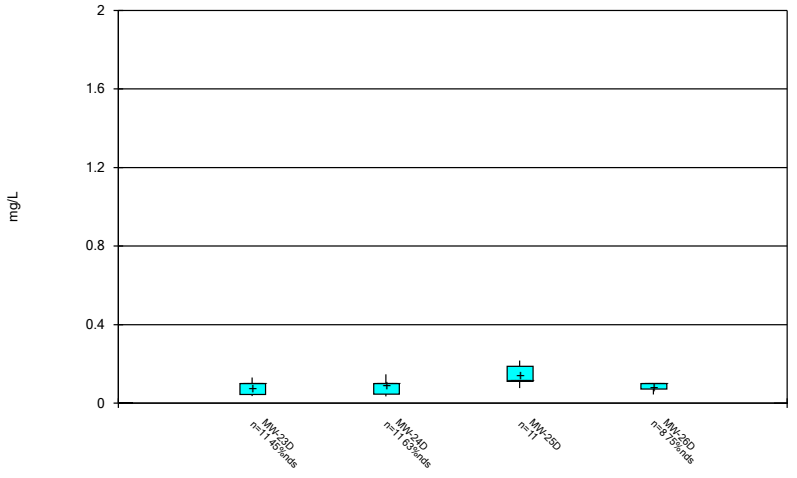


Constituent: Fluoride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

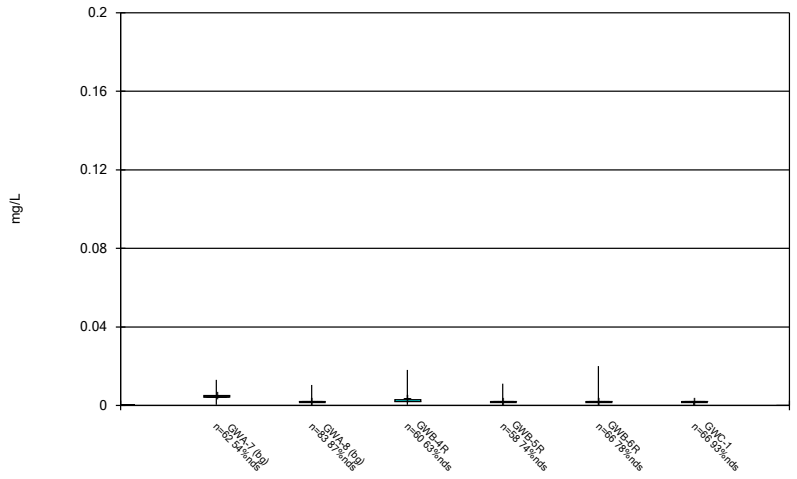


Constituent: Fluoride Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

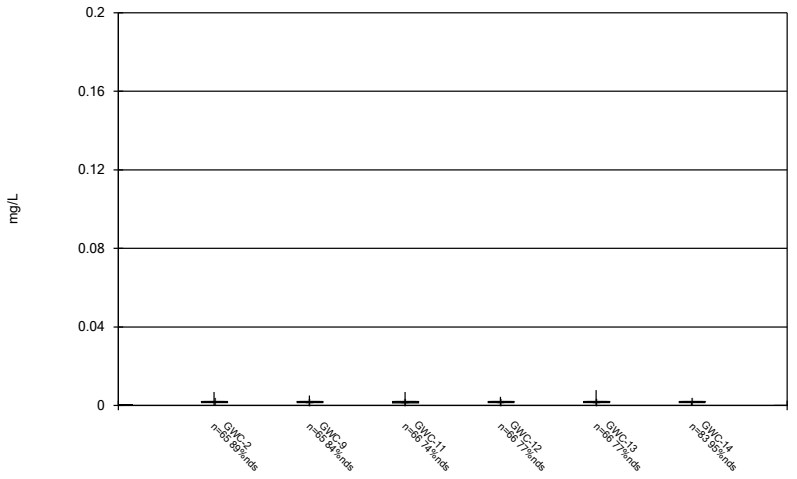


Constituent: Lead Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

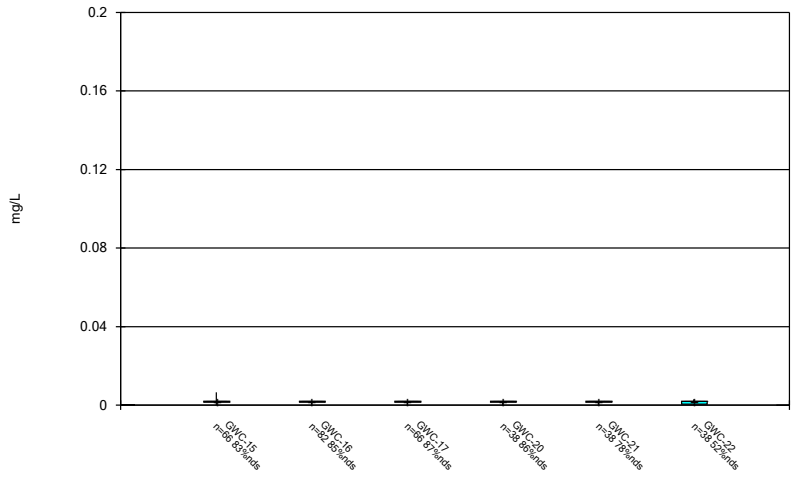


Constituent: Lead Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

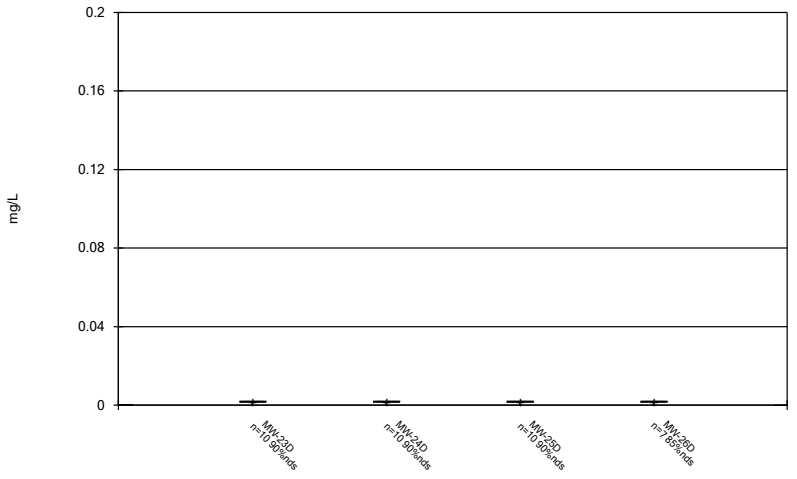


Constituent: Lead Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

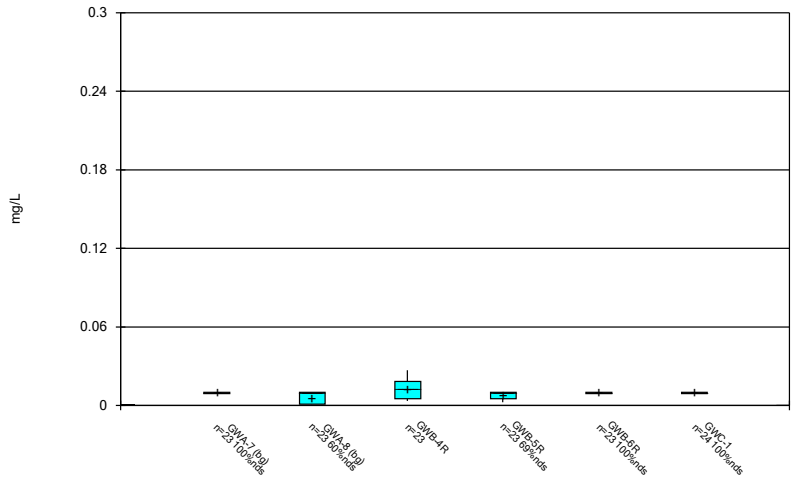


Constituent: Lead Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

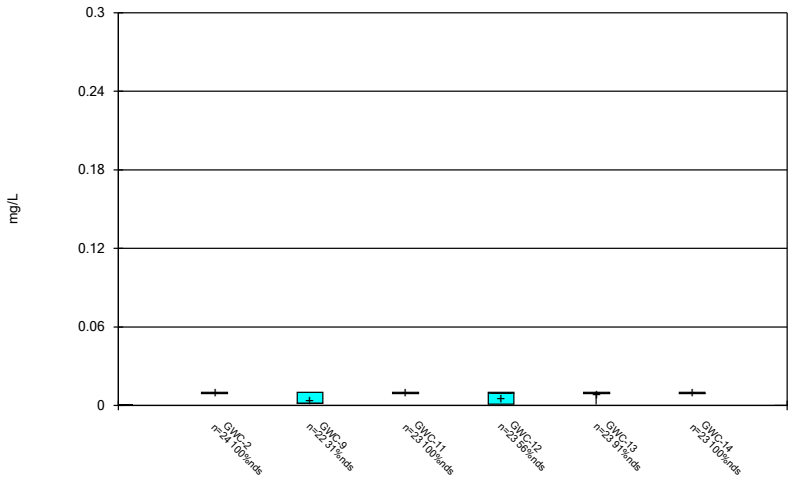


Constituent: Lithium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

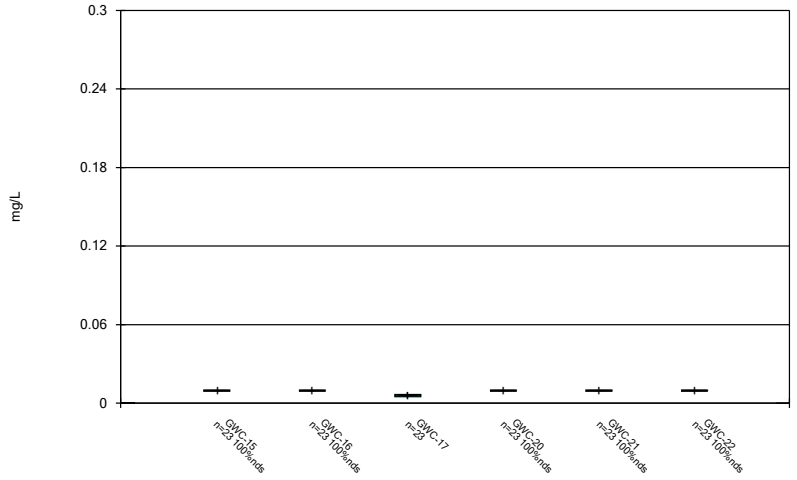


Constituent: Lithium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

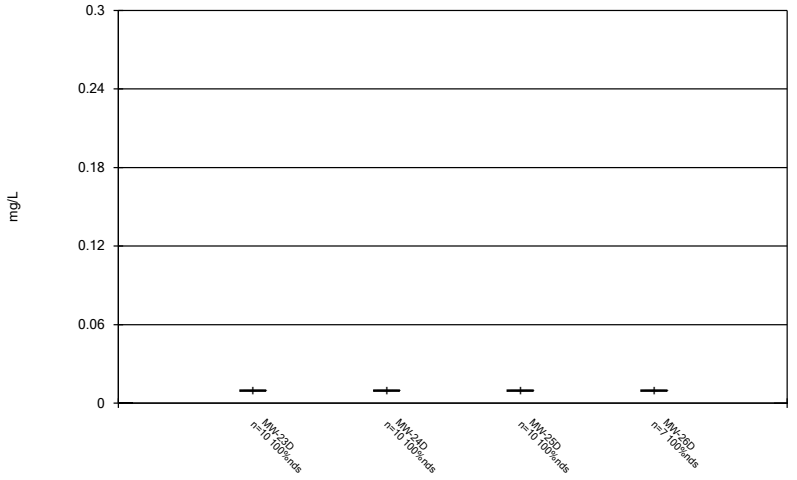


Constituent: Lithium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

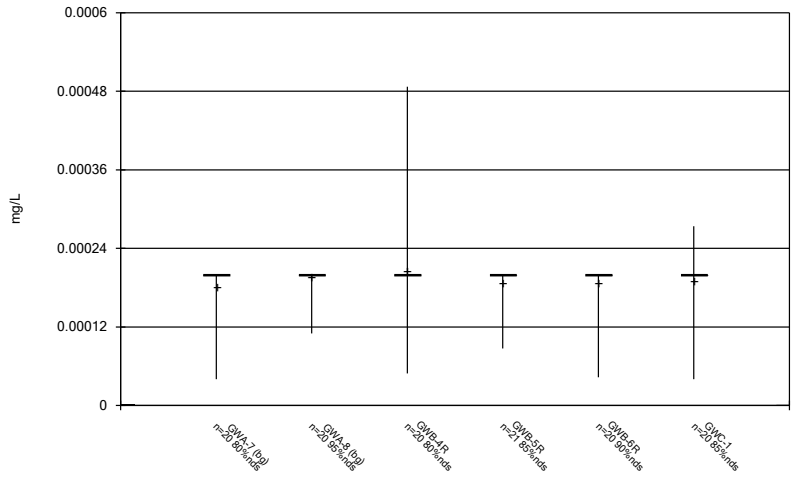


Constituent: Lithium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

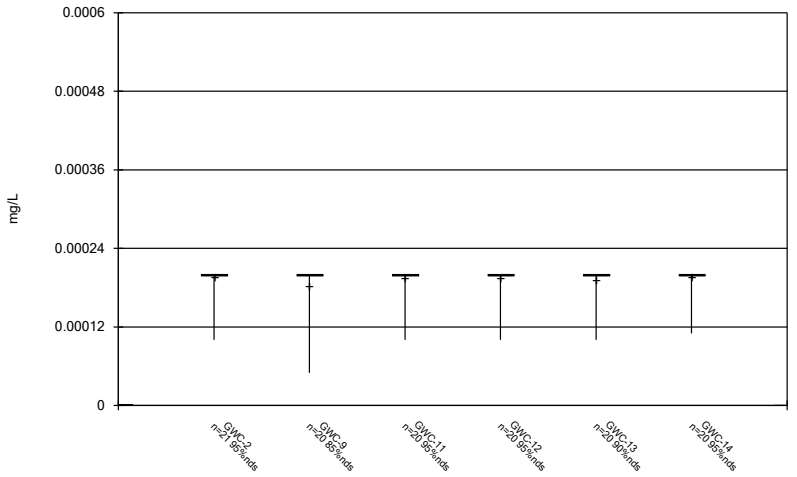


Constituent: Mercury Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

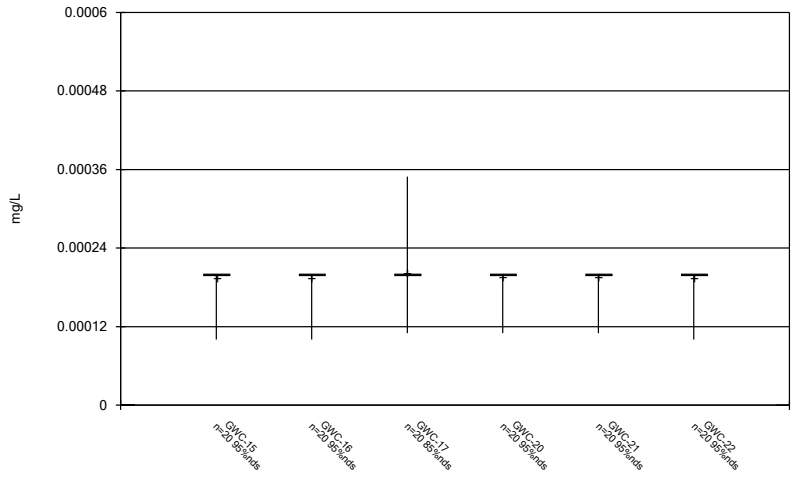


Constituent: Mercury Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

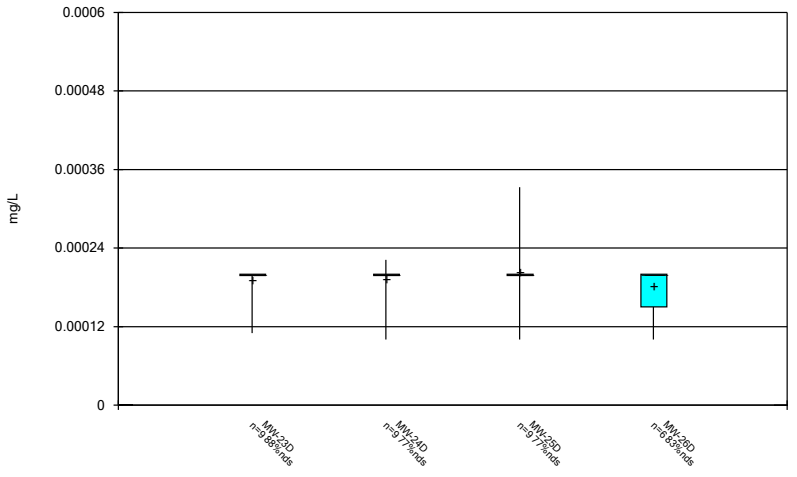


Constituent: Mercury Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

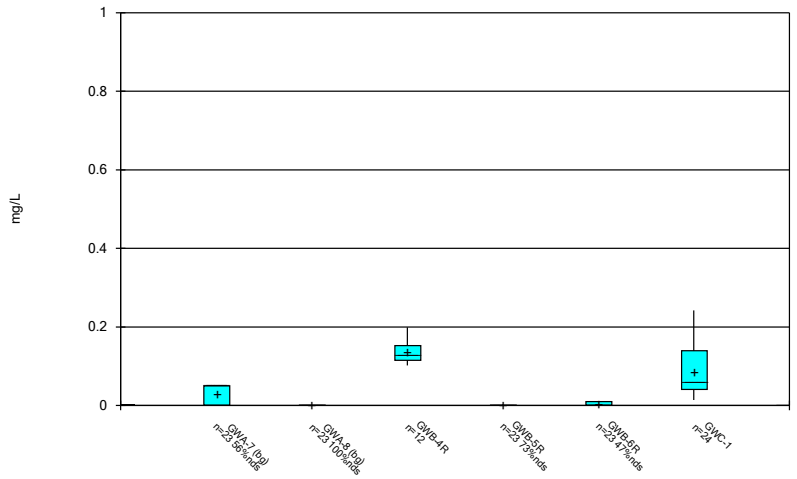


Constituent: Mercury Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

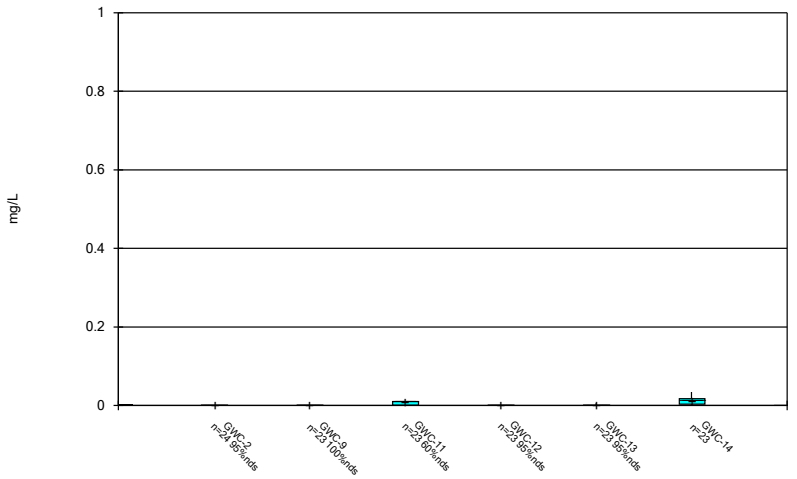


Constituent: Molybdenum Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

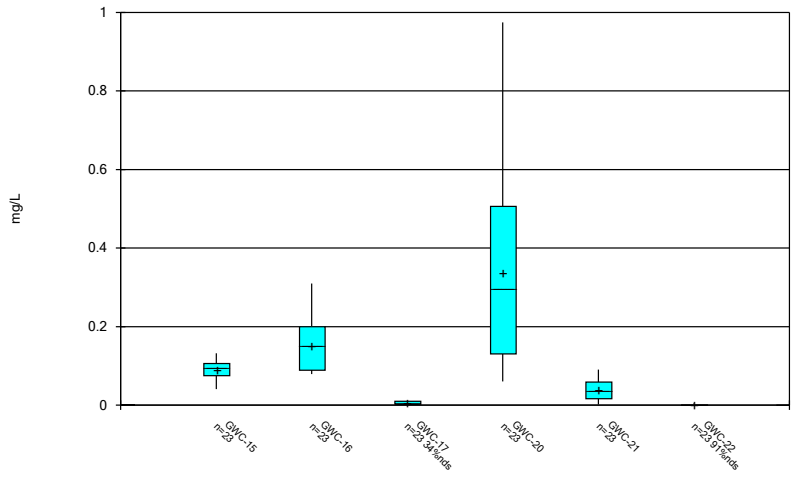


Constituent: Molybdenum Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

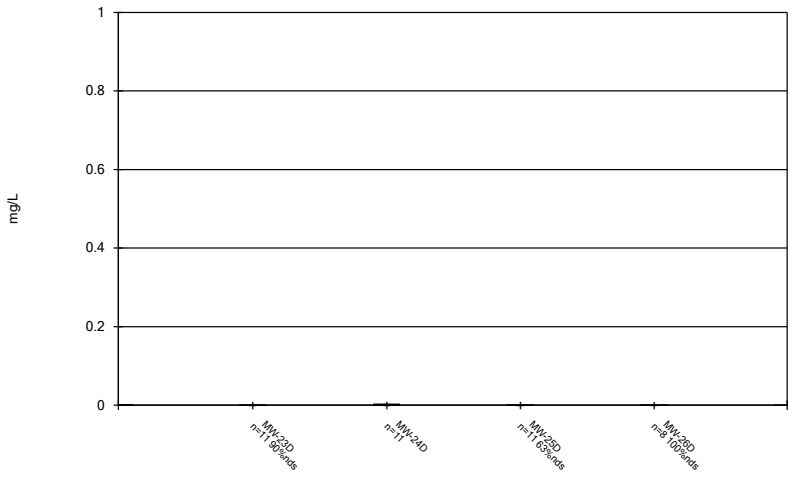


Constituent: Molybdenum Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

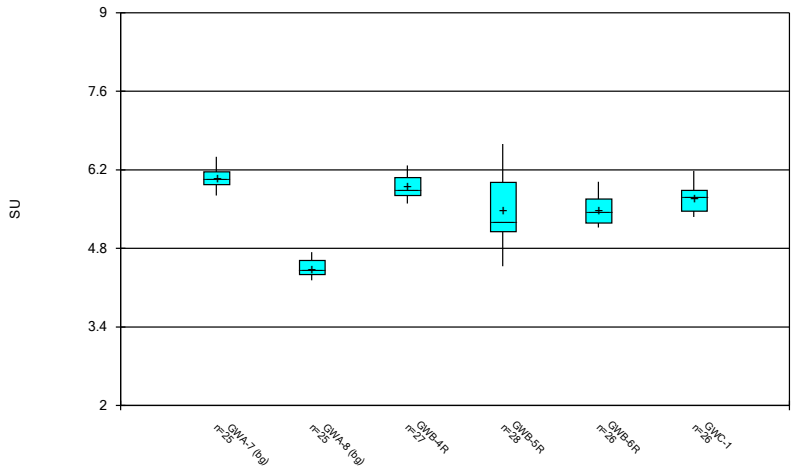


Constituent: Molybdenum Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

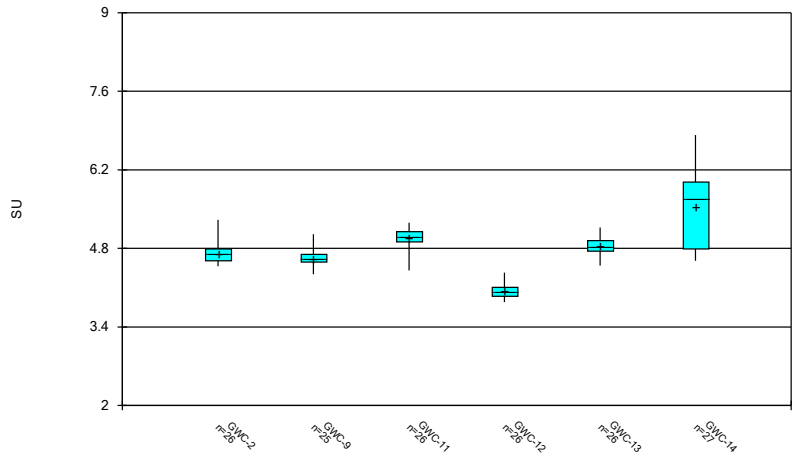


Constituent: pH, Field Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

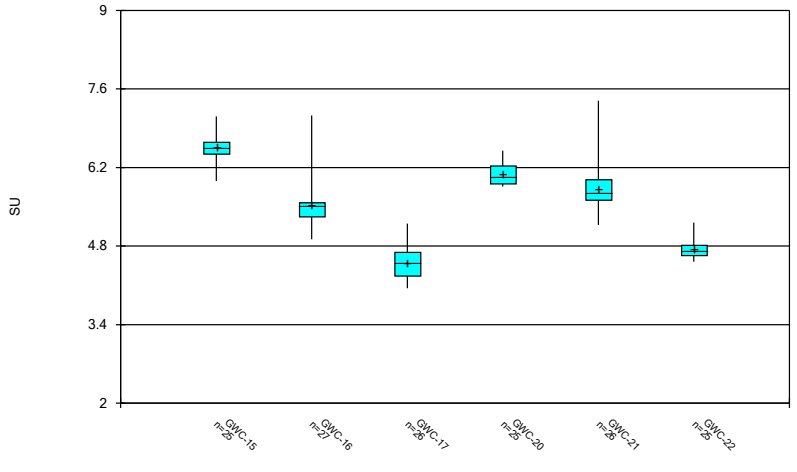


Constituent: pH, Field Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

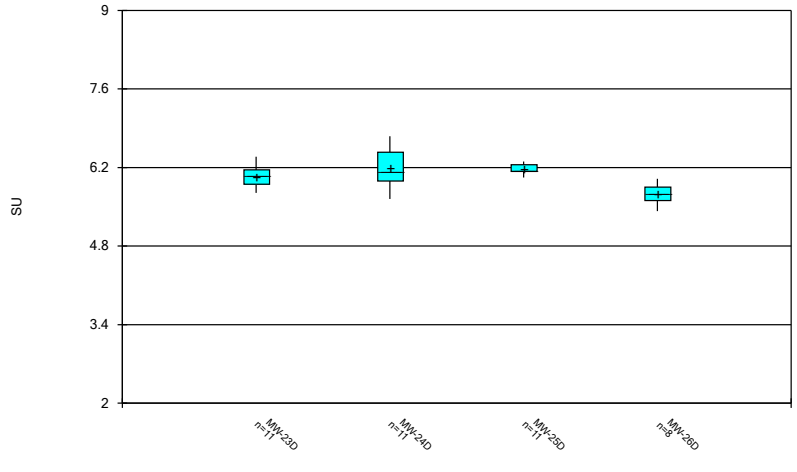


Constituent: pH, Field Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

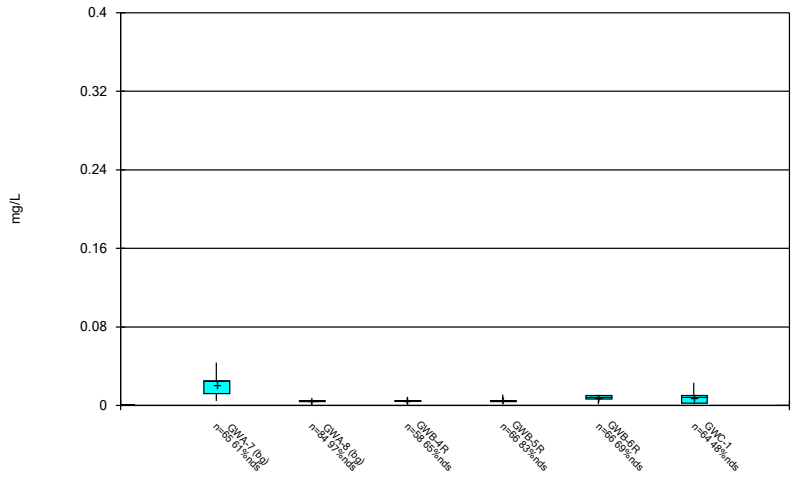


Constituent: pH, Field Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

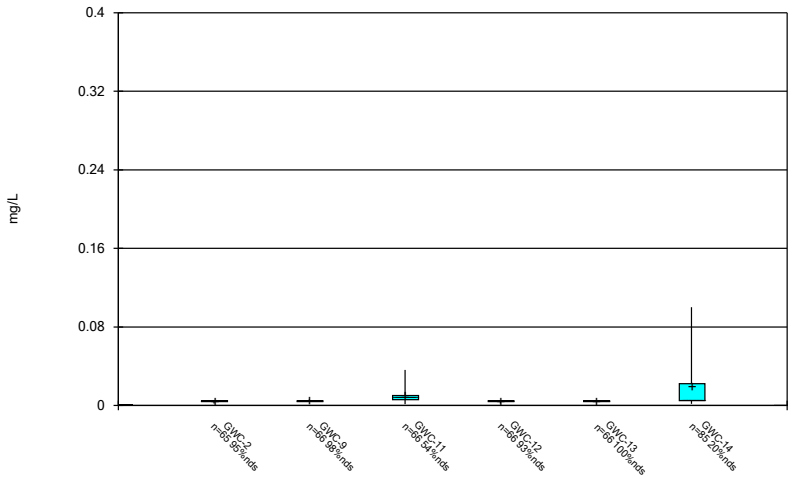


Constituent: Selenium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

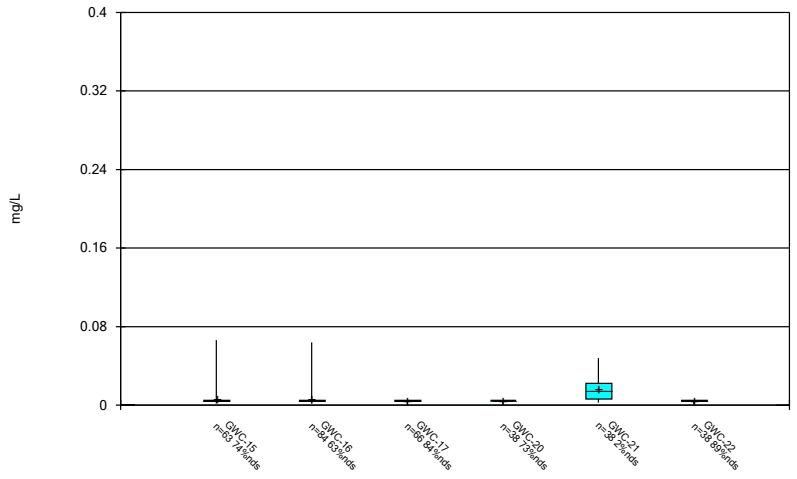


Constituent: Selenium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

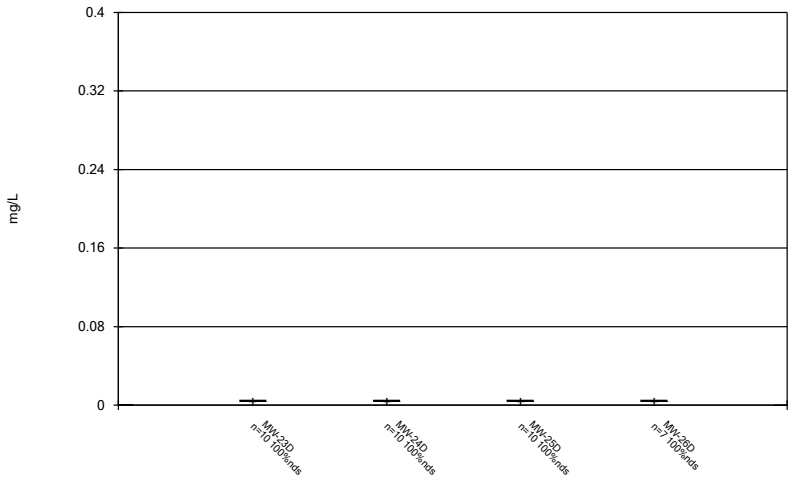


Constituent: Selenium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

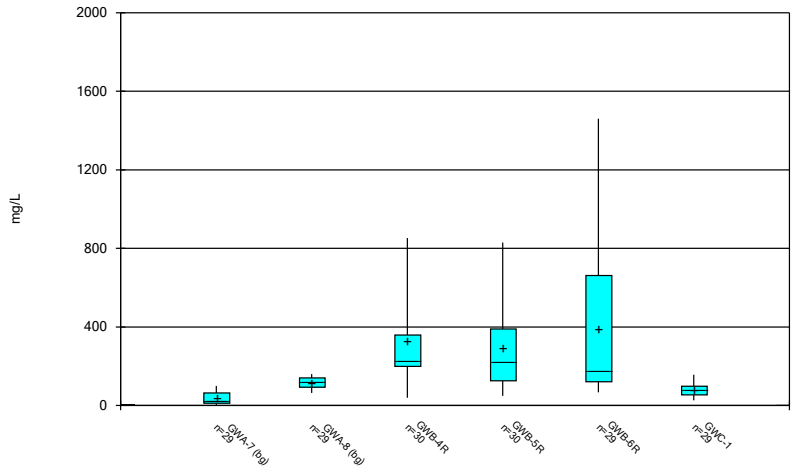


Constituent: Selenium Analysis Run 10/1/2025 11:54 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

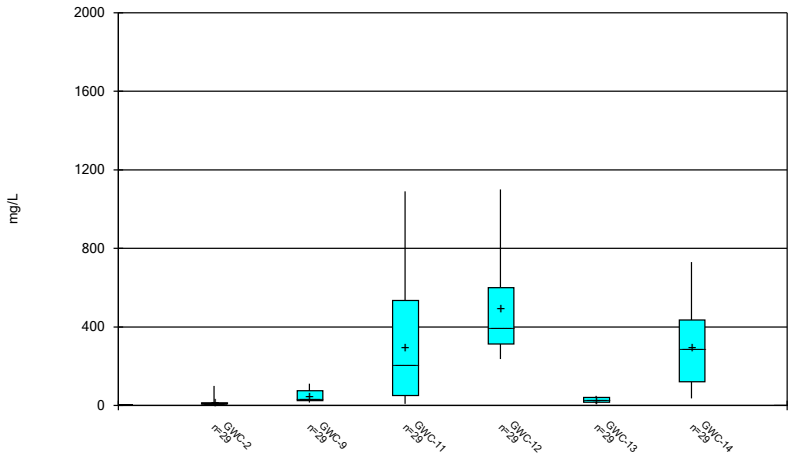


Constituent: Sulfate Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

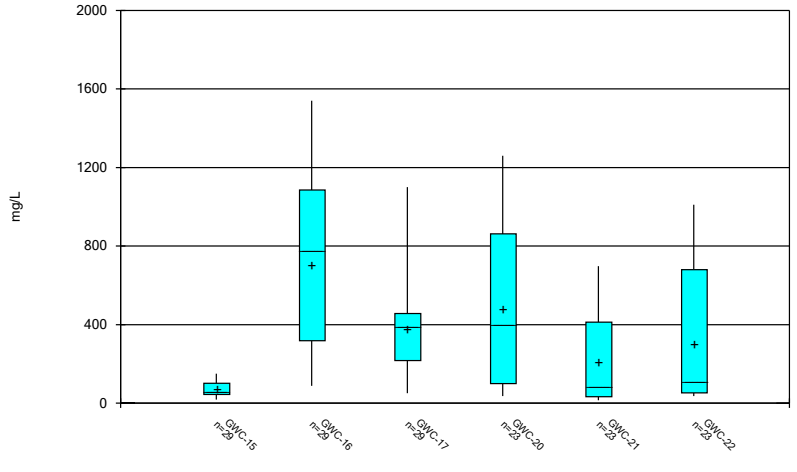


Constituent: Sulfate Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

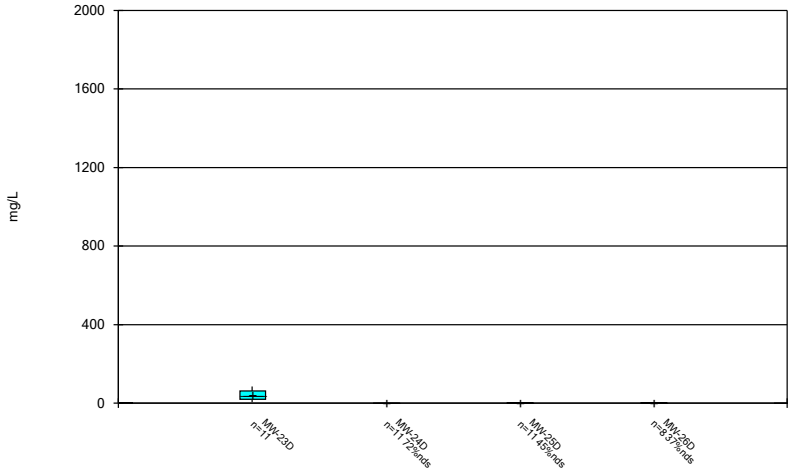


Constituent: Sulfate Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

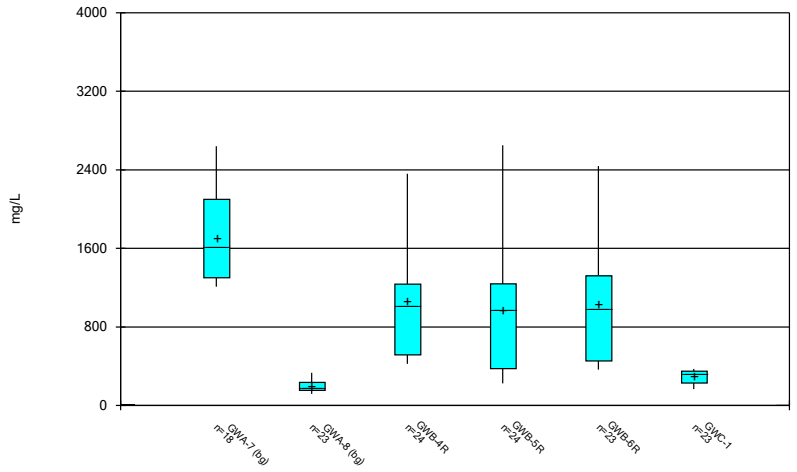


Constituent: Sulfate Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

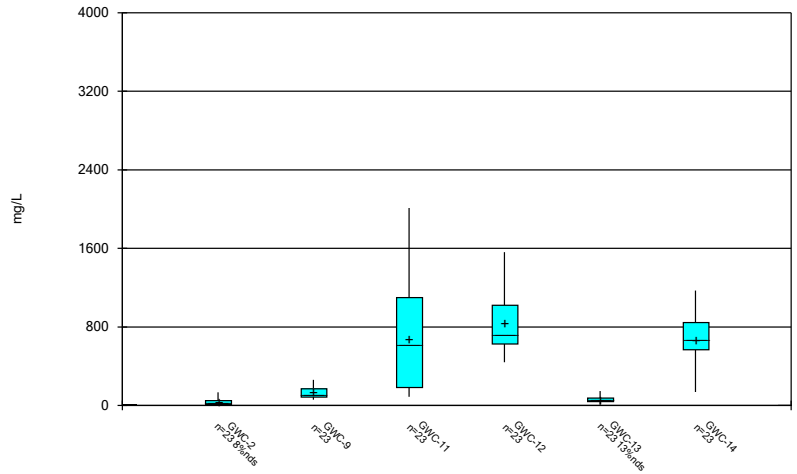


Constituent: TDS Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

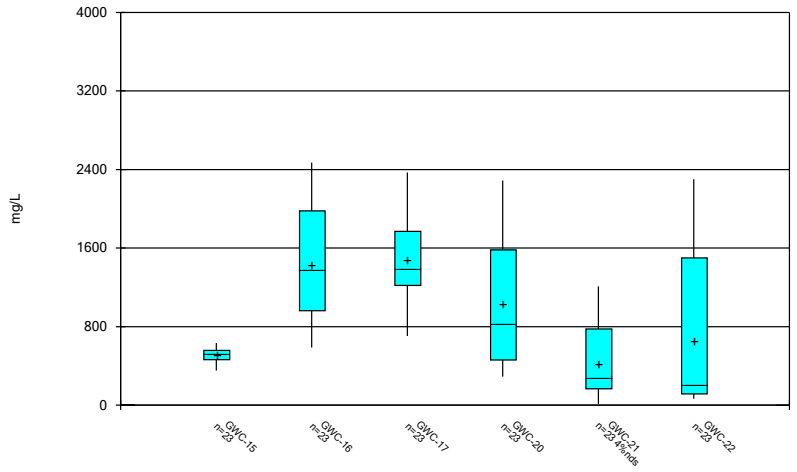


Constituent: TDS Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

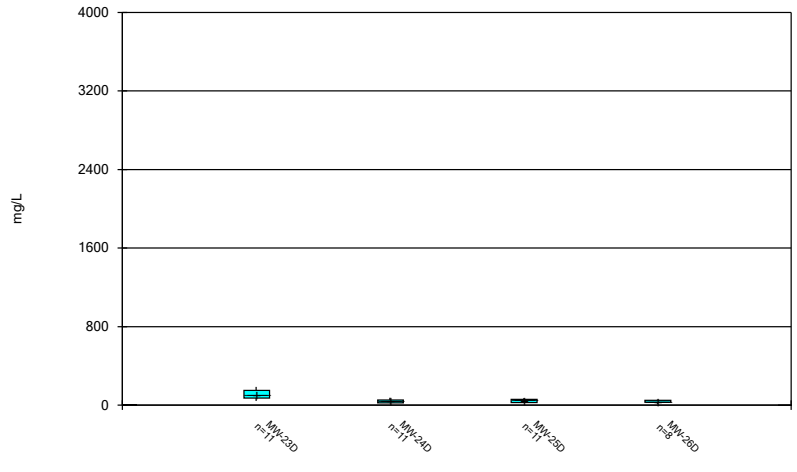


Constituent: TDS Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

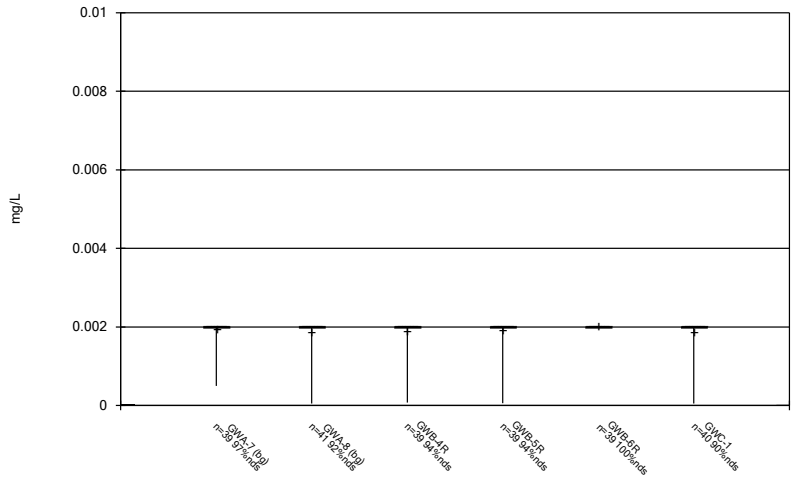


Constituent: TDS Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

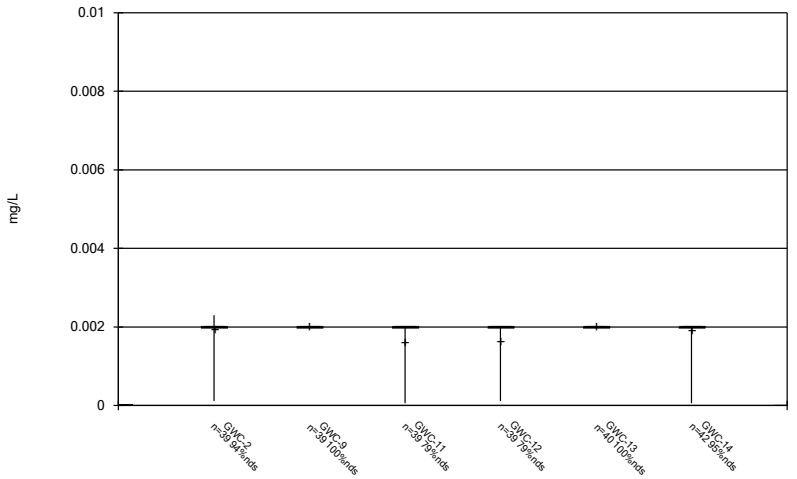


Constituent: Thallium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

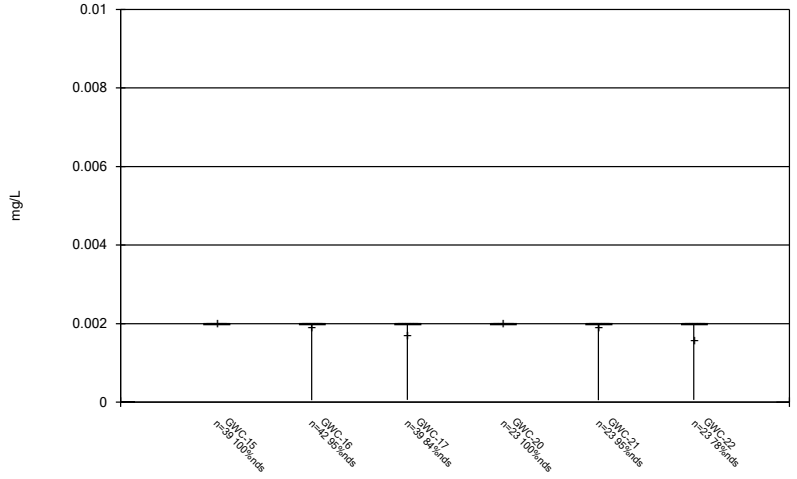


Constituent: Thallium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

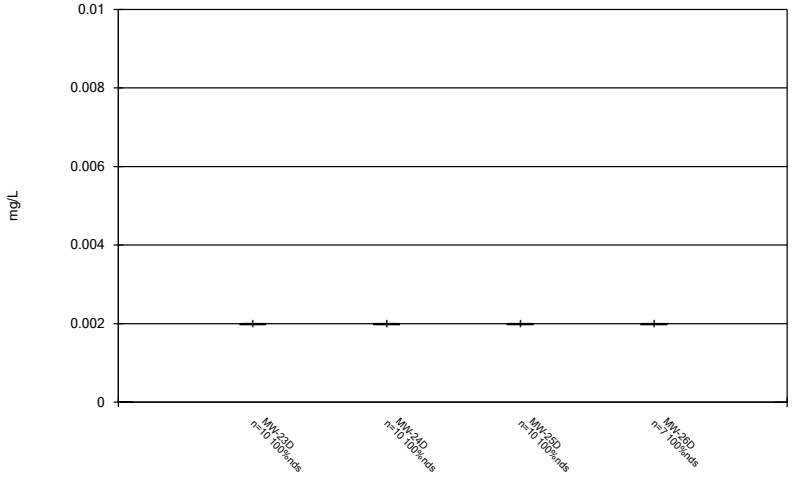


Constituent: Thallium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

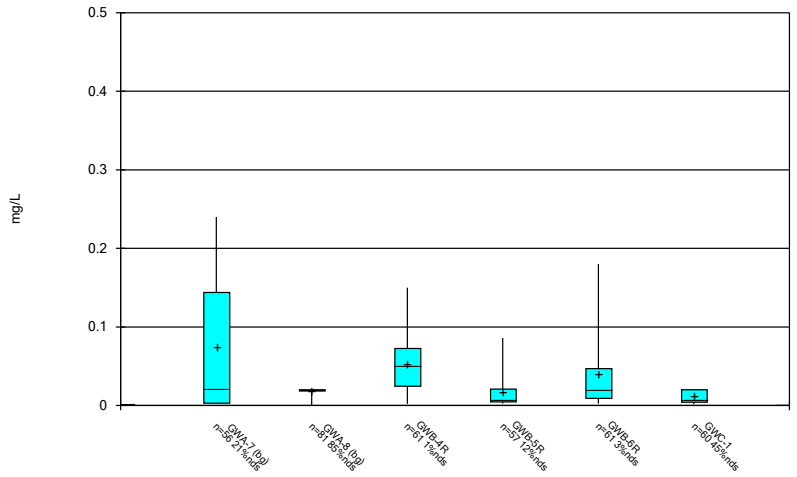


Constituent: Thallium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

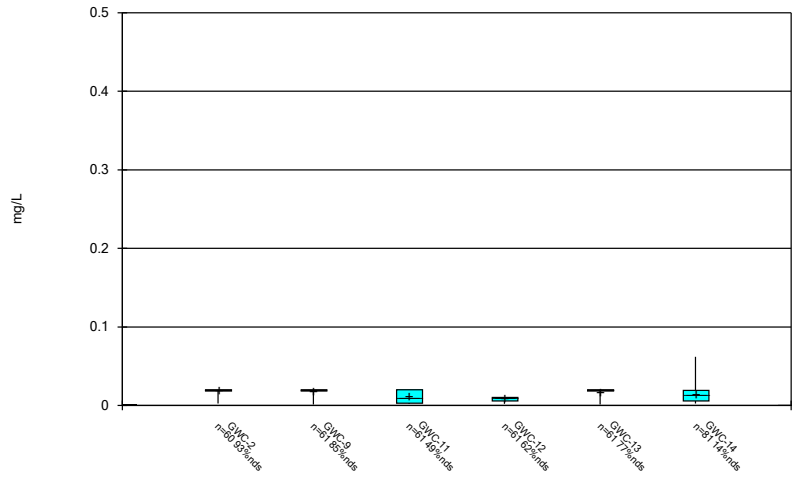


Constituent: Vanadium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

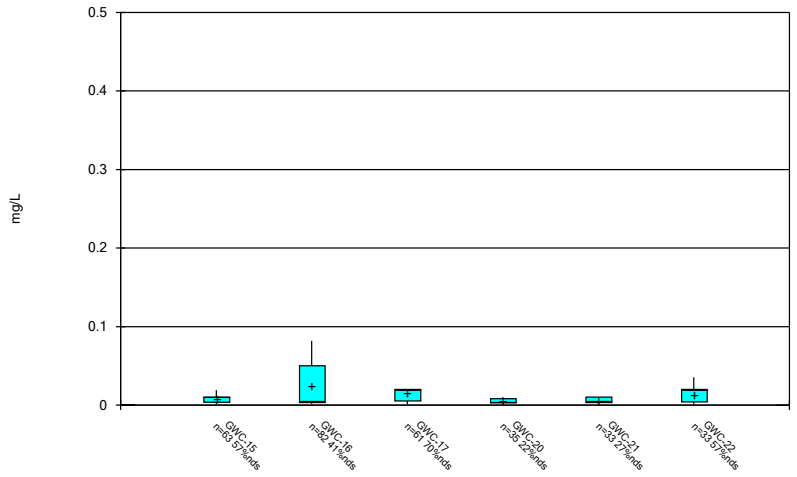


Constituent: Vanadium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

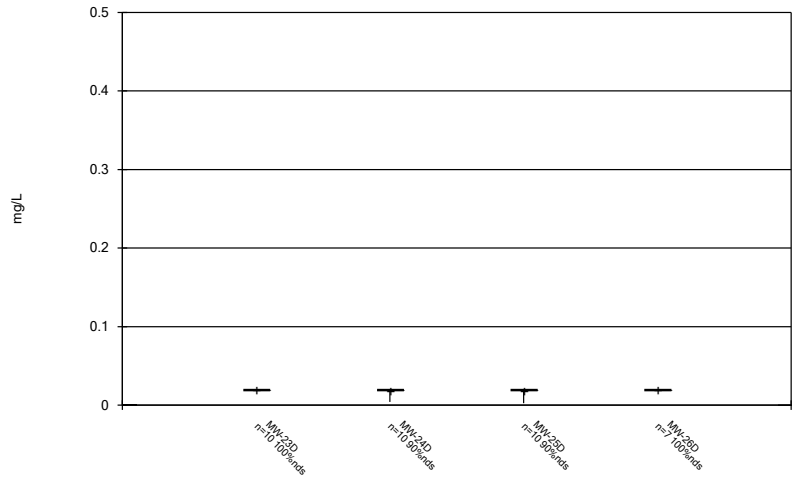


Constituent: Vanadium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

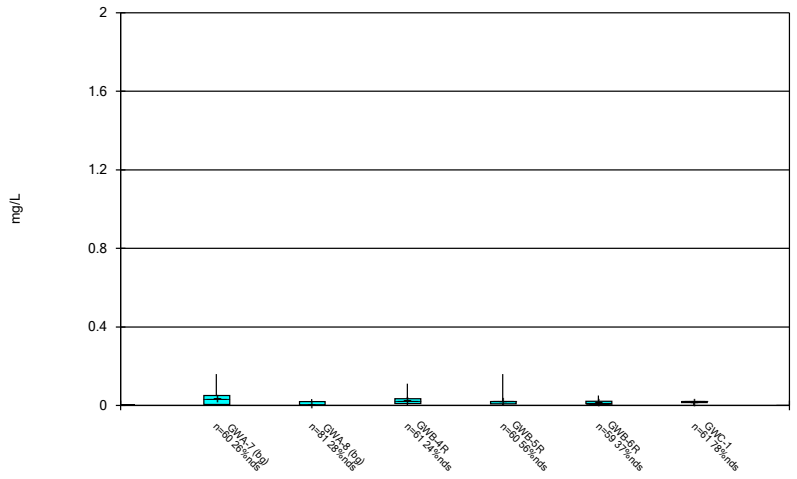


Constituent: Vanadium Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

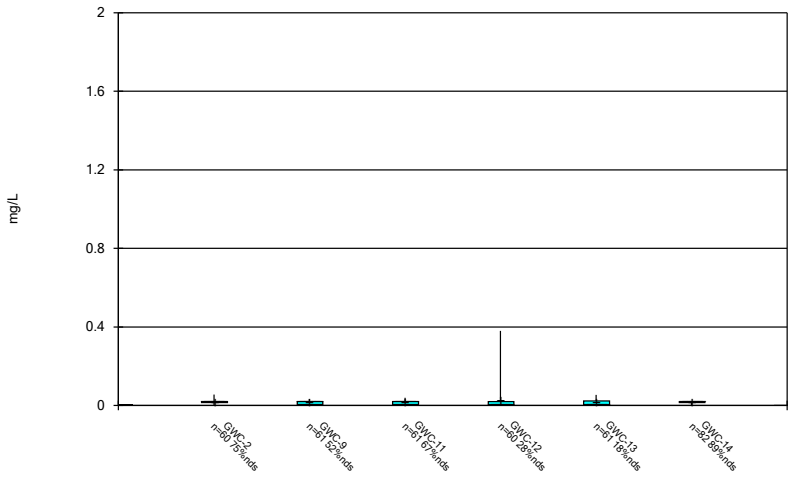


Constituent: Zinc Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

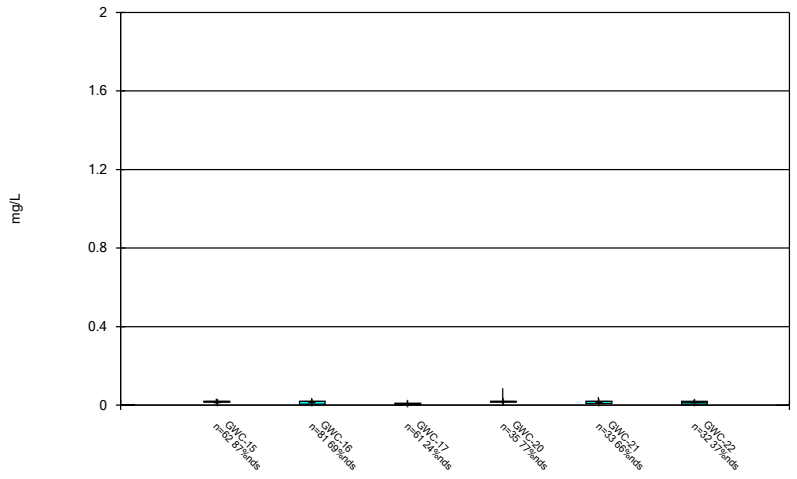


Constituent: Zinc Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

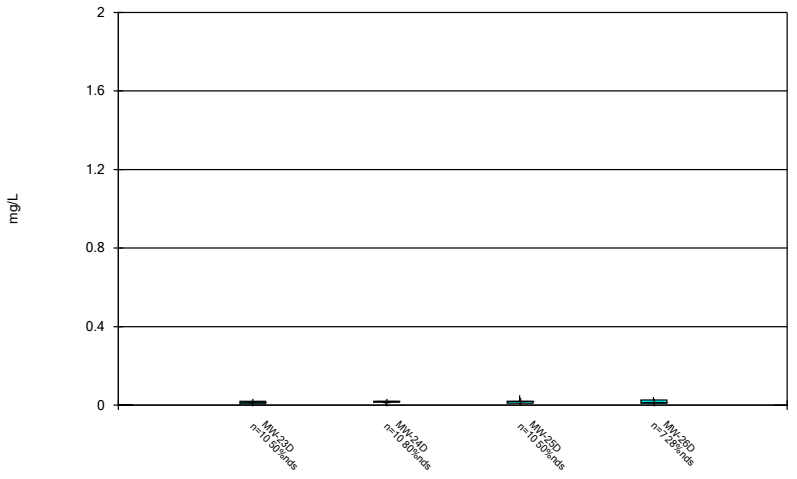


Constituent: Zinc Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot



Constituent: Zinc Analysis Run 10/1/2025 11:55 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE C.

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 12:01 PM

	GWC-16 Arsenic (mg/L)	GWA-7 Barium (mg/L)	GWB-5R Barium (mg/L)	GWC-2 Barium (mg/L)	GWC-12 Barium (mg/L)	GWC-14 Barium (mg/L)	GWC-16 Barium (mg/L)	GWC-15 Boron (mg/L)	GWA-7 Chromium (mg/L)	GWB-5R Chromium (mg/L)
9/29/2000										
1/20/2001										
3/14/2001										
7/16/2001						0.28 (O)				
11/2/2001			0.61 (O)							0.13 (O)
4/26/2002					0.24 (O)					
11/20/2002										
11/21/2002										
6/6/2003	1.2 (O)		0.72 (O)				0.48 (O)			
6/7/2003					0.28 (O)					
12/12/2003	0.27 (O)				0.27 (O)					
5/26/2004										
5/27/2004					0.31 (O)					
12/8/2004					0.46 (O)					
12/10/2004										
6/21/2005										
12/3/2005										
12/5/2005										
6/27/2006										
6/29/2006										
12/4/2006										
6/23/2007										
6/24/2008										
7/8/2011										
1/18/2013										
4/3/2014										
1/18/2016										
7/27/2016										
8/31/2016										
9/1/2016		0.415 (O)						9.01 (O)	0.119 (O)	
10/25/2016										
10/26/2016				0.113 (O)						
1/6/2017										
4/6/2017										
10/4/2017										
7/11/2018										
1/16/2019										
1/17/2019										
1/18/2019										
1/21/2019										
3/25/2019										
10/8/2019										
4/6/2020										
9/28/2020										

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 12:01 PM

	GWB-6R Chromium (mg/L)	GWC-16 Chromium (mg/L)	GWC-17 Chromium (mg/L)	GWA-7 Cobalt (mg/L)	GWA-7 Combined Radium 226 + 228 (pCi/L)	GWA-7 Lead (mg/L)	GWA-8 Lead (mg/L)	GWB-4R Lead (mg/L)	GWB-5R Lead (mg/L)	GWC-9 Lead (mg/L)
9/29/2000									0.017 (O)	
1/20/2001										
3/14/2001									0.026 (O)	
7/16/2001									0.043 (O)	
11/2/2001									0.075 (O)	
4/26/2002										
11/20/2002								0.018 (O)	0.057 (O)	
11/21/2002										0.0086 (O)
6/6/2003		0.063 (O)				0.037 (O)	0.016 (O)	0.015 (O)	0.16 (O)	
6/7/2003										
12/12/2003			0.036 (O)							
5/26/2004										
5/27/2004										
12/8/2004										
12/10/2004									0.038 (O)	
6/21/2005									0.036 (O)	
12/3/2005										
12/5/2005										
6/27/2006								0.024 (O)		
6/29/2006										
12/4/2006								0.023 (O)		
6/23/2007										
6/24/2008	0.032 (O)							0.02 (O)		
7/8/2011										
1/18/2013										
4/3/2014										
1/18/2016										
7/27/2016										
8/31/2016										
9/1/2016						0.0663 (O)		0.0166 (O)		
10/25/2016										
10/26/2016										
1/6/2017										
4/6/2017										
10/4/2017										
7/11/2018				<0.05 (O)						
1/16/2019						<0.025 (O)				
1/17/2019										
1/18/2019										
1/21/2019										
3/25/2019										
10/8/2019					33.8 (O)					
4/6/2020					25.7 (O)					
9/28/2020					22.4 (O)					

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 12:01 PM

	GWC-14 Lead (mg/L)	GWC-16 Lead (mg/L)	GWC-9 Lithium (mg/L)	GWA-8 pH, Field (SU)	GWC-9 pH, Field (SU)	GWC-13 pH, Field (SU)	GWC-15 pH, Field (SU)	GWC-20 pH, Field (SU)	GWC-22 pH, Field (SU)	GWB-4R Selenium (mg/L)
9/29/2000										
1/20/2001										0.014 (O)
3/14/2001										
7/16/2001										0.015 (O)
11/2/2001										0.012 (O)
4/26/2002										
11/20/2002										0.026 (O)
11/21/2002	0.011 (O)									
6/6/2003		0.099 (O)								0.022 (O)
6/7/2003										
12/12/2003		0.017 (O)								0.028 (O)
5/26/2004										0.012 (O)
5/27/2004										
12/8/2004										
12/10/2004										
6/21/2005										
12/3/2005										
12/5/2005										0.013 (O)
6/27/2006										
6/29/2006										
12/4/2006										
6/23/2007										
6/24/2008										
7/8/2011										
1/18/2013										
4/3/2014										
1/18/2016										
7/27/2016										
8/31/2016			<0.05 (O)							
9/1/2016										
10/25/2016										
10/26/2016										
1/6/2017										
4/6/2017										
10/4/2017										
7/11/2018										
1/16/2019				6.16 (O)		6.45 (O)				
1/17/2019							8.44 (O)			
1/18/2019					6.87 (O)				6.98 (O)	
1/21/2019								7.73 (O)		
3/25/2019										
10/8/2019										
4/6/2020										
9/28/2020										

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 12:01 PM

	GWC-1 Selenium (mg/L)	GWC-15 Selenium (mg/L)	GWC-16 Selenium (mg/L)	GWA-7 TDS (mg/L)	GWA-7 Vanadium (mg/L)	GWB-5R Vanadium (mg/L)	GWC-1 Vanadium (mg/L)	GWC-14 Vanadium (mg/L)	GWA-7 Zinc (mg/L)	GWB-5R Zinc (mg/L)
9/29/2000										
1/20/2001										
3/14/2001										
7/16/2001						0.12 (O)				
11/2/2001						0.21 (O)				
4/26/2002										
11/20/2002	0.19 (O)					0.14 (O)				
11/21/2002										
6/6/2003	0.32 (O)	0.021 (O)	0.021 (O)			0.12 (O)	0.16 (O)		0.69 (O)	0.51 (O)
6/7/2003										
12/12/2003		0.016 (O)								
5/26/2004										
5/27/2004										
12/8/2004										
12/10/2004										
6/21/2005										
12/3/2005										
12/5/2005										
6/27/2006										
6/29/2006										
12/4/2006										
6/23/2007										
6/24/2008										
7/8/2011										
1/18/2013		0.04 (O)								
4/3/2014								0.077 (O)		
1/18/2016					0.41 (O)					
7/27/2016					0.397 (O)					
8/31/2016										
9/1/2016				3660 (o)						
10/25/2016				3560 (o)	0.425 (O)					
10/26/2016										
1/6/2017				3490 (o)	0.41 (O)					
4/6/2017				3170 (o)	0.297 (O)					
10/4/2017				3350 (o)	0.316 (O)					
7/11/2018										
1/16/2019										
1/17/2019										
1/18/2019										
1/21/2019										
3/25/2019									<0.05 (O)	
10/8/2019										
4/6/2020										
9/28/2020										

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 12:01 PM

	GWB-6R Zinc (mg/L)	GWC-12 Zinc (mg/L)	GWC-15 Zinc (mg/L)	GWC-16 Zinc (mg/L)	GWC-22 Zinc (mg/L)
9/29/2000					
1/20/2001					
3/14/2001					
7/16/2001					
11/2/2001					
4/26/2002		1.2 (O)			
11/20/2002					
11/21/2002					
6/6/2003					
6/7/2003					
12/12/2003					
5/26/2004					
5/27/2004					
12/8/2004					
12/10/2004					
6/21/2005					
12/3/2005			0.064 (O)		
12/5/2005					
6/27/2006					
6/29/2006				0.077 (O)	
12/4/2006					
6/23/2007	0.094 (O)				
6/24/2008	0.098 (O)				
7/8/2011					0.1 (O)
1/18/2013					
4/3/2014					
1/18/2016					
7/27/2016					
8/31/2016					
9/1/2016					
10/25/2016					
10/26/2016					
1/6/2017					
4/6/2017					
10/4/2017					
7/11/2018					
1/16/2019					
1/17/2019					
1/18/2019					
1/21/2019					
3/25/2019					
10/8/2019					
4/6/2020					
9/28/2020					

Tukey's Outlier Test - Upgradient Wells - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:23 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	**GWA-7,GWA-8**	**Yes**	**0.19,0.15,0.15,0.13,0.13,0.16,0.16,0.22,0.192,0.4**	**NP**	**NaN**	**148**	**0.09287**	**0.04773**	**x^6**	**ChiSquared**
Zinc (mg/L)	**GWA-7,GWA-8**	**Yes**	**0.69,0.12,0.051,0.042,0.062,0.064,0.066,0.036,0.0**	**NP**	**NaN**	**143**	**0.02179**	**0.06071**	**x^4**	**ChiSquared**

Tukey's Outlier Test - Upgradient Wells - All Results

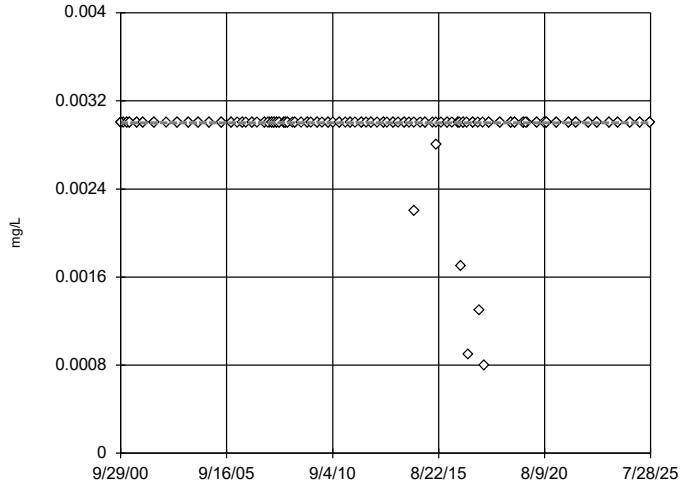
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:23 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	149	0.002944	0.0003081	unknown	ChiSquared
Arsenic (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	149	0.005324	0.002833	unknown	ChiSquared
Barium (mg/L)	**GWA-7,GWA-8**	**Yes**	**0.19,0.15,0.15,0.13,0.13,0.16,0.16,0.22,0.192,0.4**	**NP**	**NaN**	**148**	**0.09287**	**0.04773**	**x^6**	**ChiSquared**
Beryllium (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	71	0.0004324	0.0002158	ln(x)	ShapiroFrancia
Boron (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	46	5.51	6.746	sqrt(x)	ShapiroWilk
Cadmium (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	69	0.0009826	0.0001137	unknown	ShapiroFrancia
Calcium (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	58	12.65	9.373	x^(1/3)	ShapiroFrancia
Chloride (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	58	67.87	65.91	ln(x)	ShapiroFrancia
Chromium (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	149	0.01335	0.01387	unknown	ChiSquared
Cobalt (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	71	0.00361	0.002136	normal	ShapiroFrancia
Combined Radium 226 + 228 (pCi/L)	GWA-7,GWA-8	No	n/a	NP	NaN	46	5.522	6.502	ln(x)	ShapiroWilk
Fluoride (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	50	0.1244	0.104	ln(x)	ShapiroFrancia
Lead (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	149	0.003415	0.006448	unknown	ChiSquared
Lithium (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	46	0.008248	0.003593	unknown	ShapiroWilk
Mercury (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	40	0.000188	0.00003539	unknown	ShapiroWilk
Molybdenum (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	46	0.001118	0.001327	unknown	ShapiroWilk
pH, Field (SU)	GWA-7,GWA-8	No	n/a	NP	NaN	51	5.266	0.8262	x^6	ShapiroFrancia
Selenium (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	149	0.006516	0.005486	unknown	ChiSquared
Sulfate (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	58	76.58	50.49	normal	ShapiroFrancia
TDS (mg/L)	GWA-7,GWA-8	No	n/a	NP	NaN	46	1140	1116	x^(1/3)	ShapiroWilk
Thallium (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	80	0.001908	0.0004041	unknown	ShapiroFrancia
Vanadium (mg/L)	GWA-7,GWA-8	n/a	n/a	NP	NaN	143	0.05633	0.08804	unknown	ChiSquared
Zinc (mg/L)	**GWA-7,GWA-8**	**Yes**	**0.69,0.12,0.051,0.042,0.062,0.064,0.066,0.036,0.0**	**NP**	**NaN**	**143**	**0.02179**	**0.06071**	**x^4**	**ChiSquared**

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 149

No outliers found.
Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

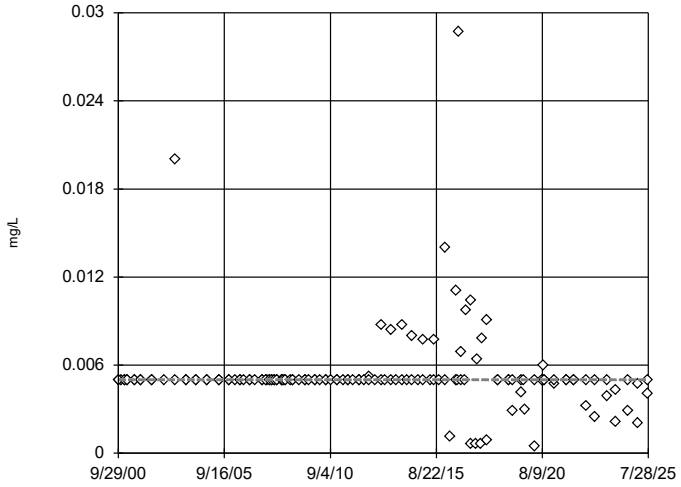
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 149

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

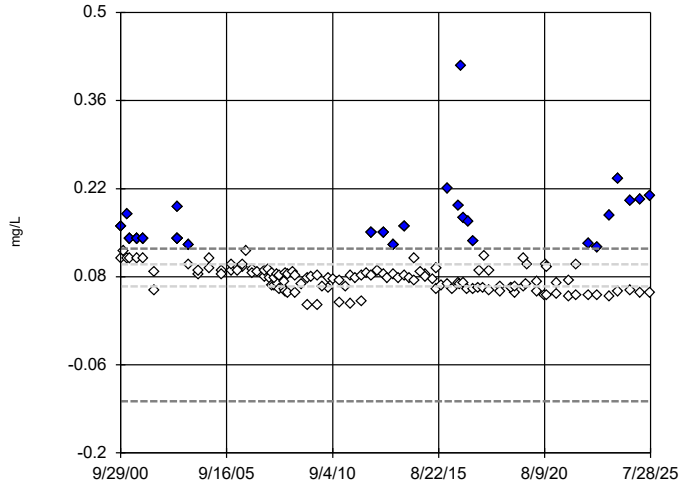
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 148

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

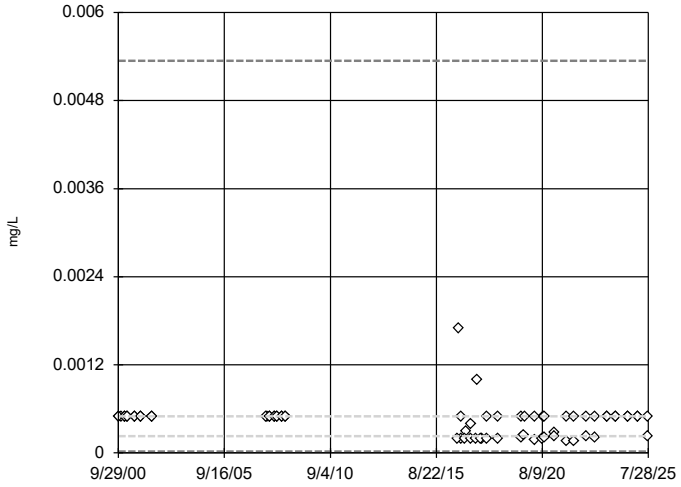
High cutoff = 0.1248, low cutoff = -0.1181, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 71

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

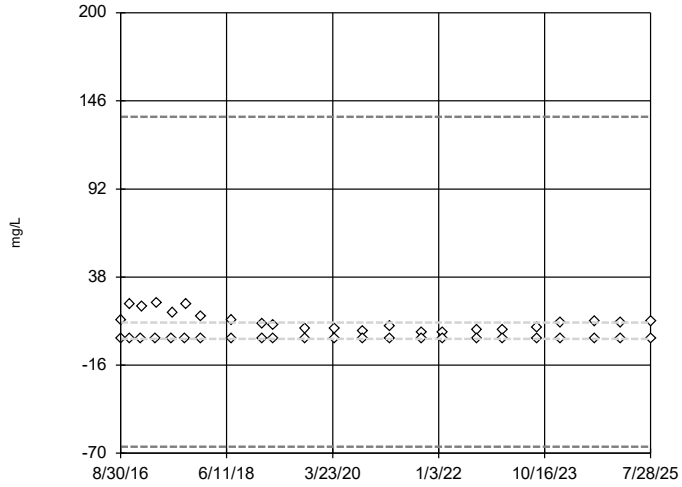
High cutoff = 0.005343, low cutoff = 0.00002124, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 46

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

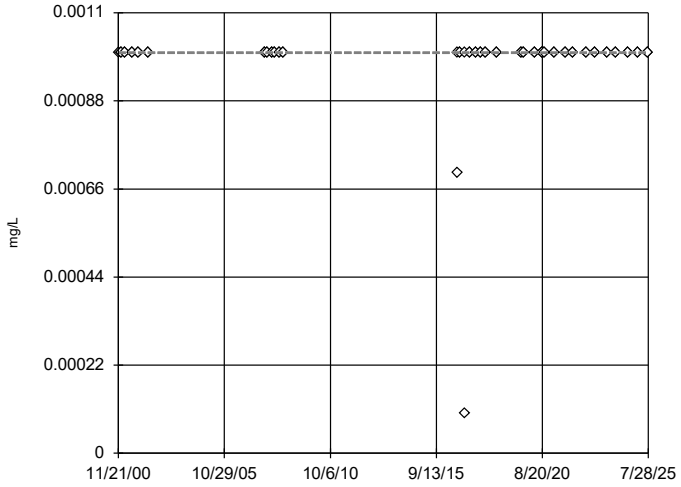
High cutoff = 136.3, low cutoff = -66.04, based on IQR multiplier of 3.

Constituent: Boron Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 69

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

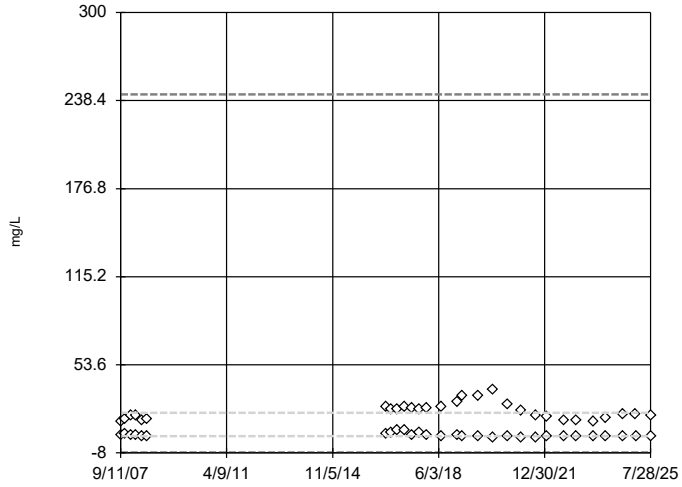
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 58

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

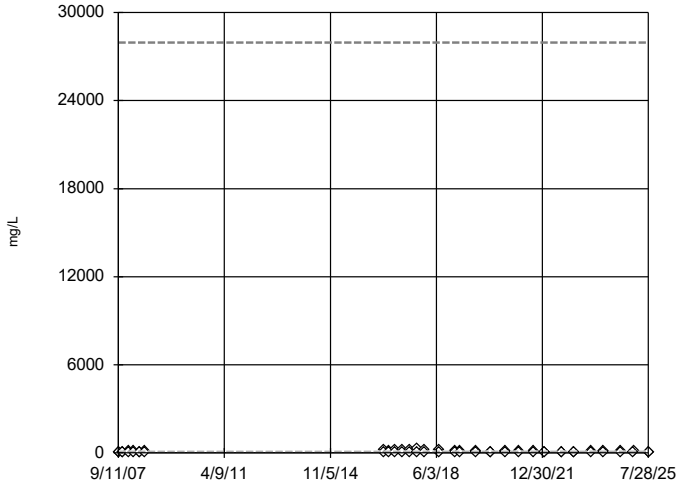
High cutoff = 242.7, low cutoff = -7.783, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 58

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

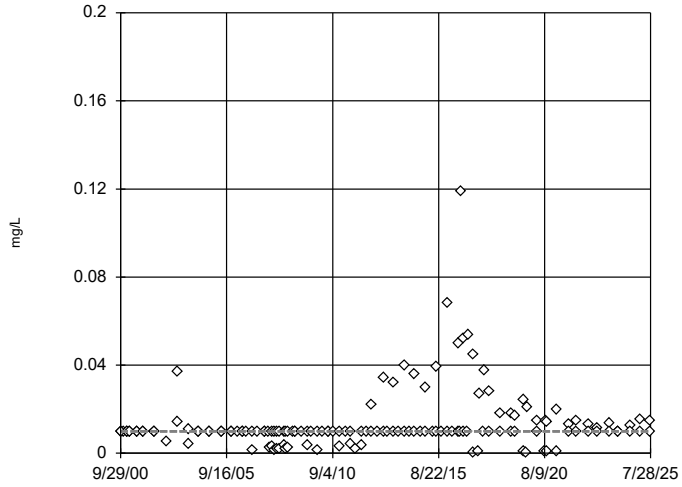
High cutoff = 27959, low cutoff = 0.05009, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 149

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

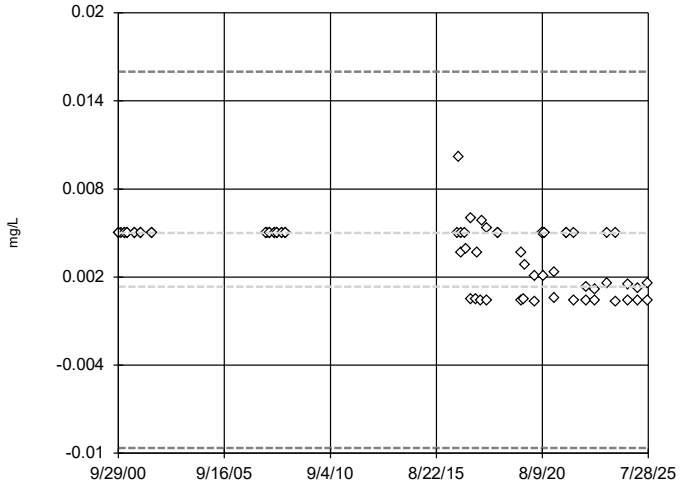
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 71

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

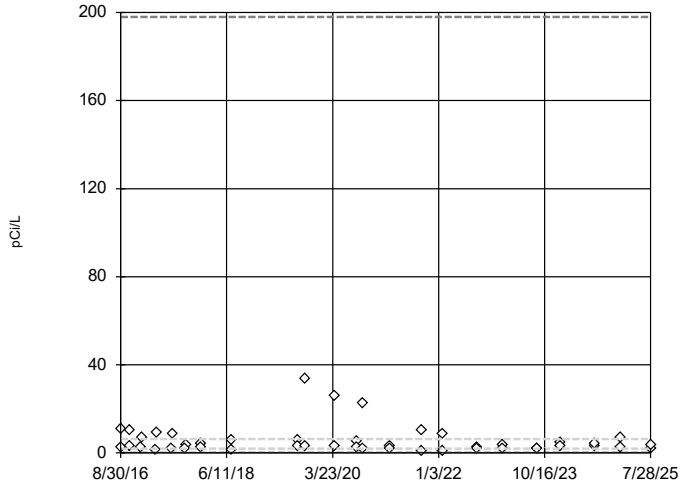
High cutoff = 0.01598, low cutoff = -0.00964, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 46

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

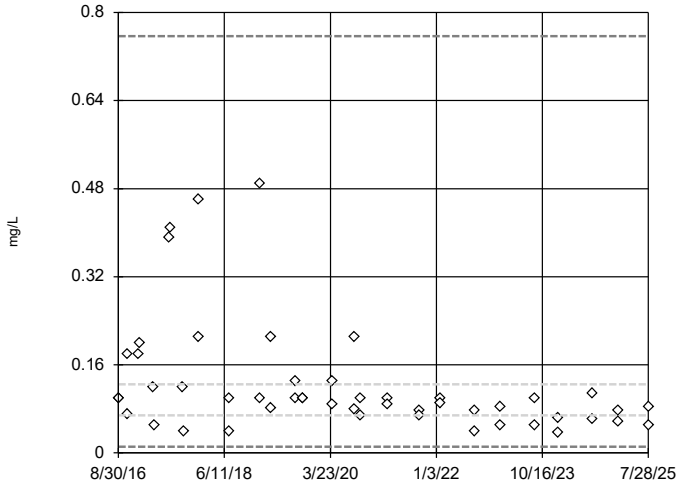
High cutoff = 198, low cutoff = 0.06509, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 50

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

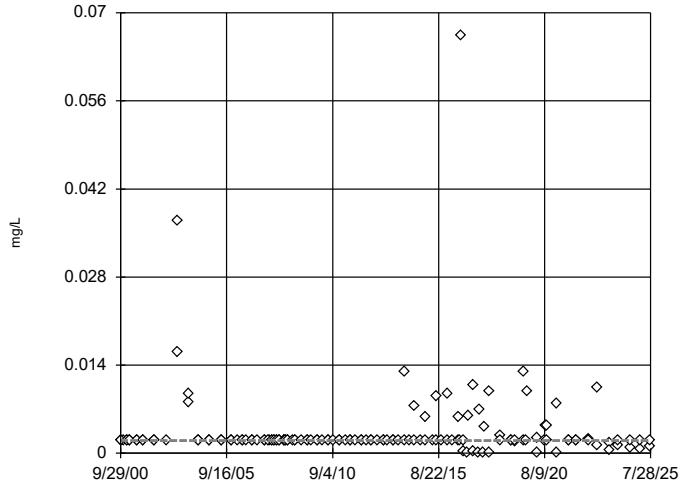
High cutoff = 0.7572, low cutoff = 0.0113, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 149

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

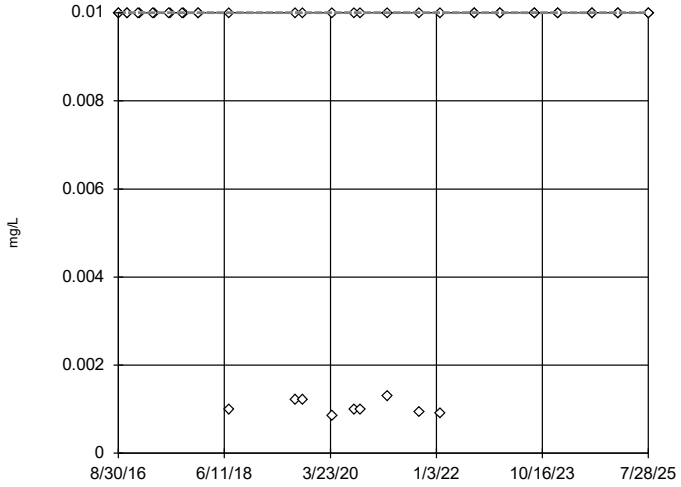
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 46

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

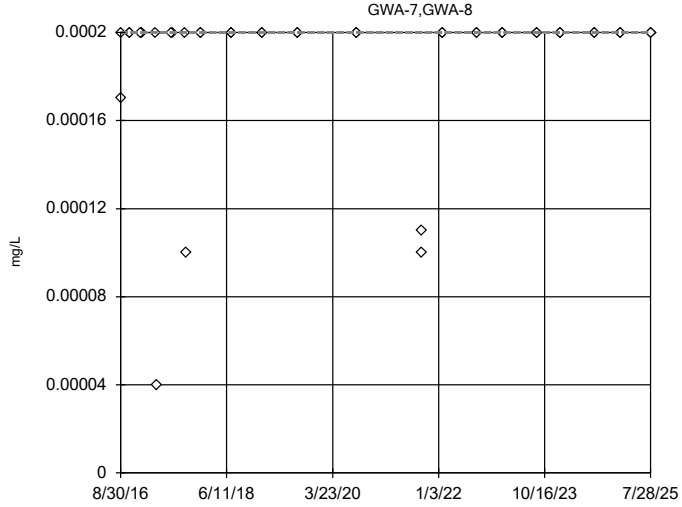
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 40

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

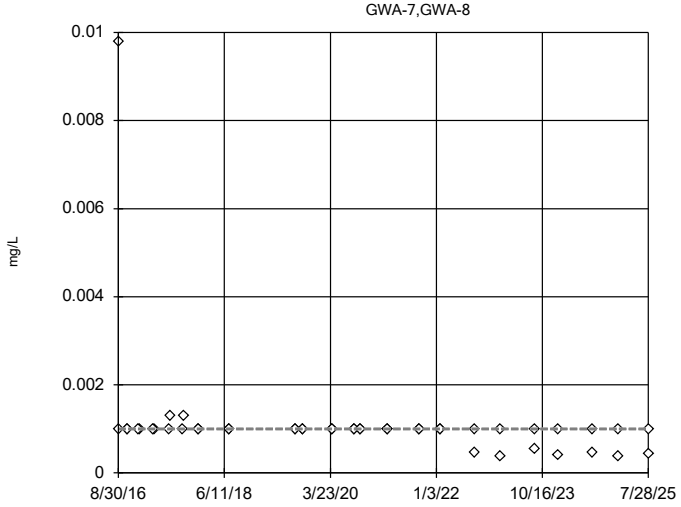
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 46

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

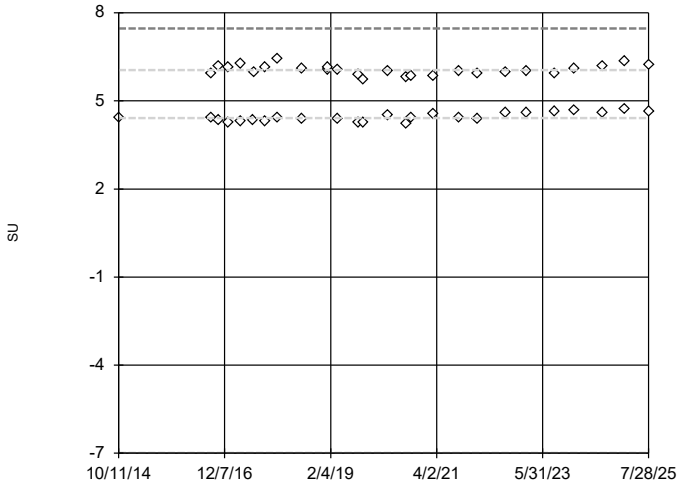
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 51

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.47, low cutoff = -6.996, based on IQR multiplier of 3.

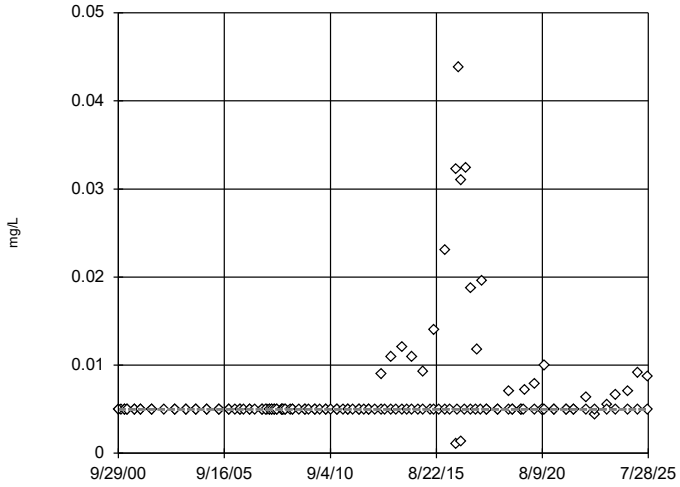
Constituent: pH, Field Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 149

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

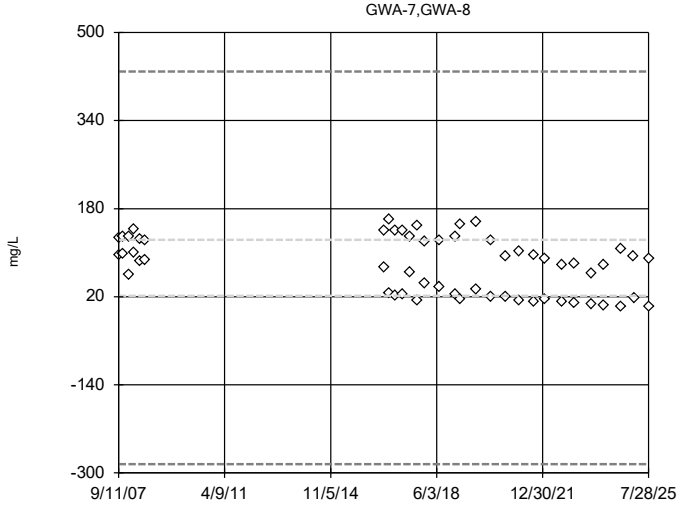
Constituent: Selenium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 58

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 429.1, low cutoff = -283.9, based on IQR multiplier of 3.

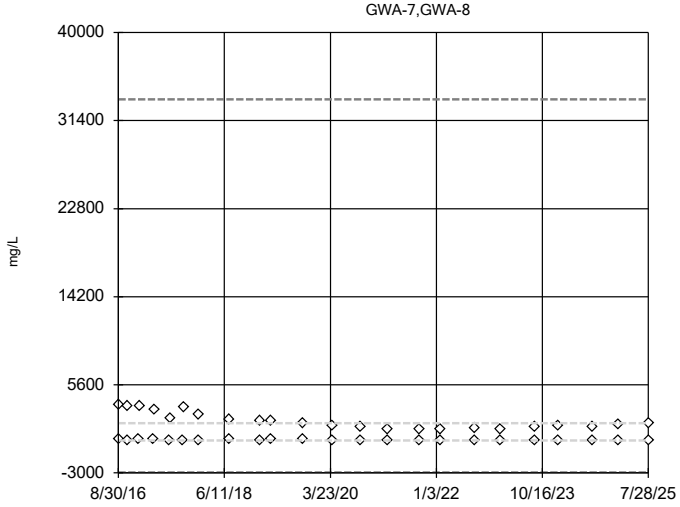
Constituent: Sulfate Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 46

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 33474, low cutoff = -2941, based on IQR multiplier of 3.

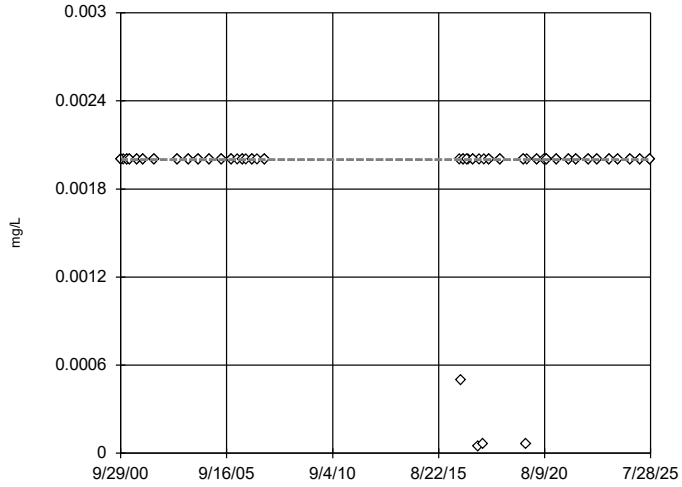
Constituent: TDS Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 80

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

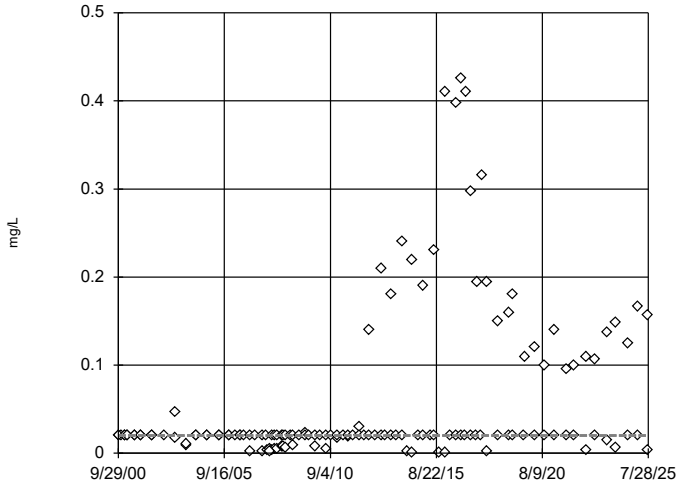
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 143

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

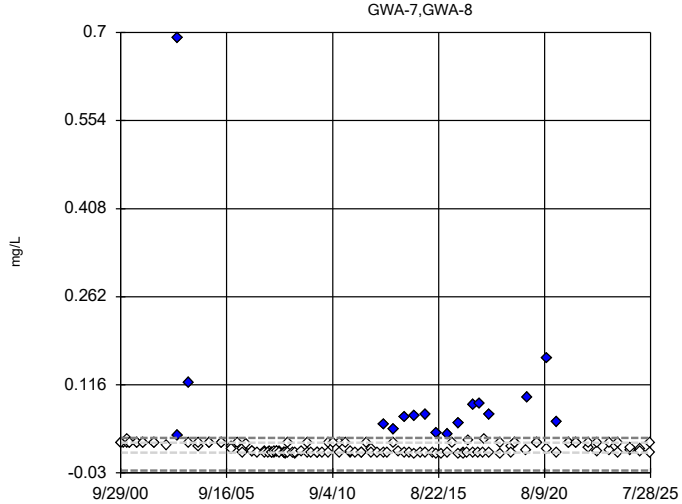
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tukey's Outlier Screening, Pooled Background

GWA-7,GWA-8



n = 143

Outliers are drawn as solid.
Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02828, low cutoff = -0.02631, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 9/30/2025 4:22 PM View: Outliers - Upgradient
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE D.

Appendix I & III Trend Tests - Upgradient Wells - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:43 PM

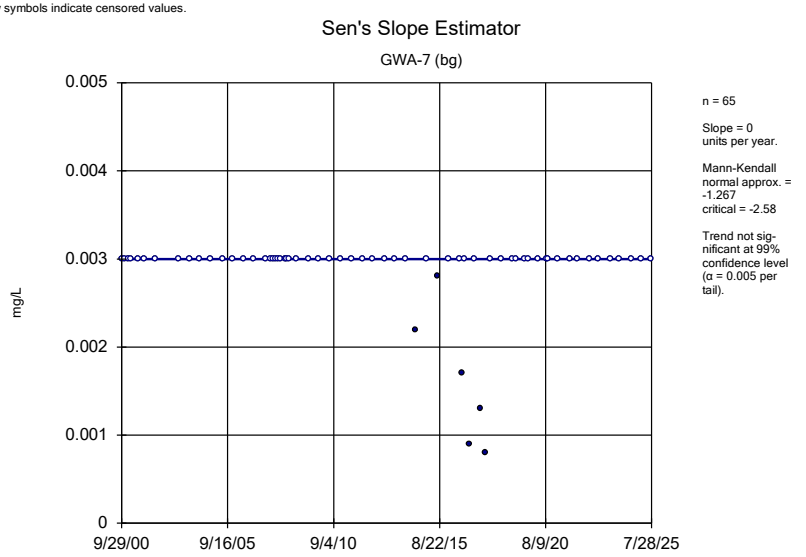
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-7 (bg)**	**-1.239**	**-100**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-8 (bg)**	**0.01282**	**157**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09818**	**-184**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-2.58**	**Yes**	**84**	**86.9**	**n/a**	**0.01**	**NP**
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-2.58**	**Yes**	**83**	**87.95**	**n/a**	**0.01**	**NP**
pH, Field (SU)	**GWA-8 (bg)**	**0.03556**	**147**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-2.58**	**Yes**	**65**	**61.54**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.811**	**-310**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.845**	**-199**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Vanadium (mg/L)	**GWA-7 (bg)**	**0.006275**	**6.659**	**2.58**	**Yes**	**56**	**21.43**	**n/a**	**0.01**	**NP**

Appendix I & III Trend Tests - Upgradient Wells - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:43 PM

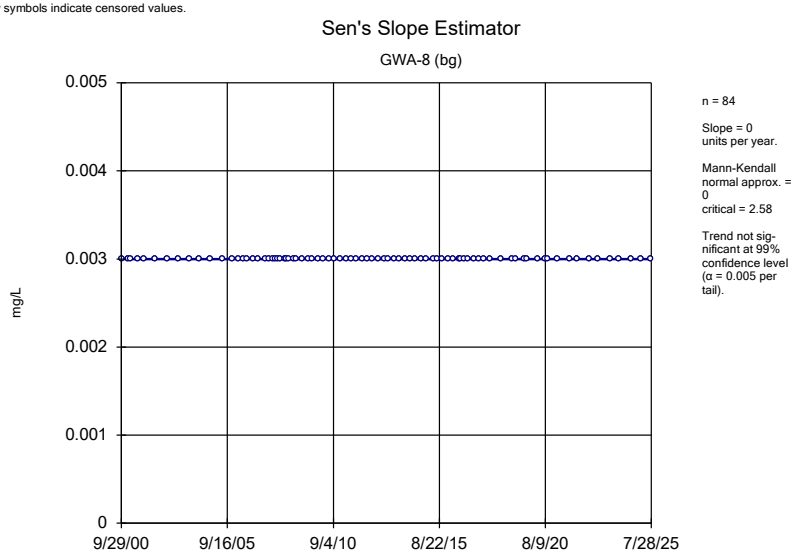
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-7 (bg)	0	-1.267	-2.58	No	65	90.77	n/a	0.01	NP
Antimony (mg/L)	GWA-8 (bg)	0	0	2.58	No	84	100	n/a	0.01	NP
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWA-7 (bg)	0.001286	1.56	2.58	No	64	0	n/a	0.01	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-7 (bg)**	**-1.239**	**-100**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWA-8 (bg)**	**0.01282**	**157**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09818**	**-184**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-8 (bg)	0.0365	14	139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWA-7 (bg)	-3.169	-55	-139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWA-8 (bg)	-0.2017	-85	-139	No	29	0	n/a	0.01	NP
Chromium (mg/L)	GWA-7 (bg)	-0.0007742	-1.931	-2.58	No	64	25	n/a	0.01	NP
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-2.58**	**Yes**	**84**	**86.9**	**n/a**	**0.01**	**NP**
Fluoride (mg/L)	GWA-7 (bg)	-0.00915	-98	-111	No	25	28	n/a	0.01	NP
Fluoride (mg/L)	GWA-8 (bg)	-0.006173	-88	-111	No	25	12	n/a	0.01	NP
Lead (mg/L)	GWA-7 (bg)	0	-1.698	-2.58	No	62	54.84	n/a	0.01	NP
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-2.58**	**Yes**	**83**	**87.95**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWA-7 (bg)	-0.006358	-9	-111	No	25	0	n/a	0.01	NP
pH, Field (SU)	**GWA-8 (bg)**	**0.03556**	**147**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-2.58**	**Yes**	**65**	**61.54**	**n/a**	**0.01**	**NP**
Selenium (mg/L)	GWA-8 (bg)	0	-0.9975	-2.58	No	84	97.62	n/a	0.01	NP
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.811**	**-310**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.845**	**-199**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	GWA-7 (bg)	-104.1	-53	-68	No	18	0	n/a	0.01	NP
TDS (mg/L)	GWA-8 (bg)	-11.23	-97	-98	No	23	0	n/a	0.01	NP
Vanadium (mg/L)	**GWA-7 (bg)**	**0.006275**	**6.659**	**2.58**	**Yes**	**56**	**21.43**	**n/a**	**0.01**	**NP**
Vanadium (mg/L)	GWA-8 (bg)	0	-1.826	-2.58	No	81	85.19	n/a	0.01	NP
Zinc (mg/L)	GWA-7 (bg)	0	-0.1869	-2.58	No	60	26.67	n/a	0.01	NP
Zinc (mg/L)	GWA-8 (bg)	-0.0001015	-2.42	-2.58	No	81	28.4	n/a	0.01	NP

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Hollow symbols indicate censored values.



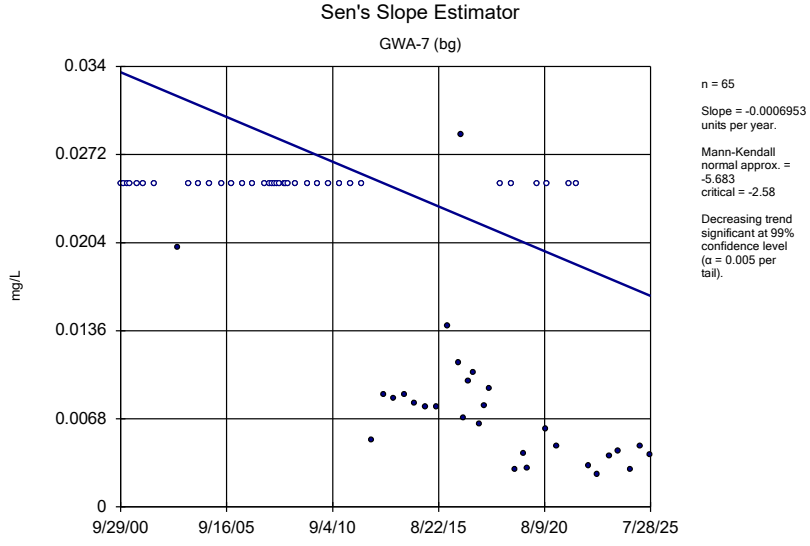
Constituent: Antimony Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.



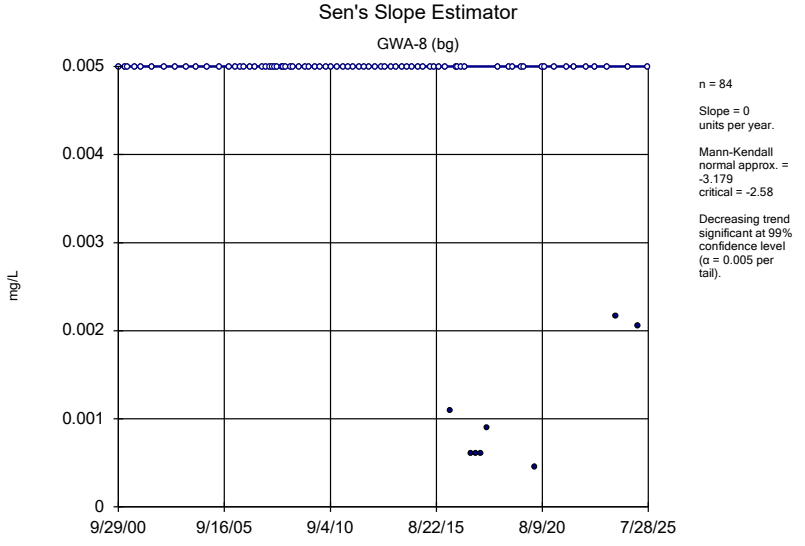
Constituent: Antimony Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Constituent: Arsenic Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

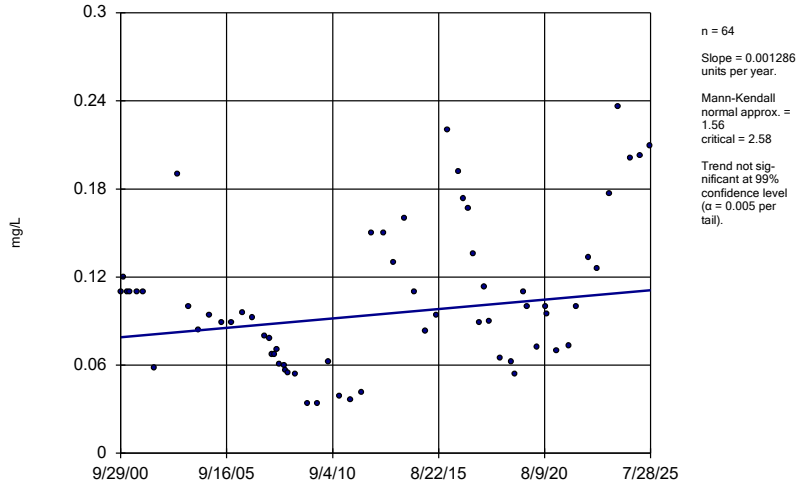


Constituent: Arsenic Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 64

Slope = 0.001286 units per year.

Mann-Kendall normal approx. = 1.56
critical = 2.58

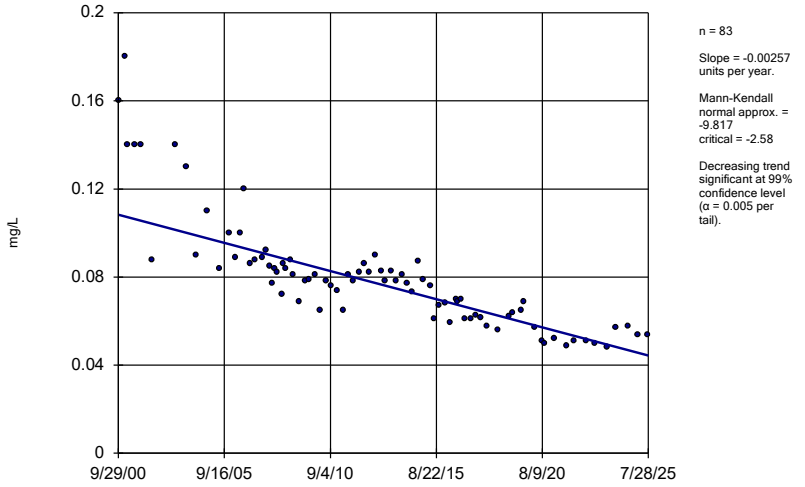
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 83

Slope = -0.00257 units per year.

Mann-Kendall normal approx. = -9.817
critical = -2.58

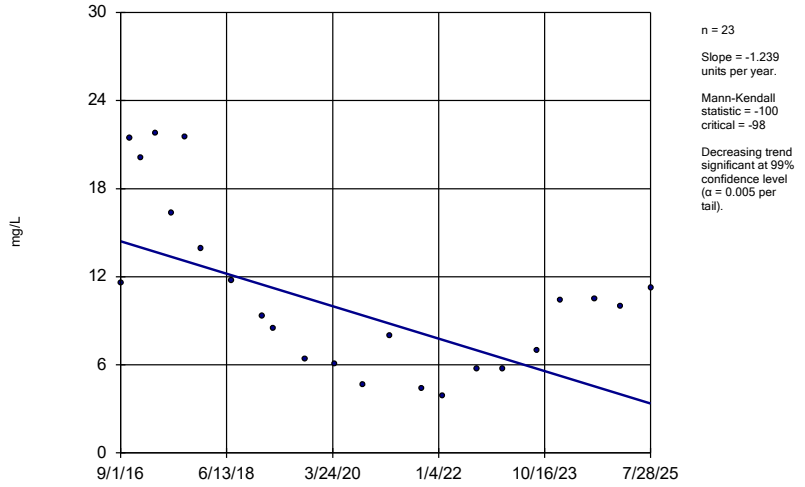
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 23

Slope = -1.239 units per year.

Mann-Kendall statistic = -100
critical = -98

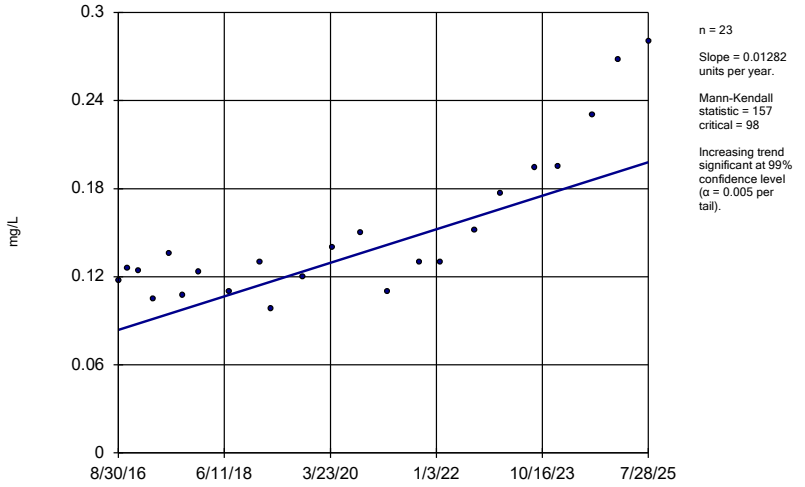
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 23

Slope = 0.01282 units per year.

Mann-Kendall statistic = 157
critical = 98

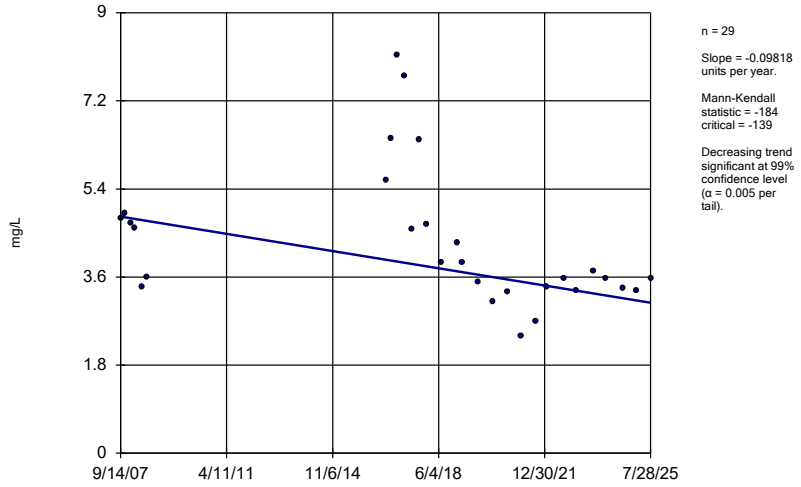
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 29

Slope = -0.09818 units per year.

Mann-Kendall statistic = -184
critical = -139

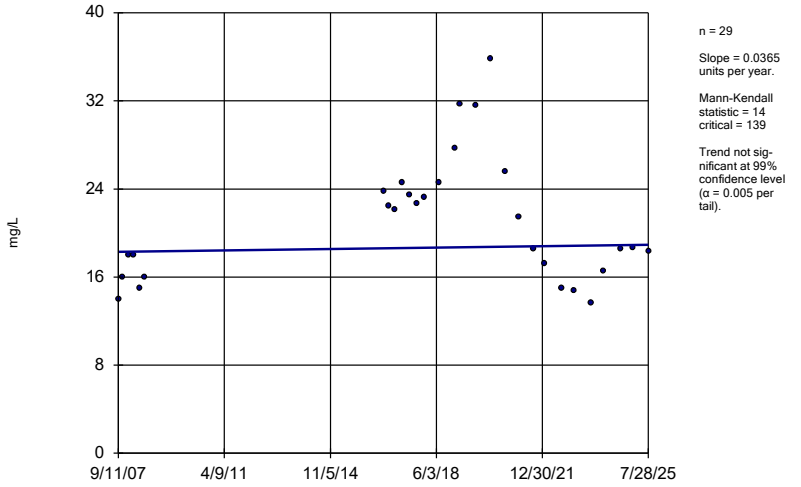
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 29

Slope = 0.0365 units per year.

Mann-Kendall statistic = 14
critical = 139

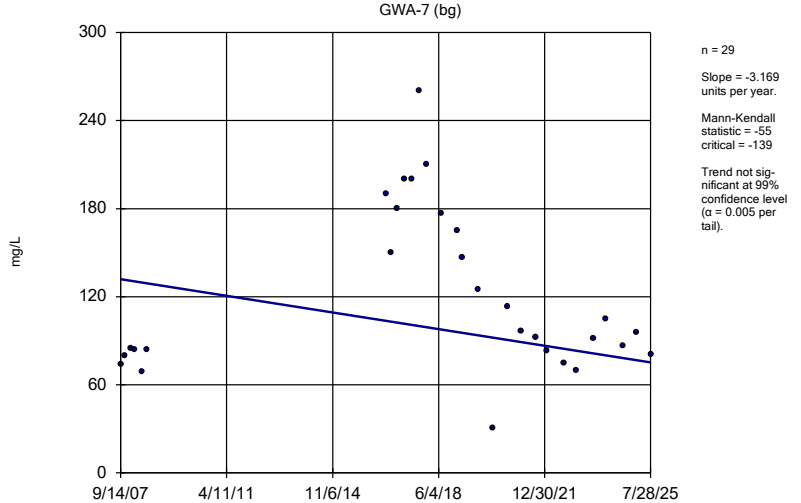
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 29

Slope = -3.169 units per year.

Mann-Kendall statistic = -55
critical = -139

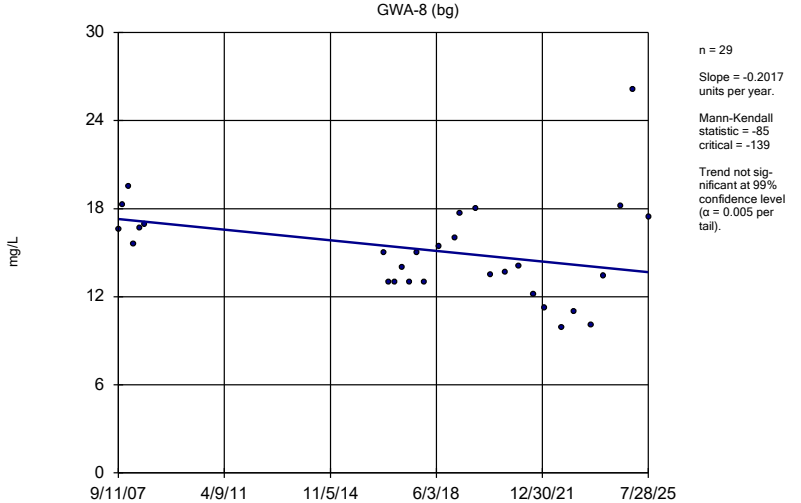
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 29

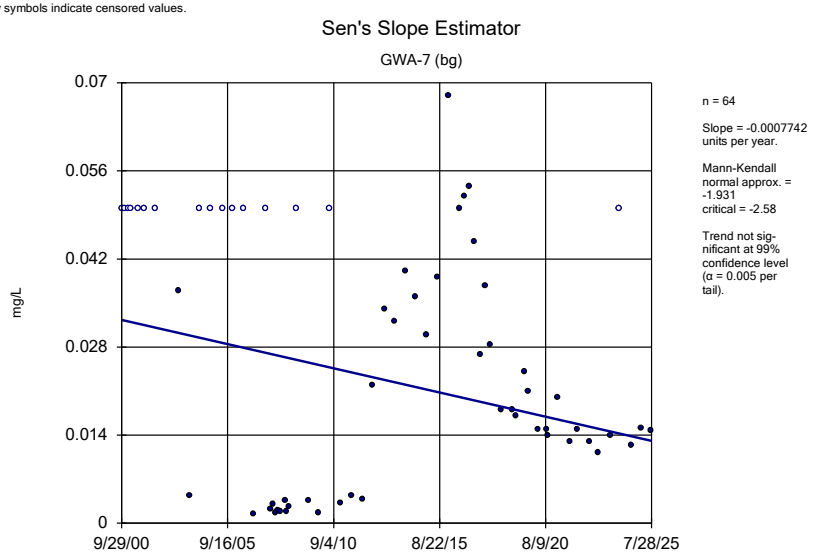
Slope = -0.2017 units per year.

Mann-Kendall statistic = -85
critical = -139

Trend not significant at 99% confidence level (α = 0.005 per tail).

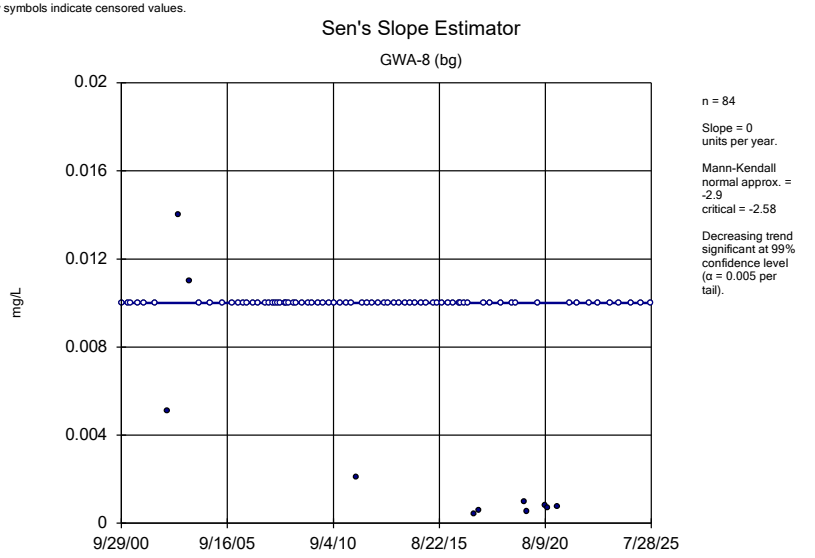
Constituent: Chloride Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



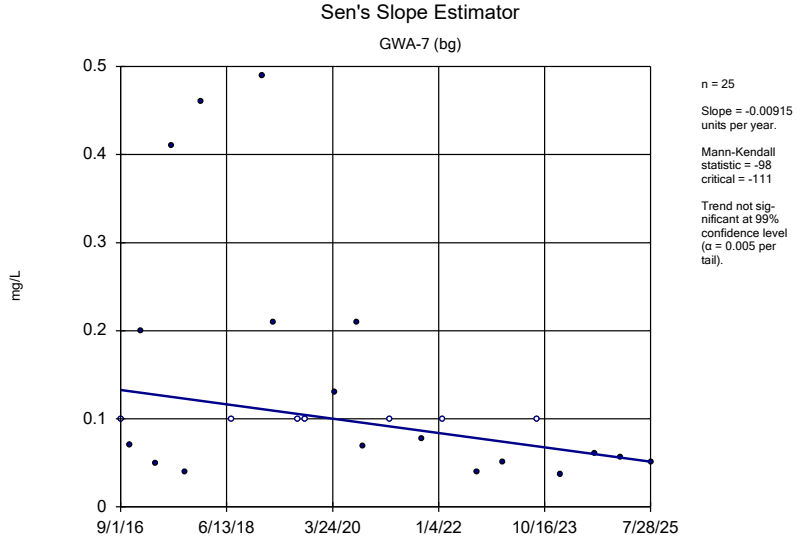
Constituent: Chromium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



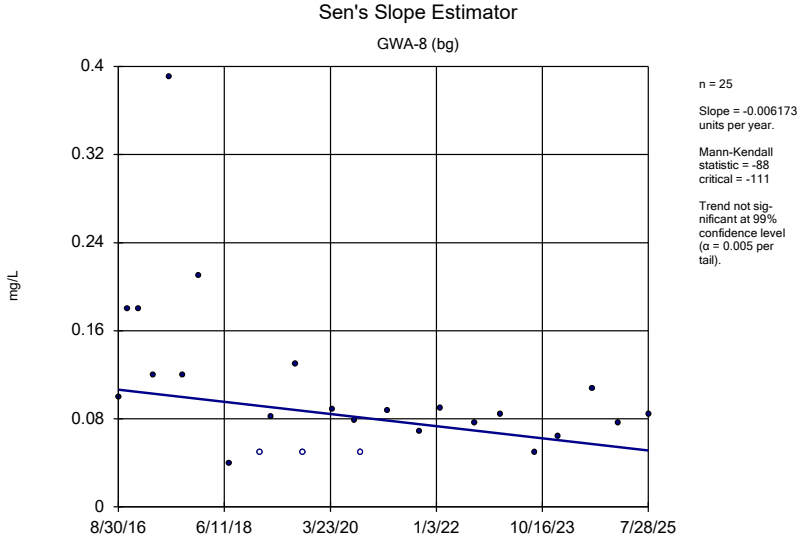
Constituent: Chromium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.



Constituent: Fluoride Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

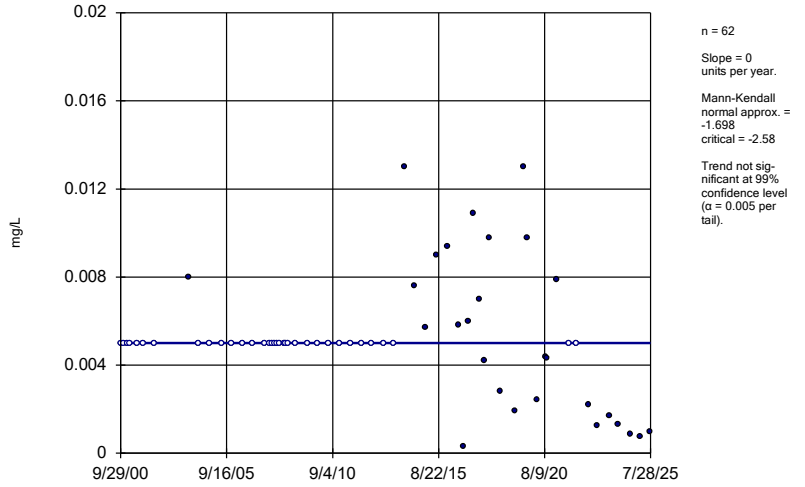


Constituent: Fluoride Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 62

Slope = 0
units per year.

Mann-Kendall
normal approx. =
-1.698
critical = -2.58

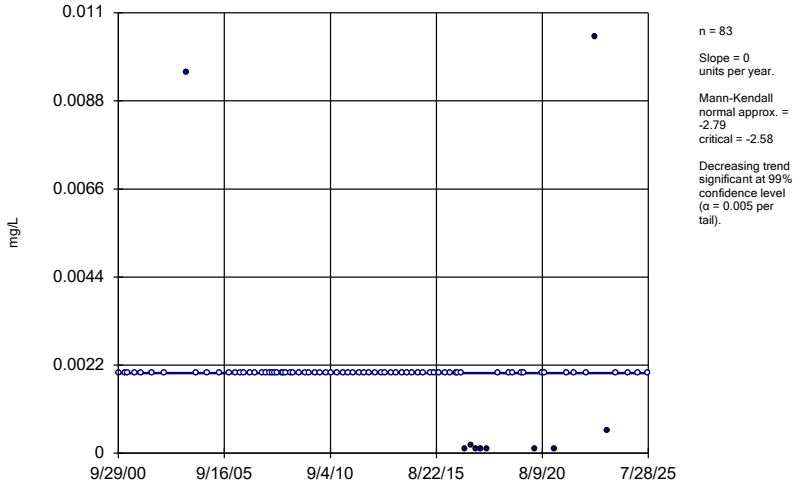
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Lead Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 83

Slope = 0
units per year.

Mann-Kendall
normal approx. =
-2.79
critical = -2.58

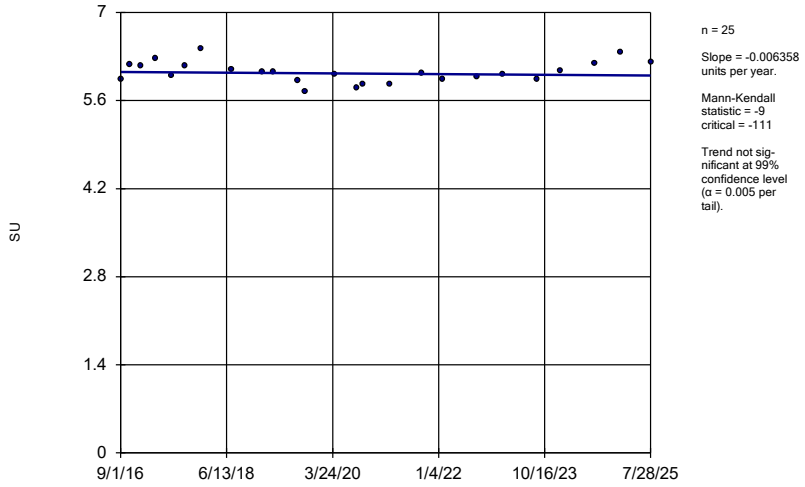
Decreasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Lead Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-7 (bg)



n = 25

Slope = -0.006358
units per year.

Mann-Kendall
statistic = -9
critical = -111

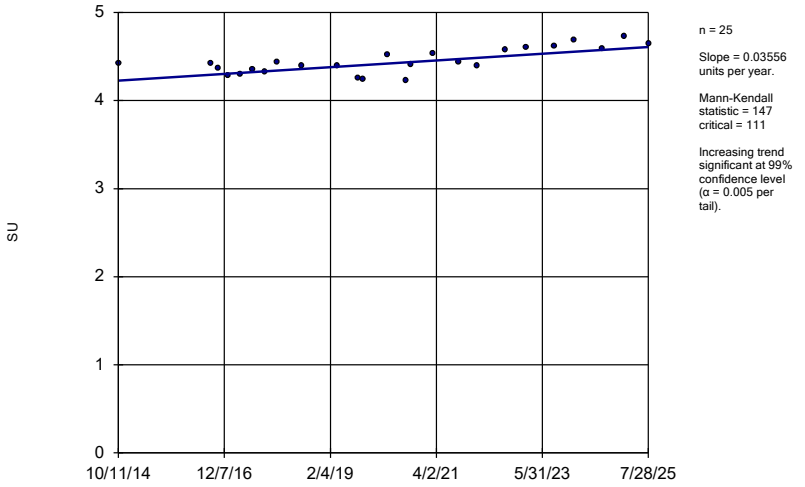
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: pH, Field Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-8 (bg)



n = 25

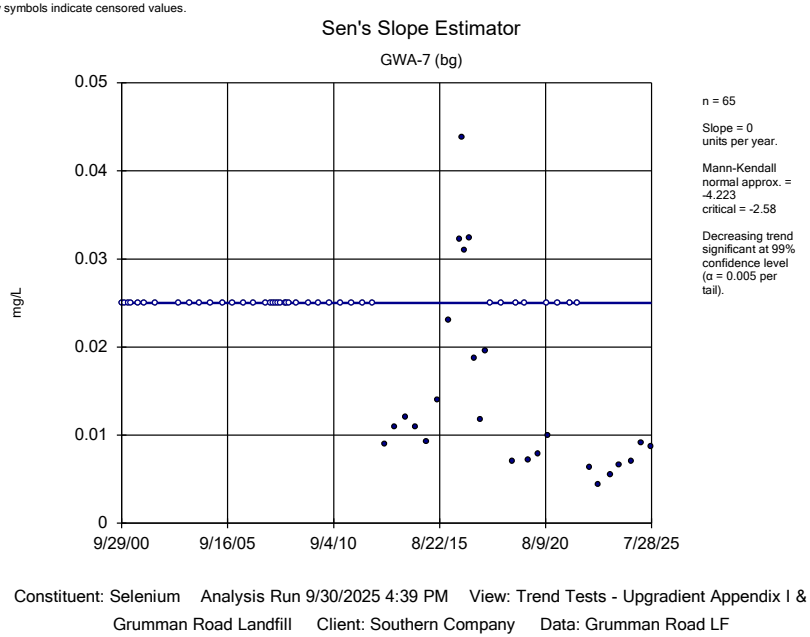
Slope = 0.03556
units per year.

Mann-Kendall
statistic = 147
critical = 111

Increasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

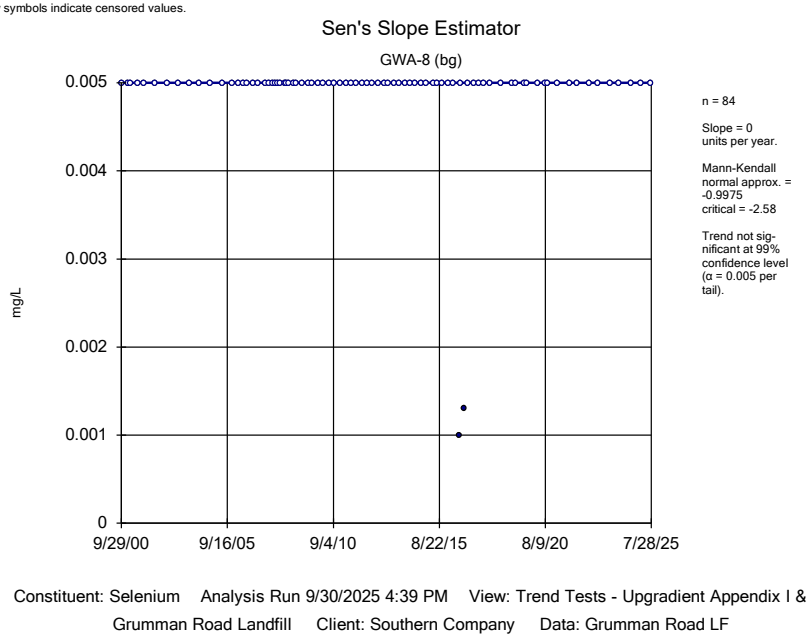
Constituent: pH, Field Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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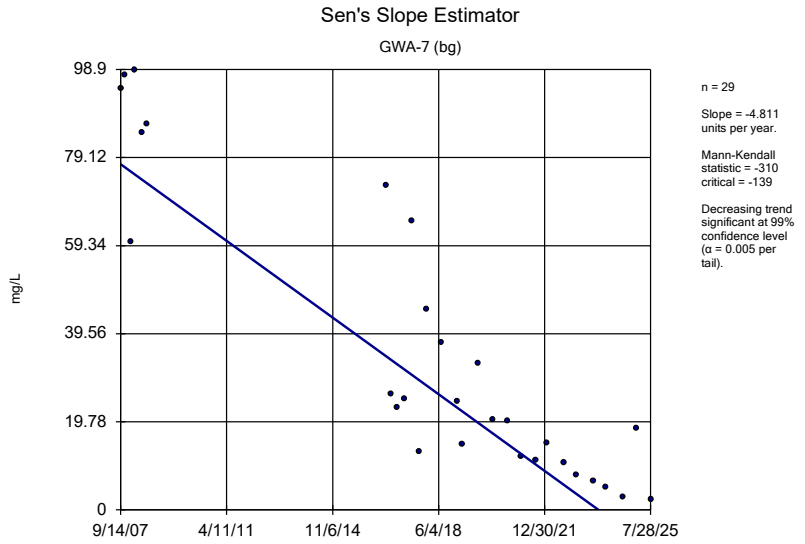
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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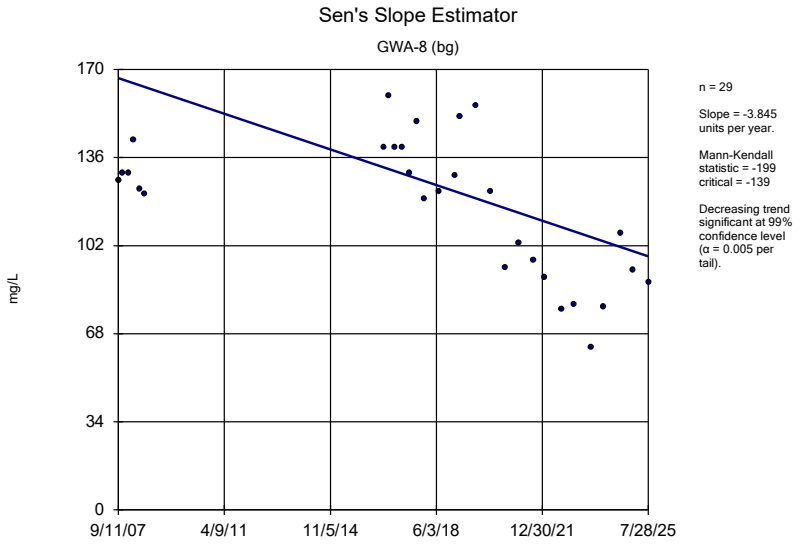
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Constituent: Sulfate Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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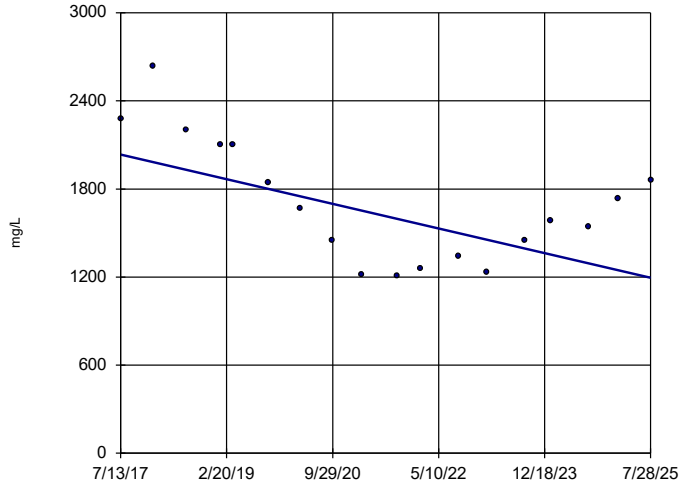


Constituent: Sulfate Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 18

Slope = -104.1 units per year.

Mann-Kendall statistic = -53 critical = -68

Trend not significant at 99% confidence level (α = 0.005 per tail).

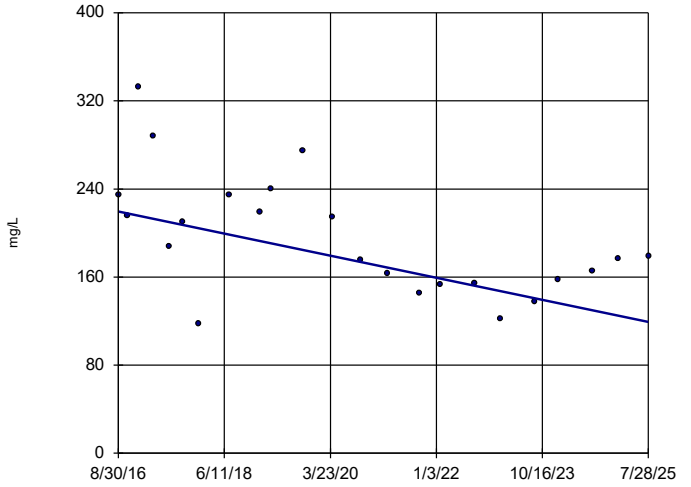
Constituent: TDS Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 23

Slope = -11.23 units per year.

Mann-Kendall statistic = -97 critical = -98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III

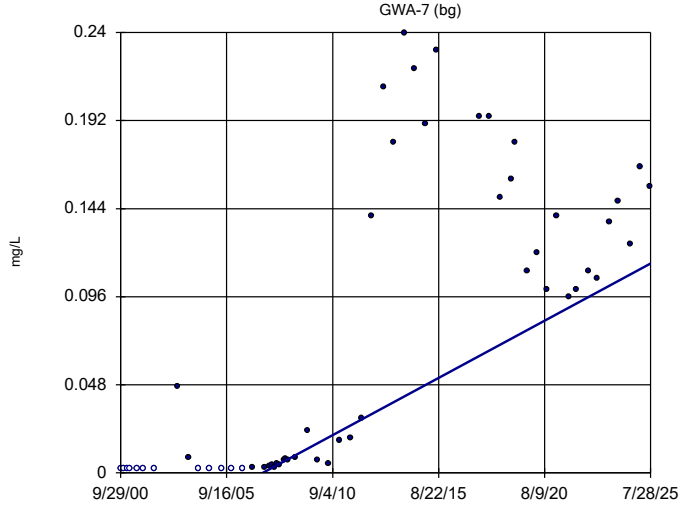
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 56

Slope = 0.006275 units per year.

Mann-Kendall normal approx. = 6.659 critical = 2.58

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Vanadium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III

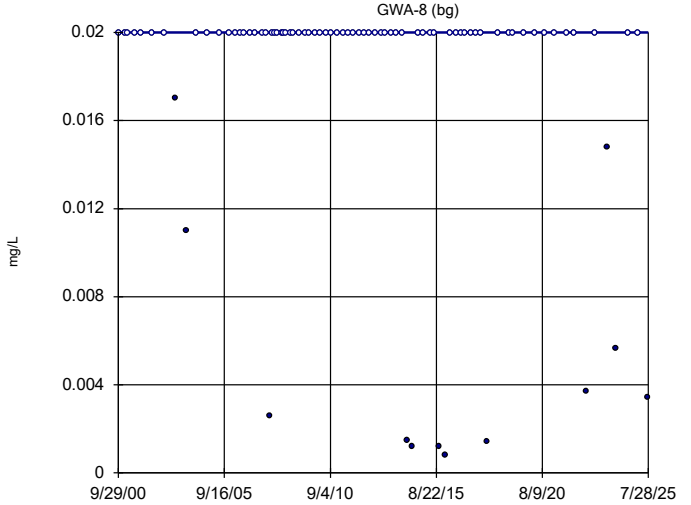
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 81

Slope = 0 units per year.

Mann-Kendall normal approx. = -1.826 critical = -2.58

Trend not significant at 99% confidence level (α = 0.005 per tail).

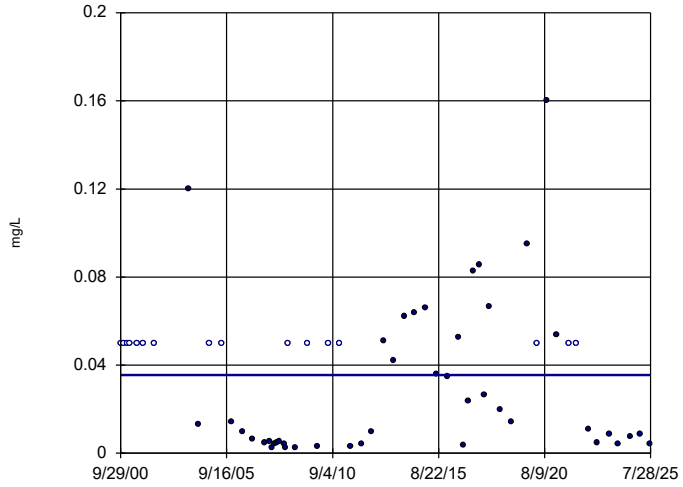
Constituent: Vanadium Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 60

Slope = 0
units per year.

Mann-Kendall
normal approx. =
-0.1869
critical = -2.58

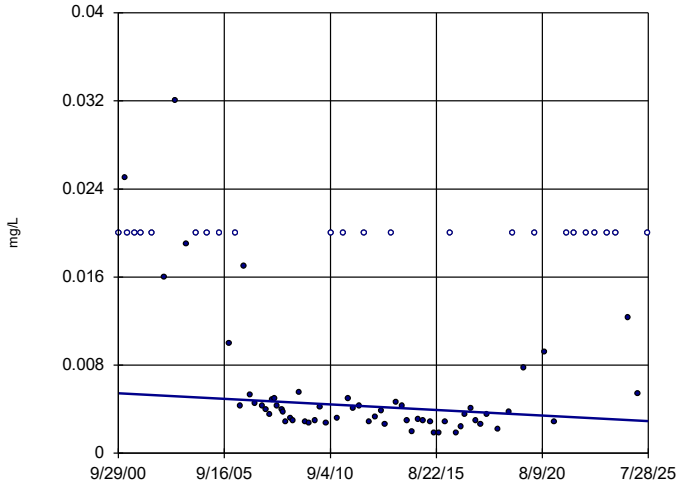
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Zinc Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 81

Slope = -0.0001015
units per year.

Mann-Kendall
normal approx. =
-2.42
critical = -2.58

Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Zinc Analysis Run 9/30/2025 4:39 PM View: Trend Tests - Upgradient Appendix I & III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Appendix I & IV Trend Tests - Upgradient Wells - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:49 PM

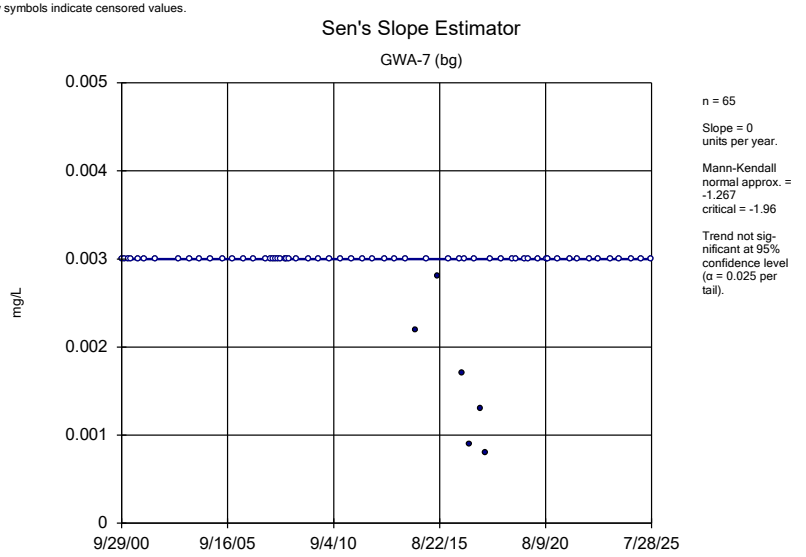
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-1.96**	**Yes**	**65**	**55.38**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-1.96**	**Yes**	**84**	**90.48**	**n/a**	**0.05**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-1.96**	**Yes**	**83**	**0**	**n/a**	**0.05**	**NP**
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-1.96**	**Yes**	**84**	**86.9**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0001226**	**-241**	**-140**	**Yes**	**35**	**48.57**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001785**	**-266**	**-140**	**Yes**	**35**	**57.14**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**GWA-7 (bg)**	**-0.6064**	**-92**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**GWA-7 (bg)**	**-0.00915**	**-98**	**-85**	**Yes**	**25**	**28**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**GWA-8 (bg)**	**-0.006173**	**-88**	**-85**	**Yes**	**25**	**12**	**n/a**	**0.05**	**NP**
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-1.96**	**Yes**	**83**	**87.95**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-1.96**	**Yes**	**65**	**61.54**	**n/a**	**0.05**	**NP**
Zinc (mg/L)	**GWA-8 (bg)**	**-0.0001015**	**-2.42**	**-1.96**	**Yes**	**81**	**28.4**	**n/a**	**0.05**	**NP**

Appendix I & IV Trend Tests - Upgradient Wells - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 4:49 PM

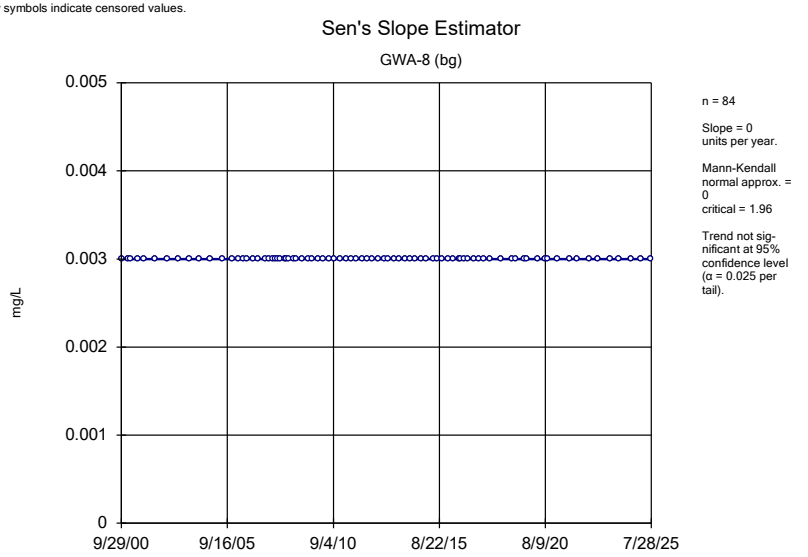
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-7 (bg)	0	-1.267	-1.96	No	65	90.77	n/a	0.05	NP
Antimony (mg/L)	GWA-8 (bg)	0	0	1.96	No	84	100	n/a	0.05	NP
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-1.96**	**Yes**	**65**	**55.38**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-1.96**	**Yes**	**84**	**90.48**	**n/a**	**0.05**	**NP**
Barium (mg/L)	GWA-7 (bg)	0.001286	1.56	1.96	No	64	0	n/a	0.05	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-1.96**	**Yes**	**83**	**0**	**n/a**	**0.05**	**NP**
Beryllium (mg/L)	GWA-7 (bg)	0	-31	-145	No	36	77.78	n/a	0.05	NP
Beryllium (mg/L)	GWA-8 (bg)	0	-137	-140	No	35	51.43	n/a	0.05	NP
Cadmium (mg/L)	GWA-7 (bg)	0	15	140	No	35	94.29	n/a	0.05	NP
Cadmium (mg/L)	GWA-8 (bg)	0	0	134	No	34	100	n/a	0.05	NP
Chromium (mg/L)	GWA-7 (bg)	-0.0007742	-1.931	-1.96	No	64	25	n/a	0.05	NP
Chromium (mg/L)	**GWA-8 (bg)**	**0**	**-2.9**	**-1.96**	**Yes**	**84**	**86.9**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0001226**	**-241**	**-140**	**Yes**	**35**	**48.57**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001785**	**-266**	**-140**	**Yes**	**35**	**57.14**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	**GWA-7 (bg)**	**-0.6064**	**-92**	**-62**	**Yes**	**20**	**0**	**n/a**	**0.05**	**NP**
Combined Radium 226 + 228 (pCi/L)	GWA-8 (bg)	0.02466	18	76	No	23	0	n/a	0.05	NP
Fluoride (mg/L)	**GWA-7 (bg)**	**-0.00915**	**-98**	**-85**	**Yes**	**25**	**28**	**n/a**	**0.05**	**NP**
Fluoride (mg/L)	**GWA-8 (bg)**	**-0.006173**	**-88**	**-85**	**Yes**	**25**	**12**	**n/a**	**0.05**	**NP**
Lead (mg/L)	GWA-7 (bg)	0	-1.698	-1.96	No	62	54.84	n/a	0.05	NP
Lead (mg/L)	**GWA-8 (bg)**	**0**	**-2.79**	**-1.96**	**Yes**	**83**	**87.95**	**n/a**	**0.05**	**NP**
Lithium (mg/L)	GWA-7 (bg)	0	0	76	No	23	100	n/a	0.05	NP
Lithium (mg/L)	GWA-8 (bg)	0	-8	-76	No	23	60.87	n/a	0.05	NP
Mercury (mg/L)	GWA-7 (bg)	0	37	62	No	20	80	n/a	0.05	NP
Mercury (mg/L)	GWA-8 (bg)	0	-3	-62	No	20	95	n/a	0.05	NP
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWA-8 (bg)	0	0	76	No	23	100	n/a	0.05	NP
Selenium (mg/L)	**GWA-7 (bg)**	**0**	**-4.223**	**-1.96**	**Yes**	**65**	**61.54**	**n/a**	**0.05**	**NP**
Selenium (mg/L)	GWA-8 (bg)	0	-0.9975	-1.96	No	84	97.62	n/a	0.05	NP
Thallium (mg/L)	GWA-7 (bg)	0	6	164	No	39	97.44	n/a	0.05	NP
Thallium (mg/L)	GWA-8 (bg)	0	-0.5002	-1.96	No	41	92.68	n/a	0.05	NP
Zinc (mg/L)	GWA-7 (bg)	0	-0.1869	-1.96	No	60	26.67	n/a	0.05	NP
Zinc (mg/L)	**GWA-8 (bg)**	**-0.0001015**	**-2.42**	**-1.96**	**Yes**	**81**	**28.4**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.



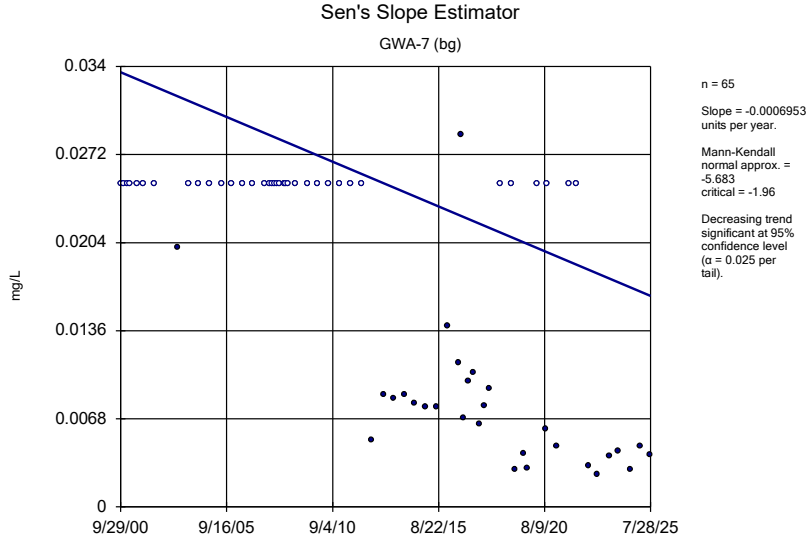
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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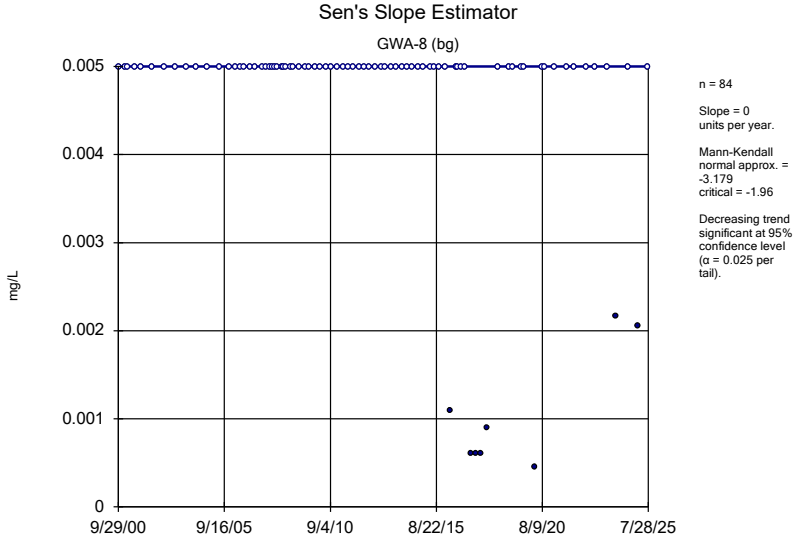
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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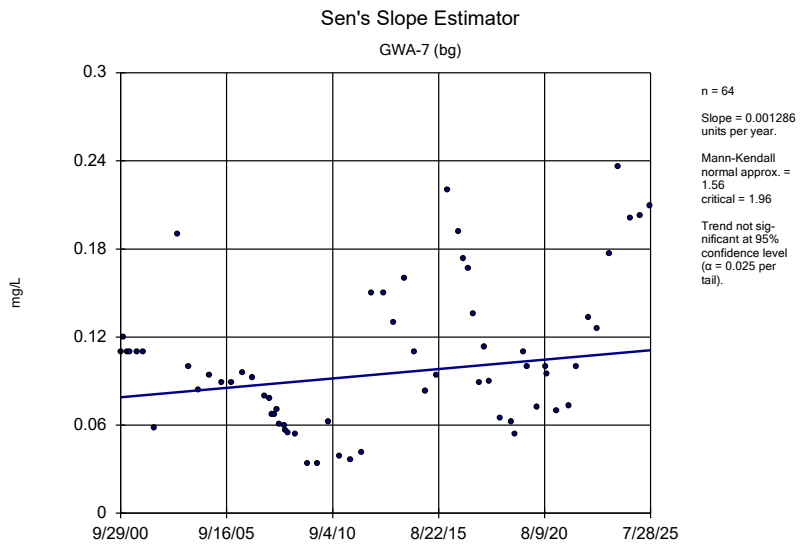
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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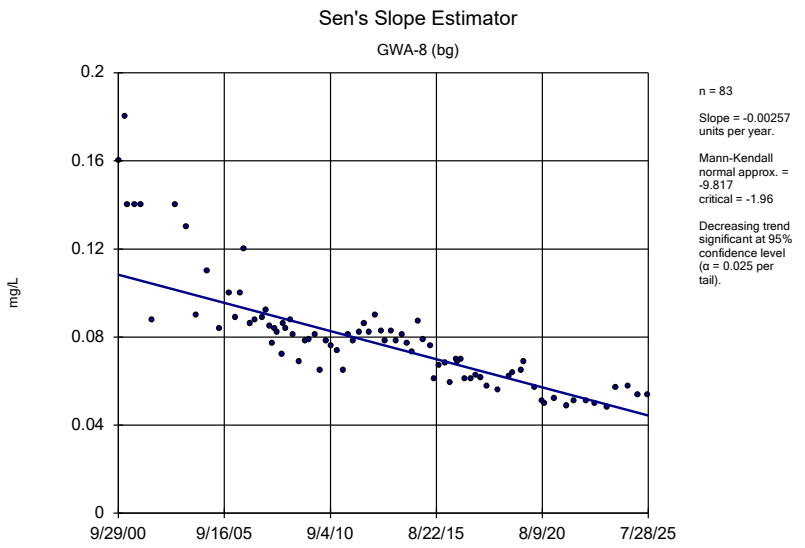
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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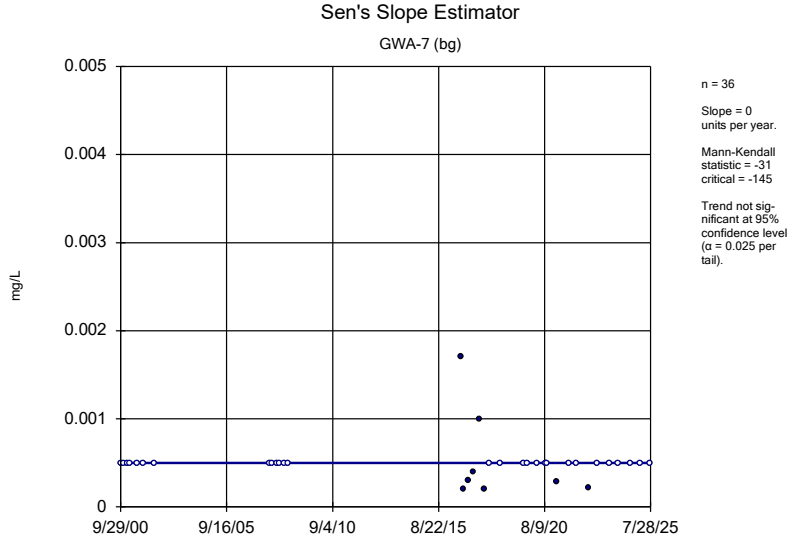
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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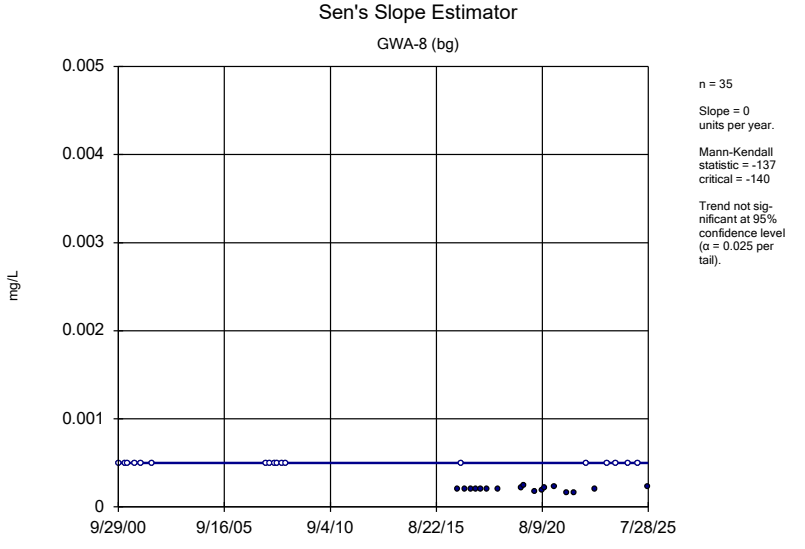
Constituent: Barium Analysis Run 9/30/2025 4:45 PM View: Trend Tests - Upgradient Wells Appendix I & I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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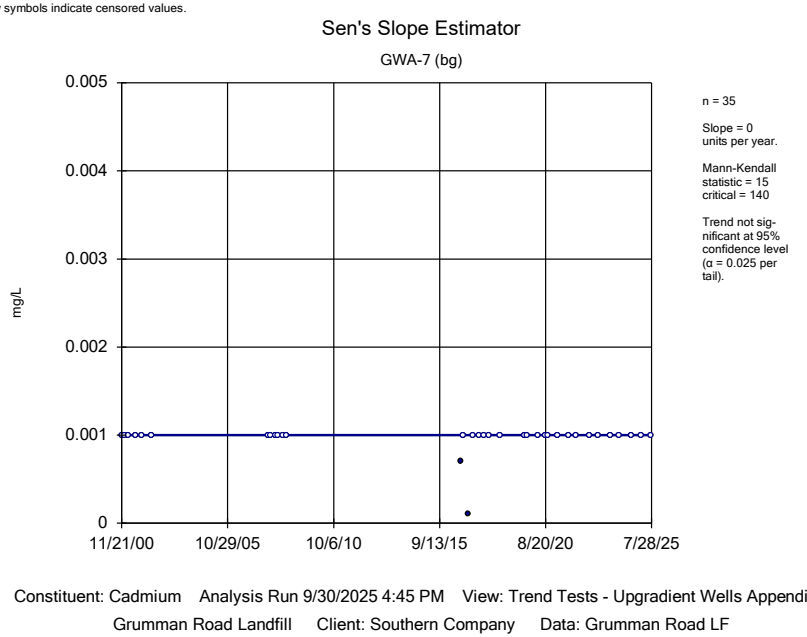
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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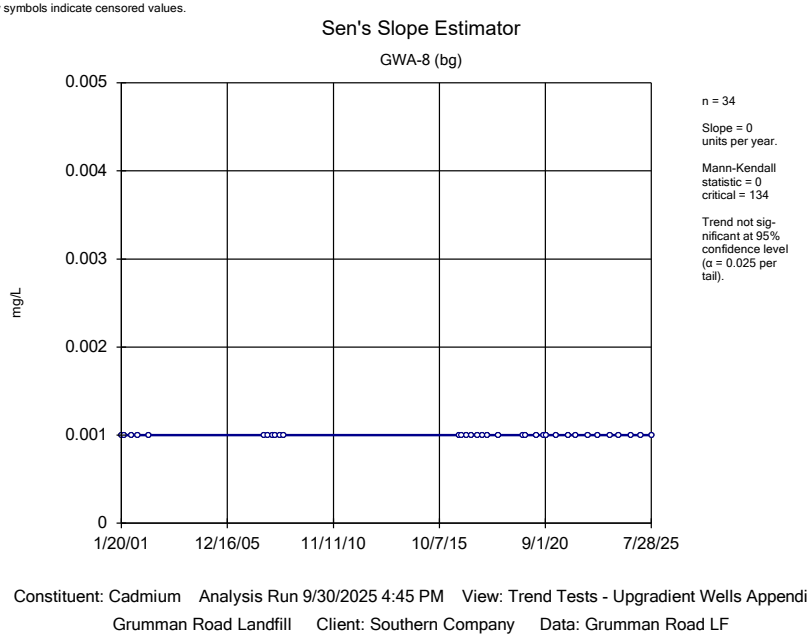
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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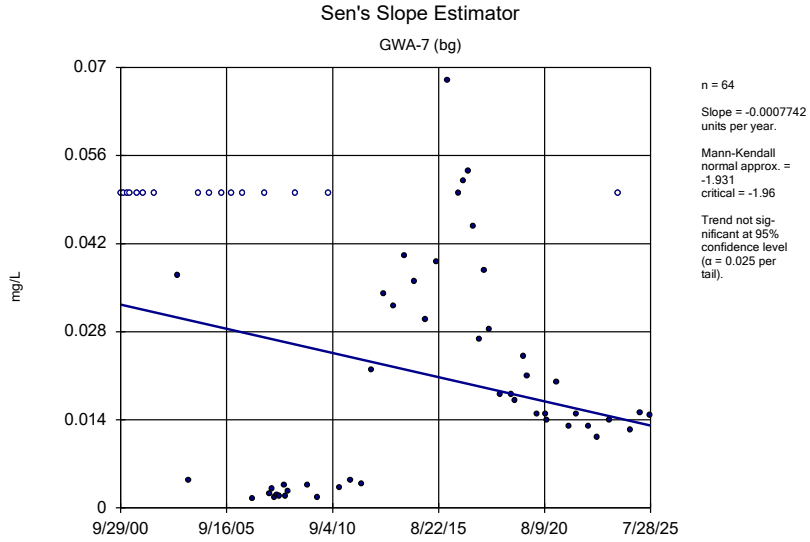
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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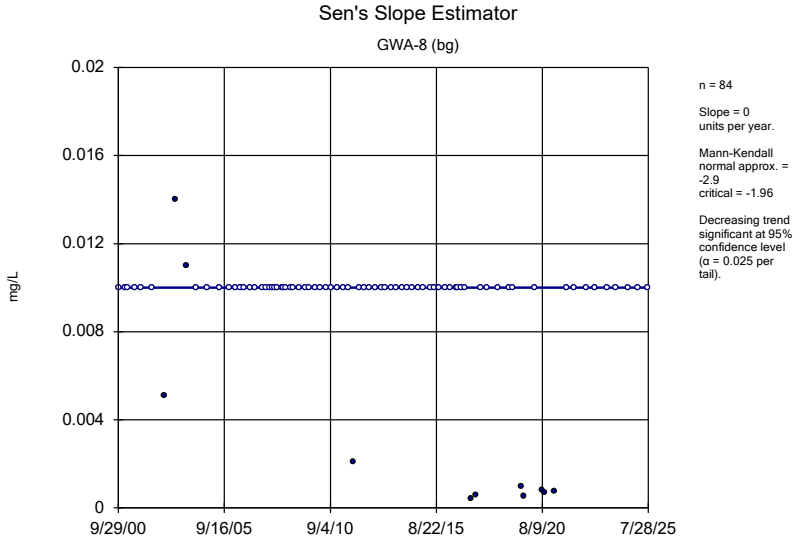
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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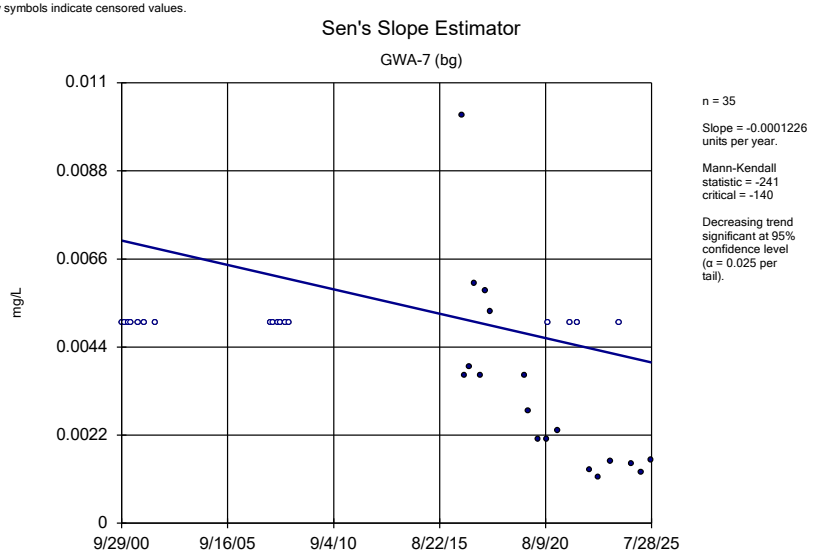
Constituent: Chromium Analysis Run 9/30/2025 4:45 PM View: Trend Tests - Upgradient Wells Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.



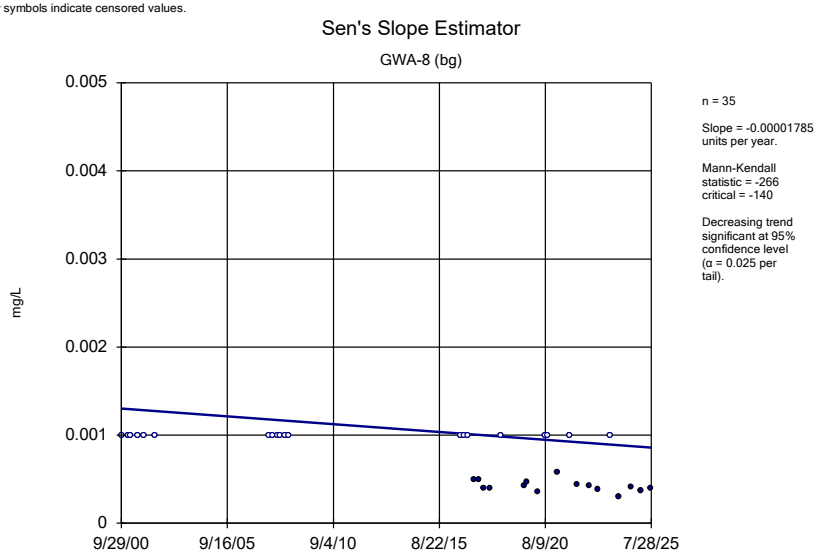
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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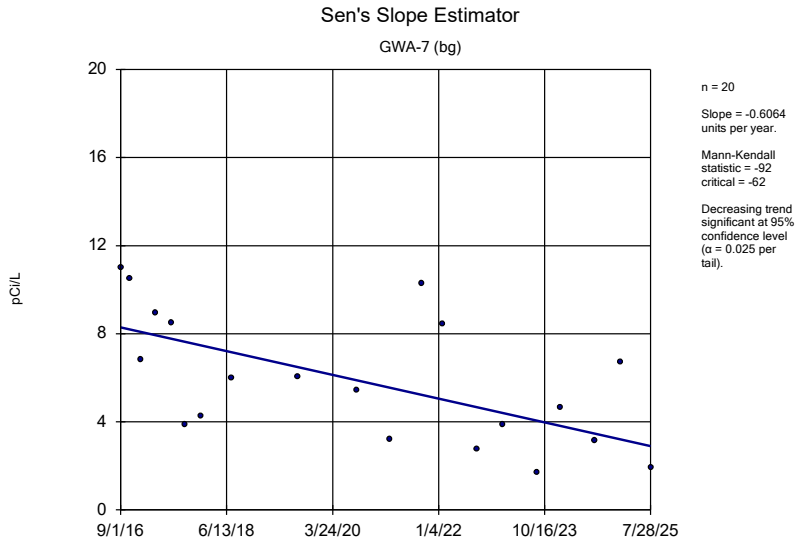
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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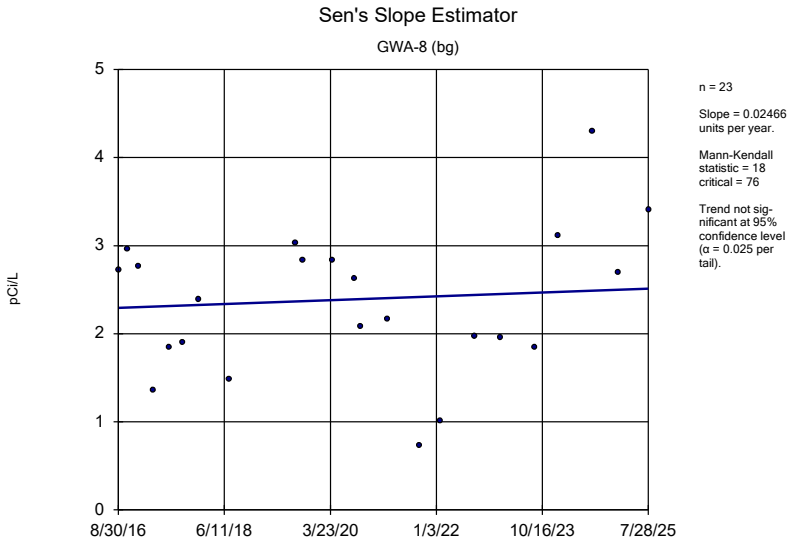
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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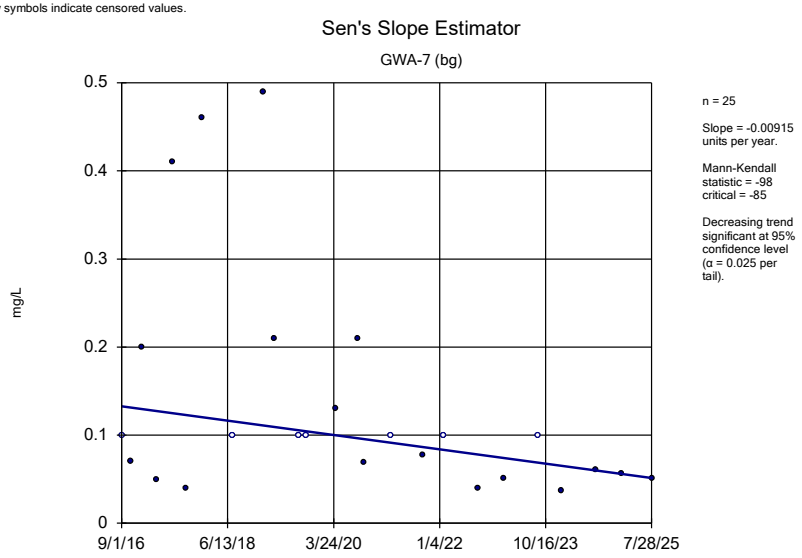
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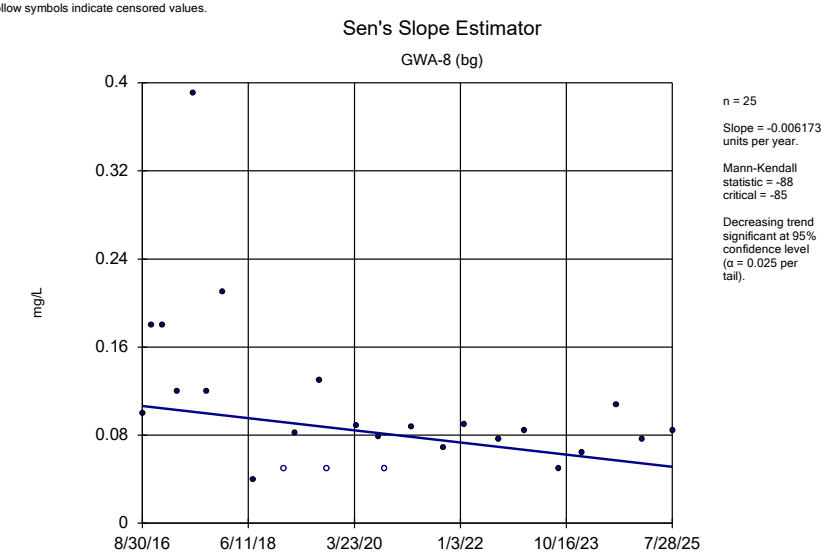
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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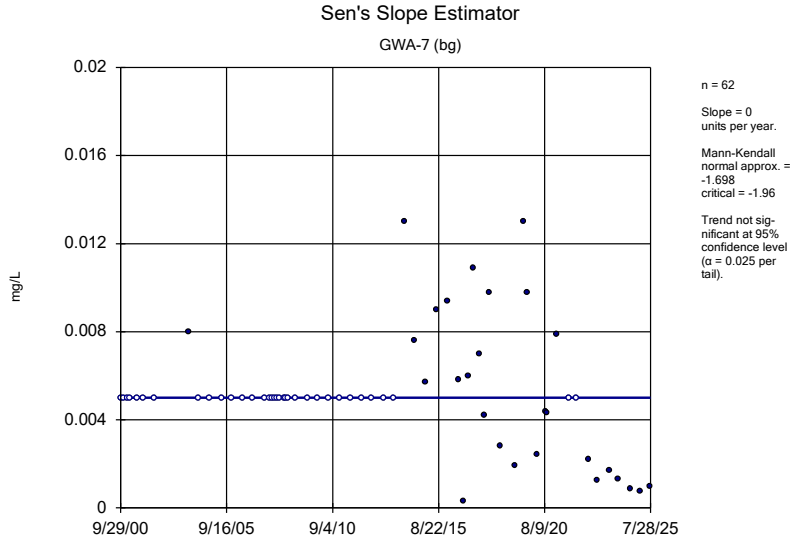
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Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
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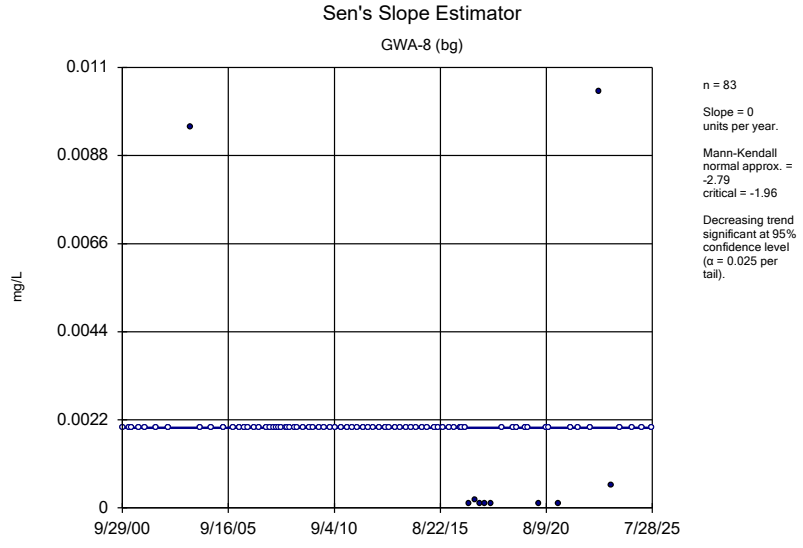
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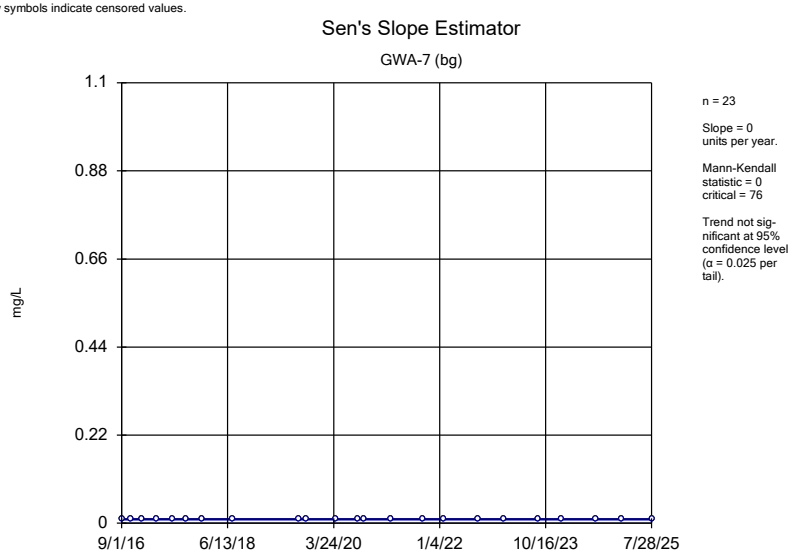
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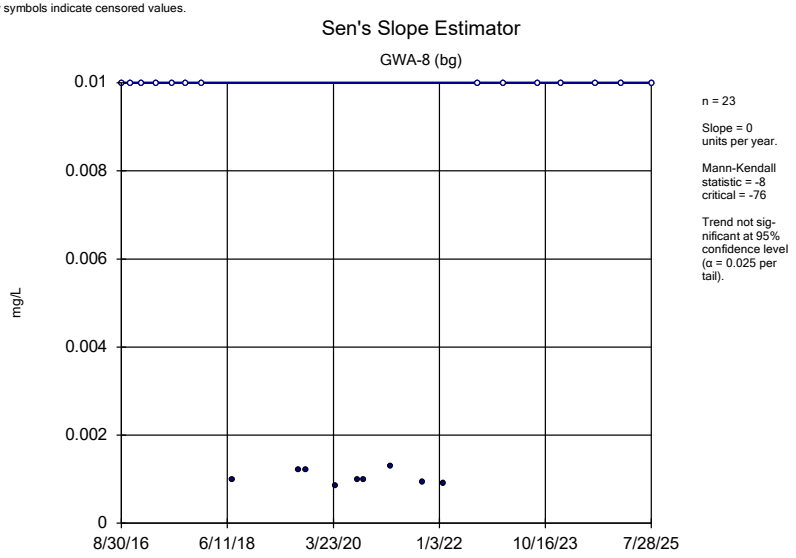
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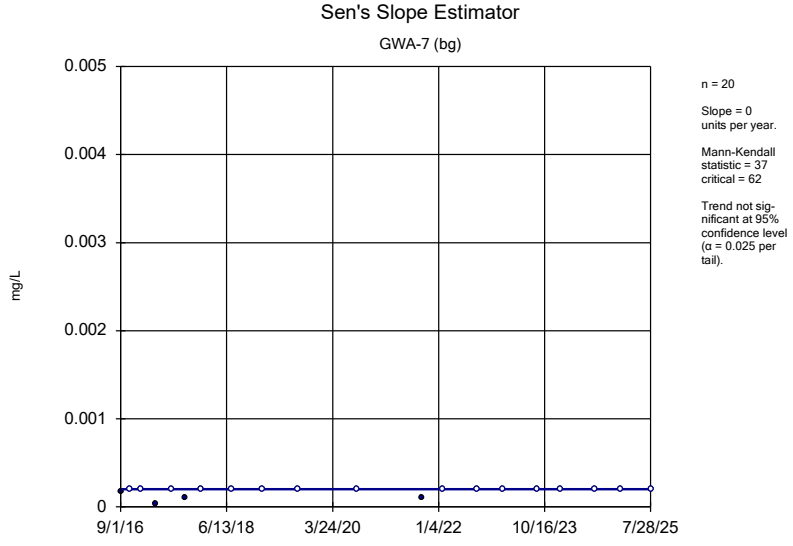
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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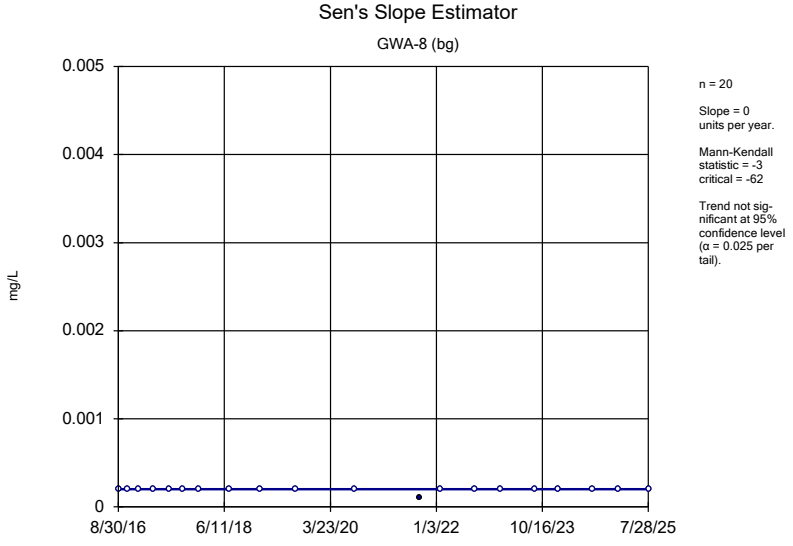
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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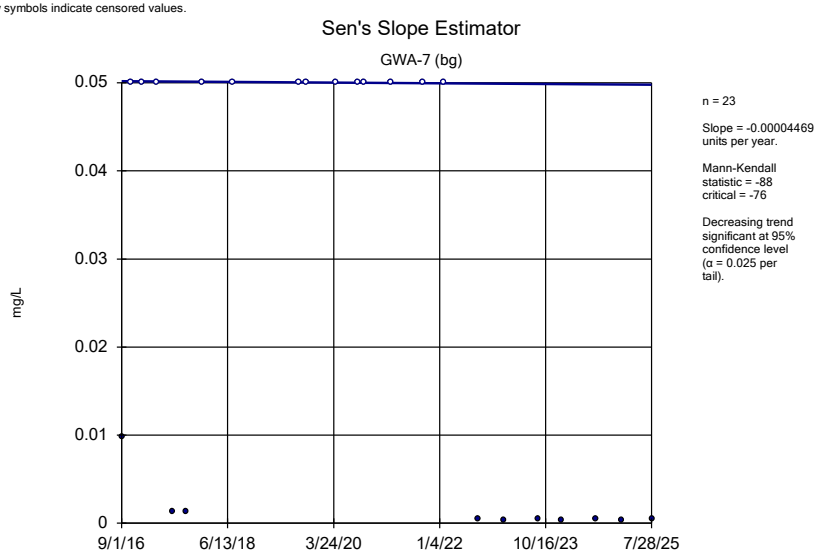
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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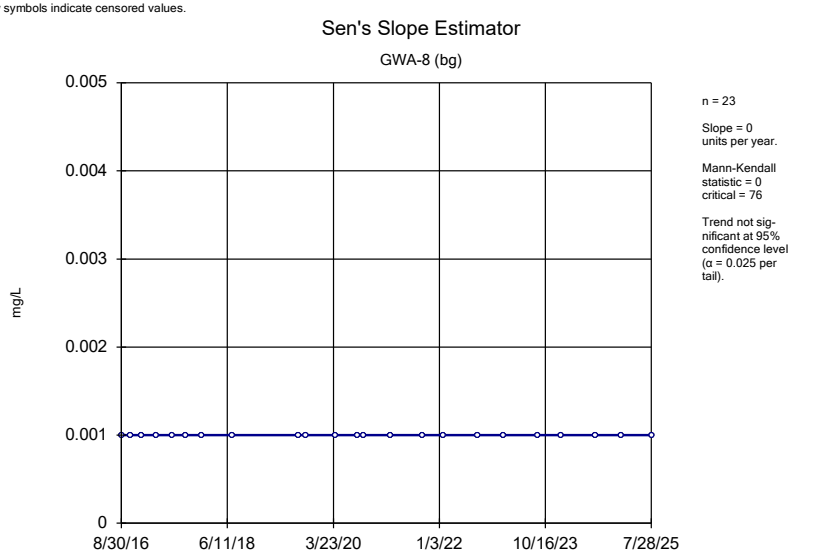
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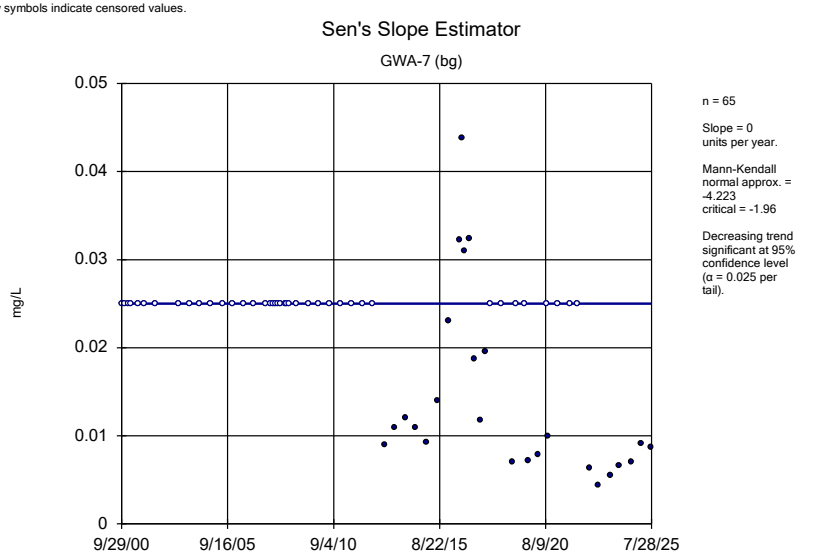
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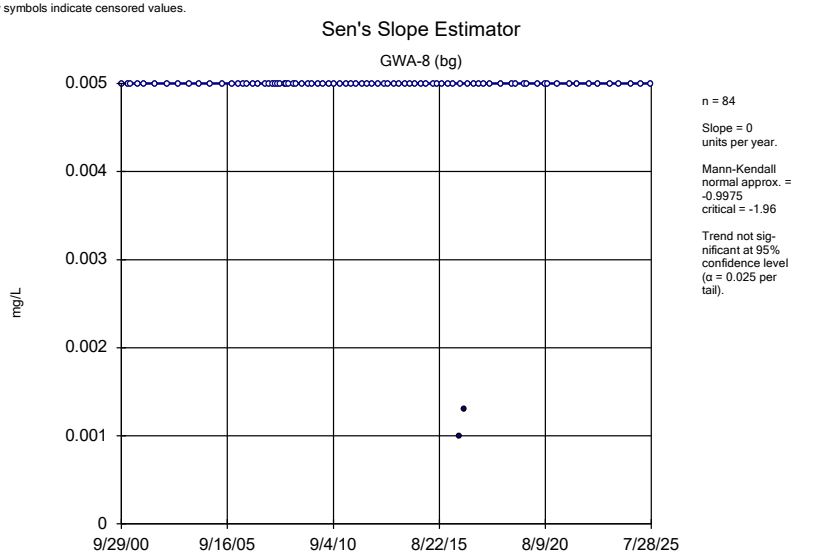
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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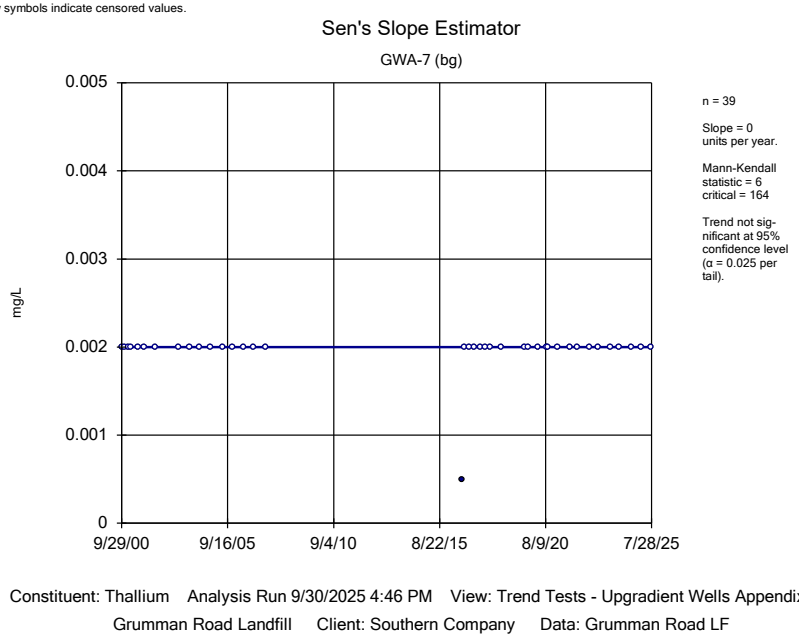
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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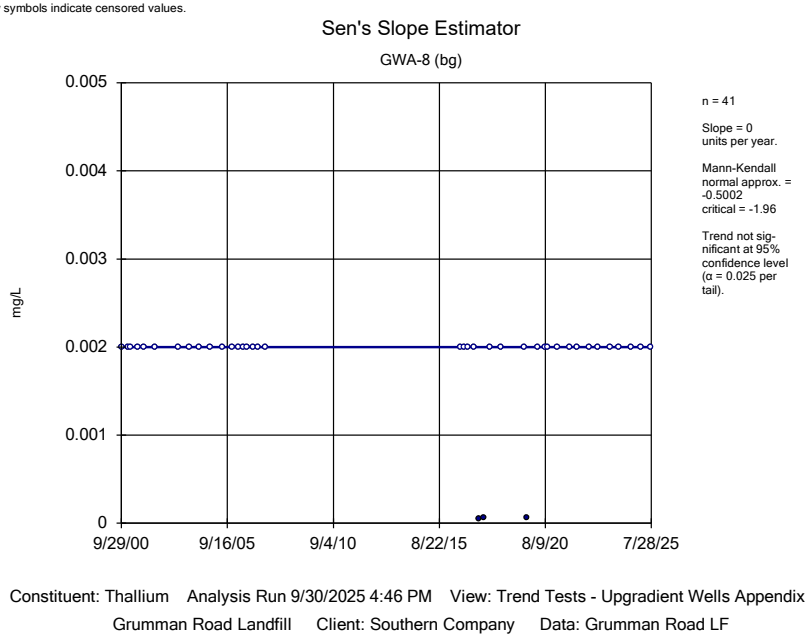
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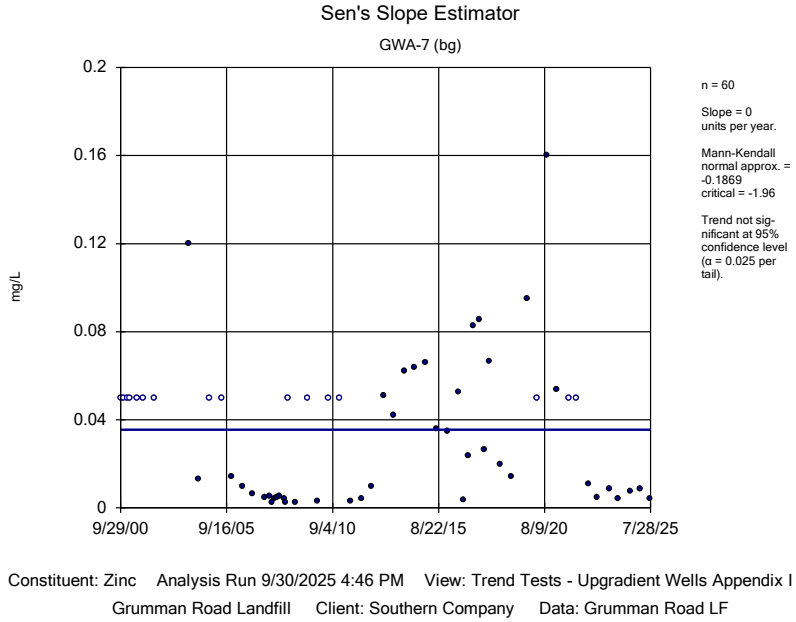
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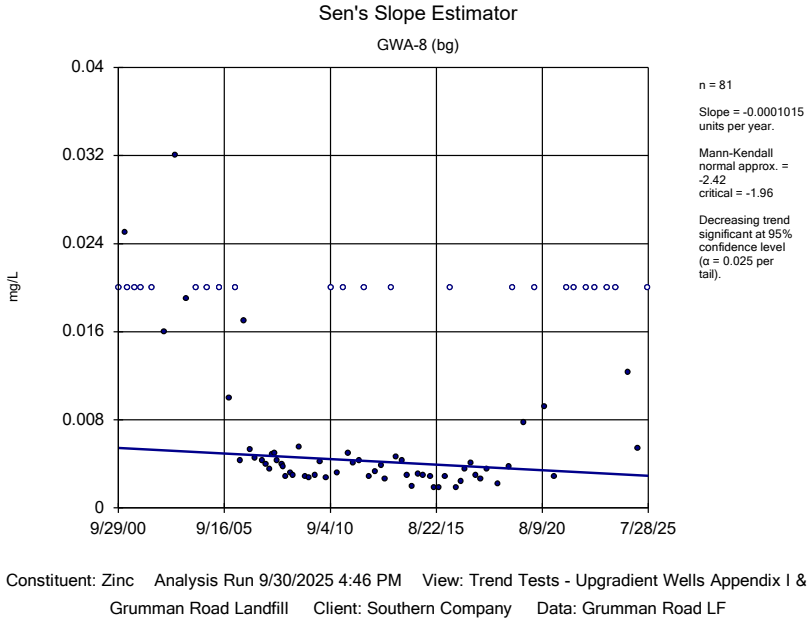
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Constituent: Zinc Analysis Run 9/30/2025 4:46 PM View: Trend Tests - Upgradient Wells Appendix I & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.



Constituent: Zinc Analysis Run 9/30/2025 4:46 PM View: Trend Tests - Upgradient Wells Appendix I & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE E.

Appendix I Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**7/30/2025**	**0.325**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**7/30/2025**	**0.17**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**7/29/2025**	**0.186**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**7/29/2025**	**0.297**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009114**	**NP Inter (normality) 1 of 2**

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	n/a	7/28/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-5R	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-6R	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-1	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-2	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-12	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-15	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-16	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-17	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-20	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-21	0.003	n/a	7/30/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-22	0.003	n/a	7/29/2025	0.003ND	No	149	n/a	n/a	95.97	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-4R	0.0287	n/a	7/28/2025	0.00507	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-5R	0.0287	n/a	7/30/2025	0.00227J	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-6R	0.0287	n/a	7/29/2025	0.00474J	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-1	0.0287	n/a	7/29/2025	0.00906	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-2	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.0287	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-12	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-13	0.0287	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-14	0.0287	n/a	7/30/2025	0.00239J	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**7/30/2025**	**0.325**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**7/30/2025**	**0.17**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-17	0.0287	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**7/29/2025**	**0.186**	**Yes**	**149**	**n/a**	**n/a**	**75.17**	**n/a**	**n/a**	**0.00008885**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-21	0.0287	n/a	7/30/2025	0.028	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-22	0.0287	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	75.17	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWB-4R	0.236	n/a	7/28/2025	0.202	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-5R	0.236	n/a	7/30/2025	0.129	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-6R	0.236	n/a	7/29/2025	0.0207	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-1	0.236	n/a	7/29/2025	0.0467	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-2	0.236	n/a	7/30/2025	0.0484	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-9	0.236	n/a	7/30/2025	0.173	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-11	0.236	n/a	7/29/2025	0.111	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-12	0.236	n/a	7/30/2025	0.019	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-13	0.236	n/a	7/30/2025	0.0564	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-14	0.236	n/a	7/30/2025	0.0931	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-15	0.236	n/a	7/30/2025	0.0553	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-16	0.236	n/a	7/30/2025	0.105	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-17	0.236	n/a	7/29/2025	0.0311	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**7/29/2025**	**0.297**	**Yes**	**147**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00009114**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	GWC-21	0.236	n/a	7/30/2025	0.172	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-22	0.236	n/a	7/29/2025	0.199	No	147	n/a	n/a	0	n/a	n/a	0.00009114	NP Inter (normality) 1 of 2
Chromium (mg/L)	GWB-4R	0.068	n/a	7/28/2025	0.00648J	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-5R	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-6R	0.068	n/a	7/29/2025	0.00477J	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-1	0.068	n/a	7/29/2025	0.0032J	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-2	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-12	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-13	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-14	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-15	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-16	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-17	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.068	n/a	7/30/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.068	n/a	7/29/2025	0.01ND	No	148	n/a	n/a	60.14	n/a	n/a	0.00008999	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-4R	0.013	n/a	7/28/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-5R	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-6R	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-1	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-2	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-9	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-12	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-14	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-15	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-16	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-17	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.013	n/a	7/30/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.013	n/a	7/29/2025	0.002ND	No	145	n/a	n/a	73.79	n/a	n/a	0.00009343	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-4R	0.0438	n/a	7/28/2025	0.00415J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-5R	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-6R	0.0438	n/a	7/29/2025	0.00255J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-1	0.0438	n/a	7/29/2025	0.00202J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-2	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.0438	n/a	7/29/2025	0.00252J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-12	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-14	0.0438	n/a	7/30/2025	0.00432J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-15	0.0438	n/a	7/30/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-16	0.0438	n/a	7/30/2025	0.00347J	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-17	0.0438	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-20	0.0438	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.0438	n/a	7/30/2025	0.00521	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.0438	n/a	7/29/2025	0.005ND	No	149	n/a	n/a	81.88	n/a	n/a	0.00008885	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-4R	0.24	n/a	7/28/2025	0.0278	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-5R	0.24	n/a	7/30/2025	0.00844J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-6R	0.24	n/a	7/29/2025	0.0285	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.24	n/a	7/29/2025	0.00673J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-2	0.24	n/a	7/30/2025	0.00539J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.24	n/a	7/30/2025	0.00373J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.24	n/a	7/29/2025	0.00404J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.24	n/a	7/30/2025	0.0107J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.24	n/a	7/30/2025	0.00332J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.24	n/a	7/30/2025	0.00867J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-15	0.24	n/a	7/30/2025	0.00438J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-16	0.24	n/a	7/30/2025	0.00574J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.24	n/a	7/29/2025	0.00465J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-20	0.24	n/a	7/29/2025	0.00636J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.24	n/a	7/30/2025	0.00587J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-22	0.24	n/a	7/29/2025	0.00665J	No	137	n/a	n/a	59.12	n/a	n/a	0.0001044	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:13 PM

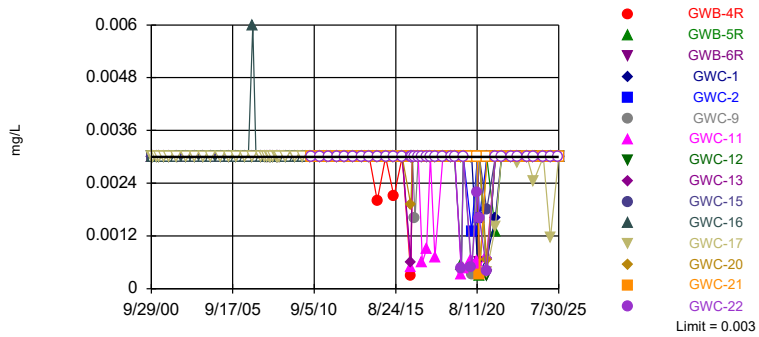
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWB-4R	0.16	n/a	7/28/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-5R	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-6R	0.16	n/a	7/29/2025	0.0152J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.16	n/a	7/29/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.16	n/a	7/29/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-13	0.16	n/a	7/30/2025	0.0151J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-14	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-15	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-16	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-17	0.16	n/a	7/29/2025	0.0063J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.16	n/a	7/29/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-21	0.16	n/a	7/30/2025	0.02ND	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.16	n/a	7/29/2025	0.0173J	No	141	n/a	n/a	27.66	n/a	n/a	0.00009801	NP Inter (normality) 1 of 2

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 149 background values. 95.97% NDs. Annual per-constituent alpha = 0.002839. Individual comparison alpha = 0.00008885 (1 of 2). Comparing 15 points to limit. Assumes 1 future value.

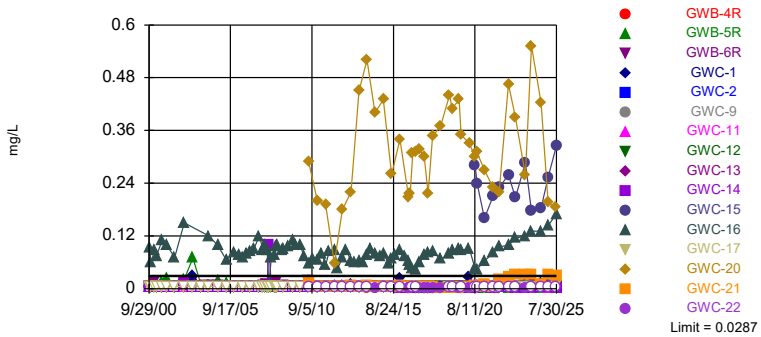
Constituent: Antimony Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Exceeds Limit: GWC-15, GWC-16, GWC-20

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 149 background values. 75.17% NDs. Annual per-constituent alpha = 0.002839. Individual comparison alpha = 0.00008885 (1 of 2). Comparing 16 points to limit.

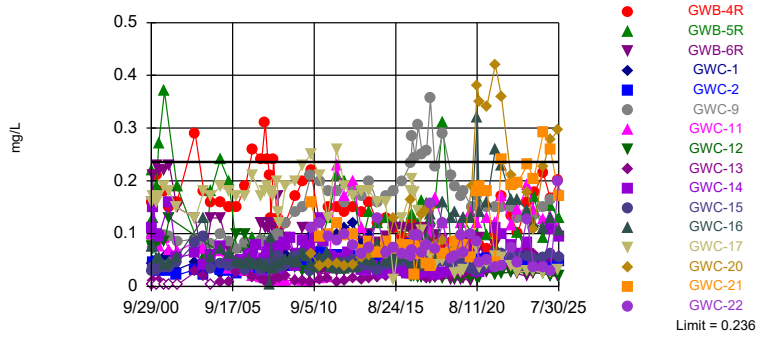
Constituent: Arsenic Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Exceeds Limit: GWC-20

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 147 background values. Annual per-constituent alpha = 0.002912. Individual comparison alpha = 0.00009114 (1 of 2). Comparing 16 points to limit.

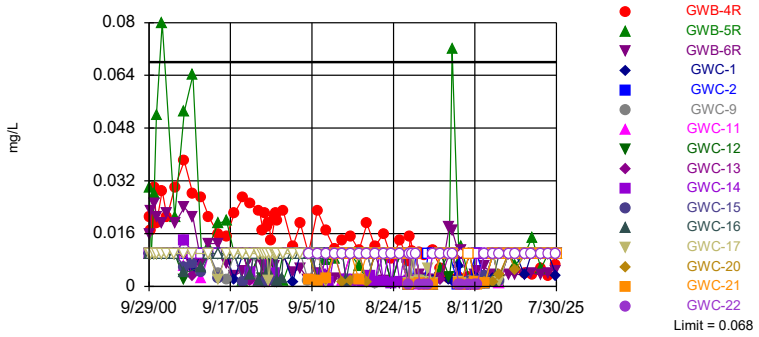
Constituent: Barium Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 148 background values. 60.14% NDs. Annual per-constituent alpha = 0.002876. Individual comparison alpha = 0.00008999 (1 of 2). Comparing 16 points to limit.

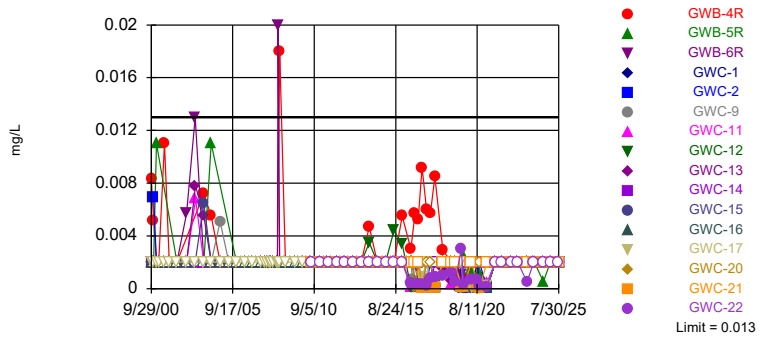
Constituent: Chromium Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 145 background values. 73.79% NDs. Annual per-constituent alpha = 0.002985. Individual comparison alpha = 0.00009343 (1 of 2). Comparing 16 points to limit.

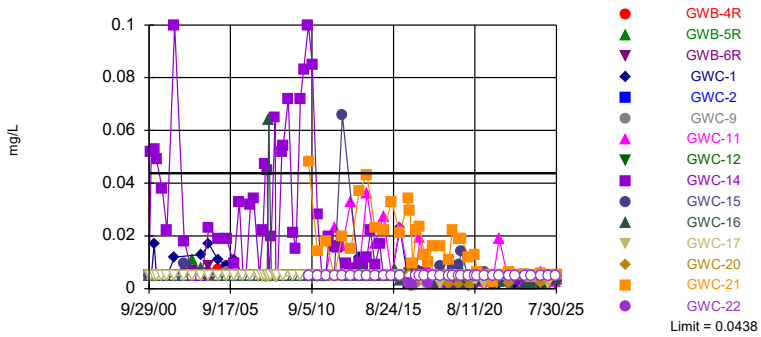
Constituent: Lead Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 149 background values. 81.88% NDs. Annual per-constituent alpha = 0.002839. Individual comparison alpha = 0.00008885 (1 of 2). Comparing 15 points to limit. Assumes 1 future value.

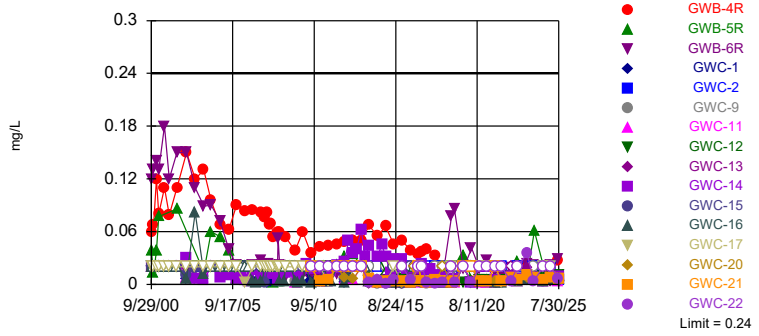
Constituent: Selenium Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 137 background values. 59.12% NDs. Annual per-constituent alpha = 0.003335. Individual comparison alpha = 0.0001044 (1 of 2). Comparing 16 points to limit.

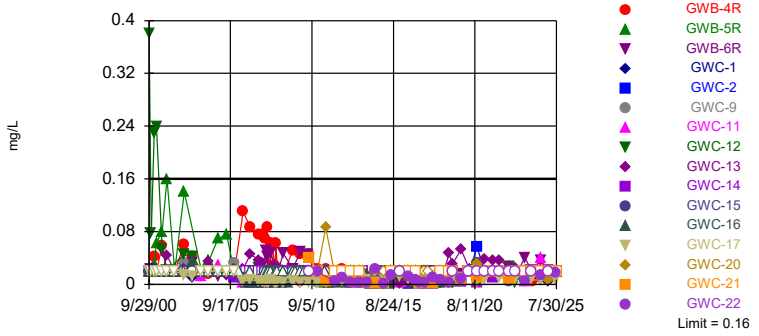
Constituent: Vanadium Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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 141 background values. 27.66% NDs. Annual per-constituent alpha = 0.003131. Individual comparison alpha = 0.00009801 (1 of 2). Comparing 16 points to limit.

Constituent: Zinc Analysis Run 9/30/2025 5:12 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-15	GWC-9	GWC-1	GWC-16	GWB-6R	GWB-5R
9/29/2000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/21/2000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2001	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003		
11/2/2001					<0.003			<0.003	<0.003
4/25/2002				<0.003		<0.003	<0.003		
4/26/2002	<0.003	<0.003	<0.003		<0.003			<0.003	<0.003
11/20/2002						<0.003		<0.003	<0.003
11/21/2002			<0.003	<0.003	<0.003		<0.003		
11/22/2002		<0.003							
6/6/2003	<0.003			<0.003		<0.003	<0.003	<0.003	<0.003
6/7/2003		<0.003	<0.003		<0.003				
12/12/2003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003
12/17/2003						<0.003			
5/26/2004	<0.003			<0.003		<0.003	<0.003	<0.003	<0.003
5/27/2004		<0.003	<0.003		<0.003				
12/8/2004	<0.003	<0.003		<0.003		<0.003	<0.003		
12/9/2004			<0.003		<0.003				
12/10/2004								<0.003	<0.003
6/21/2005	<0.003					<0.003	<0.003	<0.003	<0.003
6/22/2005		<0.003	<0.003		<0.003				
6/23/2005				<0.003					
12/3/2005	<0.003			<0.003					
12/4/2005			<0.003			<0.003	<0.003		
12/5/2005		<0.003			<0.003			<0.003	<0.003
4/4/2006							<0.003		
6/27/2006	<0.003					<0.003			<0.003
6/28/2006			<0.003						
6/29/2006		<0.003		<0.003	<0.003		<0.003	<0.003	
8/30/2006							<0.003		
12/3/2006	<0.003	<0.003	<0.003		<0.003				
12/4/2006				<0.003		<0.003	0.006	<0.003	<0.003
2/15/2007							<0.003		
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/11/2007							<0.003		
9/12/2007				<0.003		<0.003			<0.003
9/13/2007		<0.003	<0.003		<0.003				
9/14/2007	<0.003							<0.003	
11/6/2007				<0.003			<0.003		
11/7/2007		<0.003				<0.003			<0.003
11/8/2007	<0.003		<0.003		<0.003			<0.003	
12/11/2007	<0.003	<0.003	<0.003		<0.003			<0.003	
12/12/2007				<0.003		<0.003	<0.003		<0.003
1/15/2008		<0.003	<0.003						
1/16/2008				<0.003	<0.003		<0.003		
1/17/2008						<0.003		<0.003	<0.003
1/18/2008	<0.003								
3/11/2008		<0.003					<0.003		
3/12/2008				<0.003	<0.003	<0.003			
3/13/2008	<0.003		<0.003					<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-15	GWC-9	GWC-1	GWC-16	GWB-6R	GWB-5R
6/3/2008		<0.003	<0.003						
6/4/2008	<0.003				<0.003	<0.003			<0.003
6/5/2008				<0.003			<0.003	<0.003	
6/23/2008	<0.003	<0.003	<0.003		<0.003				
6/24/2008				<0.003		<0.003	<0.003	<0.003	<0.003
7/29/2008	<0.003		<0.003		<0.003				
7/30/2008		<0.003						<0.003	<0.003
7/31/2008				<0.003		<0.003	<0.003		
11/3/2008							<0.003		
12/4/2008	<0.003	<0.003	<0.003		<0.003				
12/5/2008				<0.003		<0.003	<0.003	<0.003	<0.003
3/25/2009							<0.003		
7/7/2009	<0.003					<0.003		<0.003	<0.003
7/8/2009		<0.003	<0.003	<0.003	<0.003		<0.003		
9/14/2009							<0.003		
12/20/2009	<0.003			<0.003		<0.003	<0.003		
12/21/2009		<0.003	<0.003		<0.003			<0.003	<0.003
3/4/2010							<0.003		
6/20/2010	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003
6/21/2010							<0.003		
9/14/2010							<0.003		
1/6/2011			<0.003			<0.003			<0.003
1/7/2011	<0.003	<0.003		<0.003	<0.003		<0.003	<0.003	
4/15/2011							<0.003		
7/7/2011	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003	<0.003
7/8/2011					<0.003				
9/25/2011							<0.003		
1/17/2012	<0.003	<0.003	<0.003	<0.003		<0.003			<0.003
1/18/2012					<0.003		<0.003	<0.003	
4/4/2012							<0.003		
7/9/2012	<0.003	<0.003	<0.003	<0.003		<0.003			<0.003
7/10/2012					<0.003		<0.003	<0.003	
10/9/2012							<0.003		
1/17/2013		<0.003	<0.003			<0.003			<0.003
1/18/2013	<0.003			<0.003	<0.003		<0.003	<0.003	
4/5/2013							<0.003		
7/16/2013		<0.003	<0.003			<0.003			<0.003
7/17/2013	<0.003			<0.003	<0.003		<0.003	<0.003	
10/11/2013							<0.003		
1/13/2014	<0.003	<0.003	<0.003	<0.003		<0.003			<0.003
1/14/2014					<0.003		<0.003	<0.003	
4/3/2014							<0.003		
7/8/2014		<0.003	<0.003						
7/9/2014	0.0022 (J)			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
7/10/2014									
10/24/2014							<0.003		
1/12/2015									
1/13/2015	<0.003	<0.003	<0.003	<0.003		<0.003			<0.003
1/14/2015					<0.003		<0.003	<0.003	
5/10/2015									
5/11/2015							<0.003		
7/16/2015	0.0028 (J)	<0.003	<0.003	<0.003		<0.003	<0.003		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-15	GWC-9	GWC-1	GWC-16	GWB-6R	GWB-5R
7/17/2015					<0.003			<0.003	
7/18/2015									
10/6/2015							<0.003		
1/17/2016				<0.003		<0.003	<0.003		
1/18/2016	<0.003	<0.003			<0.003			<0.003	<0.003
1/19/2016			<0.003						
4/26/2016							<0.003		
7/26/2016			0.0005 (J)						
7/27/2016	<0.003	<0.003		<0.003		<0.003			<0.003
7/28/2016					<0.003		<0.003	<0.003	
7/29/2016									
8/30/2016						<0.003		<0.003	<0.003
8/31/2016		<0.003	<0.003		<0.003				
9/1/2016	0.0017 (J)			<0.003			<0.003		
10/24/2016									
10/25/2016	<0.003			<0.003		<0.003	<0.003		
10/26/2016		<0.003	<0.003					<0.003	<0.003
10/27/2016					0.0016 (J)				
1/3/2017									<0.003
1/4/2017		<0.003	<0.003			<0.003	<0.003		
1/5/2017				<0.003				<0.003	
1/6/2017	0.0009 (J)				<0.003				
4/3/2017				<0.003					
4/4/2017						<0.003			
4/5/2017		<0.003					<0.003		
4/6/2017	<0.003		0.0006 (J)		<0.003			<0.003	<0.003
7/10/2017		<0.003							
7/11/2017			0.0009 (J)	<0.003					
7/12/2017					<0.003	<0.003	<0.003	<0.003	<0.003
7/13/2017	0.0013 (J)								
10/2/2017				<0.003					
10/3/2017			<0.003			<0.003	<0.003	<0.003	<0.003
10/4/2017	0.0008 (J)	<0.003			<0.003				
1/9/2018	<0.003			<0.003				<0.003	
1/10/2018						<0.003	<0.003		<0.003
1/11/2018		<0.003	0.0007 (J)		<0.003				
7/9/2018									
7/10/2018				<0.003		<0.003	<0.003	<0.003	<0.003
7/11/2018	<0.003	<0.003	<0.003		<0.003				
1/16/2019	<0.003					<0.003		<0.003	<0.003
1/17/2019		<0.003	<0.003	<0.003			<0.003		
1/18/2019					<0.003				
1/21/2019									
3/25/2019	<0.003								
3/26/2019				<0.003		<0.003	<0.003	<0.003	<0.003
3/27/2019		<0.003	<0.003		<0.003				
7/30/2019									
8/26/2019	<0.003								
8/27/2019		<0.003	0.00033 (J)	<0.003		<0.003		<0.003	
8/28/2019					<0.003		<0.003		0.00054 (J)
10/7/2019									
10/8/2019	<0.003		0.00046 (J)	<0.003			<0.003		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-15	GWC-9	GWC-1	GWC-16	GWB-6R	GWB-5R
10/9/2019		<0.003			<0.003	<0.003		<0.003	<0.003
4/6/2020	<0.003								
4/7/2020		<0.003	0.00066 (J)	<0.003		<0.003	<0.003	<0.003	<0.003
4/8/2020					0.00033 (J)				
8/17/2020		<0.003							
8/18/2020			0.00064 (J)	<0.003			<0.003		
8/19/2020	<0.003				<0.003	0.00061 (J)		<0.003	<0.003
9/28/2020	<0.003					0.00035 (J)			
9/29/2020		<0.003	0.00051 (J)						
9/30/2020				<0.003			<0.003	0.00059 (J)	0.0003 (J)
10/1/2020					<0.003				
3/10/2021		0.0003 (J)	0.00076 (J)		<0.003	0.00069 (J)		0.00029 (J)	<0.003
3/11/2021	<0.003								
3/12/2021				0.0018 (J)					
3/15/2021									
3/16/2021							<0.003		
9/21/2021	<0.003	<0.003	<0.003					<0.003	0.0013 (J)
9/22/2021					<0.003		<0.003		
9/23/2021				<0.003		0.0016 (J)			
1/31/2022	<0.003								
2/1/2022							<0.003		
2/2/2022					<0.003			<0.003	
2/3/2022		<0.003	<0.003	<0.003		<0.003			<0.003
8/30/2022	<0.003	<0.003						<0.003	<0.003
8/31/2022			<0.003	<0.003					
9/1/2022					<0.003	<0.003	<0.003		
1/31/2023	<0.003								
2/1/2023		<0.003	<0.003		<0.003		<0.003	<0.003	<0.003
2/2/2023				<0.003		<0.003			
8/28/2023	<0.003								
8/29/2023					<0.003	<0.003		<0.003	<0.003
9/6/2023		<0.003	<0.003				<0.003		
9/7/2023				<0.003					
1/23/2024	<0.003					<0.003		<0.003	
1/24/2024			<0.003	<0.003	<0.003				
1/25/2024		<0.003					<0.003		
2/7/2024									
2/8/2024									<0.003
8/19/2024	<0.003								
8/20/2024						<0.003		<0.003	
8/21/2024		<0.003	<0.003	<0.003	<0.003		<0.003		<0.003
8/22/2024									
1/27/2025									
1/28/2025	<0.003		<0.003					<0.003	
1/29/2025		<0.003		<0.003	<0.003	<0.003	<0.003		<0.003
7/28/2025	<0.003								
7/29/2025			<0.003			<0.003		<0.003	
7/30/2025		<0.003		<0.003	<0.003		<0.003		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-17	GWA-8 (bg)	GWC-13	GWC-2	GWC-22	GWC-21	GWC-20
9/29/2000	<0.003	<0.003	<0.003	<0.003				
11/21/2000	<0.003	<0.003		<0.003	<0.003			
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003			
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003			
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003			
11/1/2001		<0.003	<0.003	<0.003	<0.003			
11/2/2001	<0.003							
4/25/2002		<0.003			<0.003			
4/26/2002	<0.003		<0.003	<0.003				
11/20/2002	<0.003							
11/21/2002		<0.003	<0.003					
11/22/2002				<0.003	<0.003			
6/6/2003	<0.003	<0.003	<0.003		<0.003			
6/7/2003				<0.003				
12/12/2003	<0.003	<0.003	<0.003	<0.003	<0.003			
12/17/2003								
5/26/2004	<0.003		<0.003					
5/27/2004		<0.003		<0.003	<0.003			
12/8/2004		<0.003	<0.003		<0.003			
12/9/2004				<0.003				
12/10/2004	<0.003							
6/21/2005	<0.003		<0.003					
6/22/2005				<0.003				
6/23/2005		<0.003			<0.003			
12/3/2005			<0.003		<0.003			
12/4/2005								
12/5/2005	<0.003	<0.003		<0.003				
4/4/2006			<0.003					
6/27/2006	<0.003		<0.003					
6/28/2006								
6/29/2006		<0.003		<0.003	<0.003			
8/30/2006			<0.003					
12/3/2006			<0.003	<0.003				
12/4/2006	<0.003	<0.003			<0.003			
2/15/2007			<0.003					
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003			
9/11/2007			<0.003					
9/12/2007	<0.003	<0.003			<0.003			
9/13/2007				<0.003				
9/14/2007								
11/6/2007		<0.003			<0.003			
11/7/2007	<0.003			<0.003				
11/8/2007			<0.003					
12/11/2007			<0.003	<0.003				
12/12/2007	<0.003	<0.003			<0.003			
1/15/2008				<0.003				
1/16/2008		<0.003			<0.003			
1/17/2008	<0.003							
1/18/2008			<0.003					
3/11/2008			<0.003	<0.003				
3/12/2008	<0.003				<0.003			
3/13/2008		<0.003						

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-17	GWA-8 (bg)	GWC-13	GWC-2	GWC-22	GWC-21	GWC-20
6/3/2008				<0.003				
6/4/2008		<0.003	<0.003					
6/5/2008	<0.003				<0.003			
6/23/2008			<0.003	<0.003				
6/24/2008	<0.003	<0.003			<0.003			
7/29/2008			<0.003					
7/30/2008	<0.003			<0.003				
7/31/2008		<0.003			<0.003			
11/3/2008			<0.003					
12/4/2008			<0.003	<0.003	<0.003			
12/5/2008	<0.003	<0.003						
3/25/2009			<0.003					
7/7/2009	<0.003		<0.003					
7/8/2009		<0.003		<0.003	<0.003			
9/14/2009			<0.003					
12/20/2009			<0.003		<0.003			
12/21/2009	<0.003	<0.003		<0.003				
3/4/2010			<0.003					
6/20/2010			<0.003	<0.003	<0.003			
6/21/2010	<0.003	<0.003				<0.003	<0.003	<0.003
9/14/2010			<0.003					
1/6/2011				<0.003	<0.003			
1/7/2011	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003
4/15/2011			<0.003					
7/7/2011			<0.003	<0.003	<0.003			
7/8/2011	<0.003	<0.003				<0.003	<0.003	<0.003
9/25/2011			<0.003					
1/17/2012			<0.003	<0.003	<0.003			
1/18/2012	<0.003	<0.003				<0.003	<0.003	<0.003
4/4/2012			<0.003					
7/9/2012				<0.003	<0.003			
7/10/2012	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003
10/9/2012			<0.003					
1/17/2013				<0.003	<0.003			
1/18/2013	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003
4/5/2013			<0.003					
7/16/2013				<0.003				
7/17/2013	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003	<0.003
10/11/2013			<0.003					
1/13/2014				<0.003	<0.003			
1/14/2014	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003
4/3/2014			<0.003					
7/8/2014				<0.003				
7/9/2014	0.002 (J)	<0.003	<0.003		<0.003		<0.003	
7/10/2014						<0.003		<0.003
10/24/2014			<0.003					
1/12/2015	<0.003							<0.003
1/13/2015				<0.003	<0.003			
1/14/2015		<0.003	<0.003			<0.003	<0.003	
5/10/2015			<0.003					
5/11/2015								
7/16/2015	0.0021 (J)			<0.003	<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-17	GWA-8 (bg)	GWC-13	GWC-2	GWC-22	GWC-21	GWC-20
7/17/2015			<0.003				<0.003	
7/18/2015		<0.003				<0.003		<0.003
10/6/2015			<0.003					
1/17/2016					<0.003		<0.003	<0.003
1/18/2016	<0.003	<0.003	<0.003	<0.003		<0.003		
1/19/2016								
4/26/2016			<0.003					
7/26/2016				0.0006 (J)				
7/27/2016					<0.003			
7/28/2016			<0.003				<0.003	0.0019 (J)
7/29/2016	0.0003 (J)	<0.003				<0.003		
8/30/2016			<0.003					
8/31/2016				<0.003	<0.003	<0.003		
9/1/2016	<0.003	<0.003					<0.003	<0.003
10/24/2016			<0.003					
10/25/2016							<0.003	<0.003
10/26/2016	<0.003	<0.003		<0.003	<0.003	<0.003		
10/27/2016								
1/3/2017			<0.003					
1/4/2017						<0.003	<0.003	<0.003
1/5/2017		<0.003		<0.003	<0.003			
1/6/2017	<0.003							
4/3/2017			<0.003					
4/4/2017	<0.003				<0.003		<0.003	<0.003
4/5/2017		<0.003						
4/6/2017				<0.003		<0.003		
7/10/2017								
7/11/2017			<0.003			<0.003		<0.003
7/12/2017	<0.003			<0.003				
7/13/2017		<0.003			<0.003		<0.003	
10/2/2017			<0.003					<0.003
10/3/2017					<0.003		<0.003	
10/4/2017	<0.003	<0.003		<0.003		<0.003		
1/9/2018			<0.003				<0.003	
1/10/2018				<0.003	<0.003			<0.003
1/11/2018	<0.003	<0.003				<0.003		
7/9/2018			<0.003					<0.003
7/10/2018					<0.003		<0.003	
7/11/2018	<0.003	<0.003		<0.003		<0.003		
1/16/2019	<0.003	<0.003	<0.003	<0.003				
1/17/2019							<0.003	
1/18/2019						<0.003		
1/21/2019					<0.003			<0.003
3/25/2019	<0.003		<0.003					<0.003
3/26/2019		<0.003		<0.003			<0.003	
3/27/2019						<0.003		
7/30/2019					<0.003			
8/26/2019			<0.003					
8/27/2019	<0.003			<0.003	<0.003	0.00045 (J)		
8/28/2019		<0.003					<0.003	<0.003
10/7/2019			<0.003					
10/8/2019				<0.003			<0.003	

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-17	GWA-8 (bg)	GWC-13	GWC-2	GWC-22	GWC-21	GWC-20
10/9/2019	<0.003	<0.003			<0.003	<0.003		<0.003
4/6/2020			<0.003					
4/7/2020	<0.003					0.00049 (J)	<0.003	
4/8/2020		<0.003		<0.003	0.0013 (J)			<0.003
8/17/2020			<0.003	<0.003				
8/18/2020		<0.003			<0.003	0.0022 (J)	<0.003	<0.003
8/19/2020	<0.003							
9/28/2020			<0.003	<0.003				
9/29/2020					0.0016 (J)			
9/30/2020		<0.003				0.0016 (J)	0.00033 (J)	<0.003
10/1/2020	<0.003							
3/10/2021	<0.003					0.0004 (J)		
3/11/2021		0.00039 (J)						
3/12/2021			<0.003					0.00065 (J)
3/15/2021				<0.003	<0.003			
3/16/2021							<0.003	
9/21/2021	<0.003		<0.003	<0.003		<0.003		
9/22/2021		0.0014 (J)			<0.003		<0.003	<0.003
9/23/2021								
1/31/2022			<0.003					
2/1/2022		<0.003					<0.003	<0.003
2/2/2022	<0.003				<0.003			
2/3/2022				<0.003		<0.003		
8/30/2022	<0.003		<0.003				<0.003	<0.003
8/31/2022		<0.003		<0.003		<0.003		
9/1/2022					<0.003			
1/31/2023			<0.003					
2/1/2023		0.00286 (J)		<0.003				<0.003
2/2/2023	<0.003				<0.003	<0.003	<0.003	
8/28/2023			<0.003					
8/29/2023	<0.003	<0.003		<0.003	<0.003	<0.003		
9/6/2023							<0.003	<0.003
9/7/2023								
1/23/2024			<0.003			<0.003		
1/24/2024		0.00245 (J)						<0.003
1/25/2024				<0.003	<0.003		<0.003	
2/7/2024	<0.003							
2/8/2024								
8/19/2024								
8/20/2024	<0.003							
8/21/2024		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003
8/22/2024							<0.003	
1/27/2025			<0.003					
1/28/2025	<0.003	0.00115 (J)				<0.003		
1/29/2025				<0.003	<0.003		<0.003	<0.003
7/28/2025	<0.003		<0.003					
7/29/2025		<0.003				<0.003		<0.003
7/30/2025				<0.003	<0.003		<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
9/29/2000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/21/2000	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
1/20/2001	<0.005	<0.005	0.014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
7/16/2001	<0.005	0.014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2001	<0.005			<0.005	<0.005		<0.005	<0.005	<0.005
11/2/2001		0.023	<0.005			<0.005			
4/25/2002				<0.005					<0.005
4/26/2002	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	
11/20/2002		0.022	0.014	<0.005					
11/21/2002					<0.005	<0.005			0.011
11/22/2002							<0.005	<0.005	
6/6/2003	0.02	0.07	0.014	0.03	<0.005				<0.005
6/7/2003						<0.005	<0.005	<0.005	
12/12/2003	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	0.0064	<0.005
12/17/2003				<0.005					
5/26/2004	<0.005	0.0074	0.0082	<0.005	<0.005				
5/27/2004						<0.005	<0.005	<0.005	<0.005
12/8/2004	<0.005			<0.005	<0.005		<0.005		<0.005
12/9/2004						<0.005		<0.005	
12/10/2004		0.017	0.0062						
6/21/2005	<0.005	0.013	<0.005	<0.005	<0.005				
6/22/2005						<0.005	<0.005	<0.005	
6/23/2005									<0.005
12/3/2005	<0.005				<0.005				<0.005
12/4/2005				<0.005					
12/5/2005		<0.005	<0.005			<0.005	<0.005	<0.005	
4/4/2006					<0.005				<0.005
6/27/2006	<0.005	<0.005		<0.005	<0.005				
6/28/2006									
6/29/2006			<0.005			<0.005	<0.005	<0.005	<0.005
8/30/2006					<0.005				<0.005
12/3/2006	<0.005				<0.005	<0.005	<0.005	<0.005	
12/4/2006		<0.005	<0.005	<0.005					<0.005
2/15/2007					<0.005				<0.005
6/23/2007	<0.005	<0.005	0.0053	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2007					<0.005				<0.005
9/12/2007		<0.005		<0.005					
9/13/2007						<0.005	<0.005	<0.005	
9/14/2007	<0.005		0.0076						
11/6/2007									<0.005
11/7/2007		<0.005		<0.005			<0.005	<0.005	
11/8/2007	<0.005		0.0087		<0.005	<0.005			
12/11/2007	<0.005		0.0057		<0.005	<0.005	<0.005	<0.005	
12/12/2007		<0.005		<0.005					<0.005
1/15/2008							<0.005	<0.005	
1/16/2008						<0.005			0.1
1/17/2008		<0.005	<0.005	<0.005					
1/18/2008	<0.005				<0.005				
3/11/2008					<0.005		<0.005	<0.005	<0.005
3/12/2008				<0.005		<0.005			
3/13/2008	<0.005	<0.005	0.0057						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
6/3/2008							<0.005	<0.005	
6/4/2008	<0.005	<0.005		<0.005	<0.005	<0.005			
6/5/2008			<0.005						<0.005
6/23/2008	<0.005				<0.005	<0.005	<0.005	<0.005	
6/24/2008		<0.005	0.012	<0.005					<0.005
7/29/2008	<0.005				<0.005	<0.005			
7/30/2008		<0.005	<0.005				<0.005	<0.005	
7/31/2008				<0.005					<0.005
11/3/2008					<0.005				<0.005
12/4/2008	<0.005				<0.005	<0.005	<0.005	<0.005	<0.005
12/5/2008		<0.005	0.0064	<0.005					
3/25/2009					<0.005				<0.005
7/7/2009	<0.005	<0.005	<0.005	<0.005	<0.005				
7/8/2009						<0.005	<0.005	<0.005	<0.005
9/14/2009					<0.005				<0.005
12/20/2009	<0.005			<0.005	<0.005				<0.005
12/21/2009		<0.005	<0.005			<0.005	<0.005	<0.005	
3/4/2010					<0.005				<0.005
6/20/2010	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/21/2010									
9/14/2010					<0.005				<0.005
1/6/2011		<0.005		<0.005				<0.005	
1/7/2011	<0.005		<0.005		<0.005	<0.005	<0.005		<0.005
4/15/2011					<0.005				<0.005
7/7/2011	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
7/8/2011						<0.005			
9/25/2011					<0.005				<0.005
1/17/2012	<0.005	<0.005		0.0071	<0.005		<0.005	<0.005	<0.005
1/18/2012			<0.005			<0.005			
4/4/2012					<0.005				<0.005
7/9/2012	0.0052	<0.005		0.0076			<0.005	<0.005	<0.005
7/10/2012			<0.005		<0.005	<0.005			
10/9/2012					<0.005				<0.005
1/17/2013		<0.005		0.0086			<0.005	<0.005	
1/18/2013	0.0087		<0.005		<0.005	<0.005			<0.005
4/5/2013					<0.005				<0.005
7/16/2013		<0.005		<0.005			<0.005	<0.005	
7/17/2013	0.0084		<0.005		<0.005	<0.005			<0.005
10/11/2013					<0.005				<0.005
1/13/2014	0.0087	<0.005		0.0035 (J)			<0.005	<0.005	
1/14/2014			<0.005		<0.005	<0.005			<0.005
4/3/2014					<0.005				<0.005
7/8/2014							<0.005	<0.005	
7/9/2014	0.008	<0.005	<0.005	0.0022 (J)	<0.005	<0.005			<0.005
7/10/2014									
10/24/2014					<0.005				<0.005
1/12/2015									
1/13/2015	0.0077	<0.005		<0.005			<0.005	<0.005	
1/14/2015			<0.005		<0.005	<0.005			<0.005
5/10/2015					<0.005				<0.005
5/11/2015									
7/16/2015	0.0077	<0.005		0.0037 (J)			<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
7/17/2015			<0.005		<0.005	<0.005			<0.005
7/18/2015									
10/6/2015					<0.005				<0.005
1/17/2016				0.024					0.002 (J)
1/18/2016	0.014	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	
1/19/2016									
4/26/2016					0.0011 (J)				0.00183 (J)
7/26/2016								<0.005	
7/27/2016	0.0111	0.0008 (J)		0.0046 (J)			<0.005		0.0021 (J)
7/28/2016			0.0009 (J)		<0.005	<0.005			
7/29/2016									
8/30/2016		<0.005	<0.005	0.0023 (J)	<0.005				
8/31/2016						<0.005	<0.005	<0.005	
9/1/2016	0.0287								0.0024 (J)
10/24/2016					<0.005				
10/25/2016	0.0069			0.0035 (J)					<0.005
10/26/2016		<0.005	<0.005				<0.005	<0.005	
10/27/2016						<0.005			
1/3/2017		<0.005			<0.005				
1/4/2017				0.0018 (J)			<0.005		
1/5/2017			0.0021 (J)					<0.005	0.0024 (J)
1/6/2017	0.0097					<0.005			
4/3/2017					0.0006 (J)				
4/4/2017				0.0015 (J)					0.003 (J)
4/5/2017							0.0006 (J)		
4/6/2017	0.0104	0.0006 (J)	0.0011 (J)			<0.005		<0.005	
7/10/2017							0.0008 (J)		
7/11/2017					0.0006 (J)				0.0019 (J)
7/12/2017		0.0009 (J)	0.0014 (J)	0.0015 (J)		<0.005		<0.005	
7/13/2017	0.0064								
10/2/2017					0.0006 (J)				0.0026 (J)
10/3/2017		0.001 (J)	0.0014 (J)	0.0013 (J)					
10/4/2017	0.0078					<0.005	0.0009 (J)	<0.005	
1/9/2018	0.0091 (J)		0.0017 (J)		0.0009 (J)				0.0021 (J)
1/10/2018		0.0012 (J)		0.0023 (J)				0.0006 (J)	
1/11/2018						<0.005	<0.005		
7/9/2018					<0.005				0.0019 (J)
7/10/2018		0.0016 (J)	0.00063 (J)	0.0031 (J)					
7/11/2018	<0.005					<0.005	<0.005	<0.005	
1/16/2019	<0.005	0.0011 (J)	<0.005	0.0023 (J)	<0.005			<0.005	0.0016 (J)
1/17/2019							<0.005		
1/18/2019						<0.005			
1/21/2019									
3/25/2019	0.0029 (J)				<0.005				
3/26/2019		0.0014 (J)	0.0029 (J)	0.0032 (J)				0.00058 (J)	0.0023 (J)
3/27/2019						<0.005	<0.005		
7/30/2019									
8/26/2019	0.0041 (J)				<0.005				
8/27/2019			0.0035 (J)	0.0022 (J)			<0.005	<0.005	0.0017 (J)
8/28/2019		0.0023 (J)				<0.005			
10/7/2019					<0.005				
10/8/2019	0.003 (J)							<0.005	0.0017 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
10/9/2019		0.0053 (J)	0.0018 (J)	0.0042 (J)		<0.005	<0.005		
4/6/2020	<0.005				0.00045 (J)				
4/7/2020		0.0011 (J)	<0.005	0.027			<0.005		0.0018 (J)
4/8/2020						0.00084 (J)		<0.005	
8/17/2020					<0.005		<0.005	<0.005	
8/18/2020									0.0012 (J)
8/19/2020	0.006 (J)	0.0019 (J)	0.0036 (J)	0.007		<0.005			
9/28/2020	<0.005			0.0058	<0.005			<0.005	
9/29/2020							<0.005		<0.005
9/30/2020		0.0017 (J)	0.004 (J)						
10/1/2020						<0.005			
3/10/2021		0.0019 (J)	0.0054	0.0055		<0.005	<0.005		
3/11/2021	0.0047 (J)								
3/12/2021					<0.005				
3/15/2021								<0.005	
3/16/2021									<0.005
9/21/2021	<0.005	<0.005	0.0054		<0.005		<0.005	<0.005	
9/22/2021						<0.005			0.0014 (J)
9/23/2021				0.0048 (J)					
1/31/2022	<0.005				<0.005				
2/1/2022									
2/2/2022			0.01			<0.005			0.0036 (J)
2/3/2022		0.0029 (J)		0.0057			0.0016 (J)	0.0025 (J)	
8/30/2022	0.00321 (J)	0.00253 (J)	0.00716		<0.005		<0.005		<0.005
8/31/2022								<0.005	
9/1/2022				0.00568		<0.005			
1/31/2023	0.0025 (J)				<0.005				
2/1/2023		0.00295 (J)	0.0042 (J)			<0.005	<0.005	<0.005	
2/2/2023				0.00433 (J)					0.00261 (J)
8/28/2023	0.0039 (J)				<0.005				
8/29/2023		0.00239 (J)	0.00724	0.00668		<0.005		<0.005	
9/6/2023							<0.005		0.00244 (J)
9/7/2023									
1/23/2024	0.00432 (J)		0.00451 (J)	0.00609	0.00216 (J)				
1/24/2024						<0.005			
1/25/2024							<0.005	<0.005	0.00216 (J)
2/7/2024									
2/8/2024		0.0071							
8/19/2024	0.00287 (J)								
8/20/2024			0.0056	0.0131					
8/21/2024		0.00237 (J)			<0.005	<0.005	<0.005	<0.005	<0.005
8/22/2024									
1/27/2025					0.00205 (J)				
1/28/2025	0.00469 (J)		0.00574						
1/29/2025		0.00216 (J)		0.00822		<0.005	<0.005	<0.005	<0.005
7/28/2025	0.00406 (J)				<0.005				
7/29/2025			0.00474 (J)	0.00906					
7/30/2025		0.00227 (J)				<0.005	<0.005	<0.005	0.00239 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20	GWC-15
9/29/2000	0.094	<0.005	<0.005	<0.005					<0.01
11/21/2000	0.059	<0.005	<0.005	<0.005	<0.005				<0.01
1/20/2001	0.087	<0.005	<0.005	0.01	<0.005				<0.01
3/14/2001	0.075	<0.005	<0.005	<0.005	<0.005				<0.01
7/16/2001	0.11	<0.005	<0.005	<0.005	<0.005				<0.01
11/1/2001	0.098	<0.005	<0.005		<0.005				<0.01
11/2/2001				<0.005					
4/25/2002	0.071	<0.005			<0.005				<0.005
4/26/2002			<0.005	<0.005					
11/20/2002				0.0096					
11/21/2002	0.15	<0.005	<0.005						<0.005
11/22/2002					<0.005				
6/6/2003	1.2 (O)	<0.005		0.0076	<0.005				<0.005
6/7/2003			<0.005						
12/12/2003	0.27 (O)	<0.005	<0.005	0.0058	<0.005				<0.005
12/17/2003									
5/26/2004	0.12			0.0068					<0.005
5/27/2004		<0.005	<0.005		<0.005				
12/8/2004	0.098	<0.005			<0.005				<0.005
12/9/2004			<0.005						
12/10/2004				0.0066					
6/21/2005	0.065			<0.005					
6/22/2005			<0.005						
6/23/2005		<0.005			<0.005				<0.005
12/3/2005					<0.005				<0.005
12/4/2005	0.081		<0.005						
12/5/2005		<0.005		<0.005					
4/4/2006	0.077								
6/27/2006				<0.005					
6/28/2006			<0.005						
6/29/2006	0.071	<0.005			<0.005				<0.005
8/30/2006	0.08								
12/3/2006			<0.005						
12/4/2006	0.085	<0.005		<0.005	<0.005				<0.005
2/15/2007	0.09								
6/23/2007	0.12	<0.005	<0.005	<0.005	<0.005				<0.005
9/11/2007	0.088								
9/12/2007		<0.005		0.007	<0.005				<0.005
9/13/2007			<0.005						
9/14/2007									
11/6/2007	0.098	<0.005			<0.005				<0.005
11/7/2007				0.0058					
11/8/2007			<0.005						
12/11/2007			<0.005						
12/12/2007	0.088	<0.005		<0.005	<0.005				<0.005
1/15/2008			<0.005						
1/16/2008	<0.005	<0.005			<0.005				<0.005
1/17/2008				<0.005					
1/18/2008									
3/11/2008	0.071								
3/12/2008				0.0062	<0.005				<0.005
3/13/2008		<0.005	<0.005						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20	GWC-15
6/3/2008			<0.005						
6/4/2008		<0.005							
6/5/2008	0.076			<0.005	<0.005				<0.005
6/23/2008			<0.005						
6/24/2008	0.097	<0.005		0.005	<0.005				<0.005
7/29/2008			<0.005						
7/30/2008				<0.005					
7/31/2008	0.1	<0.005			<0.005				<0.005
11/3/2008	0.089								
12/4/2008			<0.005		<0.005				
12/5/2008	0.092	<0.005		<0.005					<0.005
3/25/2009	0.095								
7/7/2009				<0.005					
7/8/2009	0.11	<0.005	<0.005		<0.005				0.0052
9/14/2009	0.099								
12/20/2009	0.1				<0.005				<0.005
12/21/2009		<0.005	<0.005	<0.005					
3/4/2010	0.074								
6/20/2010			<0.005		<0.005				0.0068
6/21/2010	0.056	<0.005		0.018		0.013	<0.005	0.29	
9/14/2010	0.067								
1/6/2011			<0.005		<0.005				
1/7/2011	0.066	<0.005		<0.005		<0.005	<0.005	0.2	<0.005
4/15/2011	0.08								
7/7/2011	0.054		<0.005		<0.005				<0.005
7/8/2011		<0.005		<0.005		<0.005	<0.005	0.19	
9/25/2011	0.085								
1/17/2012			<0.005		<0.005				<0.005
1/18/2012	0.089	<0.005		<0.005		<0.005	<0.005	0.058	
4/4/2012	0.0473								
7/9/2012			<0.005		<0.005				<0.005
7/10/2012	0.07	<0.005		0.0052		<0.005	<0.005	0.18	
10/9/2012	0.088								
1/17/2013			<0.005		<0.005				
1/18/2013	0.063	<0.005		<0.005		0.0061	<0.005	0.22	0.0089
4/5/2013	0.06								
7/16/2013			<0.005						
7/17/2013	0.063	<0.005		<0.005	<0.005	<0.005	<0.005	0.45	0.011
10/11/2013	0.059								
1/13/2014			<0.005		<0.005				0.017
1/14/2014	0.077	<0.005		0.0023 (J)		0.0061	<0.005	0.52	
4/3/2014	0.091								
7/8/2014			<0.005						
7/9/2014	0.08	<0.005		0.0023 (J)	<0.005	<0.005			0.014
7/10/2014							0.0027 (J)	0.4	
10/24/2014	0.073								
1/12/2015				0.0028 (J)				0.43	
1/13/2015			<0.005		<0.005				0.011
1/14/2015	0.079	<0.005				<0.005	<0.005		
5/10/2015									
5/11/2015	0.058								
7/16/2015	0.068		<0.005	<0.005	<0.005				0.02

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20	GWC-15
7/17/2015						<0.005			
7/18/2015		<0.005					<0.005	0.26	
10/6/2015	0.078								
1/17/2016	0.089				<0.005	0.0065		0.34	0.014
1/18/2016		<0.005		<0.005			<0.005		
1/19/2016			<0.005						
4/26/2016	0.0731								
7/26/2016			<0.005						
7/27/2016					<0.005				0.0303
7/28/2016	0.0627					<0.005		0.209	
7/29/2016		0.0009 (J)		0.0014 (J)			0.002 (J)		
8/30/2016									
8/31/2016			<0.005		<0.005		0.0017 (J)		
9/1/2016	0.0551	<0.005		0.0033 (J)		0.0039 (J)		0.215	0.0533
10/24/2016									
10/25/2016	0.0466					<0.005		0.307	0.0551
10/26/2016		<0.005	<0.005	0.0016 (J)	<0.005		<0.005		
10/27/2016									
1/3/2017									
1/4/2017	0.0444		<0.005			<0.005	<0.005	0.311	
1/5/2017		<0.005			<0.005				0.0437
1/6/2017				<0.005					
4/3/2017									0.0713
4/4/2017				0.0021 (J)	<0.005	0.0031 (J)		0.317	
4/5/2017	0.0591	0.0011 (J)							
4/6/2017			<0.005				0.0006 (J)		
7/10/2017									
7/11/2017			<0.005				0.0012 (J)	0.299	0.0745
7/12/2017	0.0776			0.0015 (J)					
7/13/2017		0.0016 (J)			<0.005	<0.005			
10/2/2017								0.216	0.0723
10/3/2017	0.0813		<0.005		<0.005	<0.005			
10/4/2017		0.0019 (J)		0.0018 (J)			0.0025 (J)		
1/9/2018						0.0033 (J)			0.0731
1/10/2018	0.085				0.0006 (J)			0.347	
1/11/2018		0.0015 (J)	<0.005	0.0015 (J)			0.0006 (J)		
7/9/2018								0.37	
7/10/2018	0.067				<0.005	0.0027 (J)			0.09
7/11/2018		0.00082 (J)	<0.005	0.00095 (J)			0.0011 (J)		
1/16/2019		<0.005		0.0024 (J)					
1/17/2019	0.079		<0.005			0.0022 (J)			0.13
1/18/2019							<0.005		
1/21/2019					<0.005			0.44	
3/25/2019				0.0029 (J)				0.41	
3/26/2019	0.089	0.0015 (J)				0.0045 (J)			0.1
3/27/2019			<0.005				<0.005		
7/30/2019					0.00039 (J)				
8/26/2019									
8/27/2019			<0.005	0.0023 (J)	<0.005		0.00044 (J)		0.17
8/28/2019	0.091	0.0011 (J)				0.002 (J)		0.43	
10/7/2019									
10/8/2019	0.088		<0.005			0.0028 (J)			0.13

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20	GWC-15
10/9/2019		0.0011 (J)		0.0024 (J)	<0.005		<0.005	0.35	
4/6/2020									
4/7/2020	0.091		<0.005	0.0027 (J)		<0.005	0.00043 (J)		0.24
4/8/2020		0.0013 (J)			0.00094 (J)			0.33	
8/17/2020									
8/18/2020	0.045	<0.005	<0.005		<0.005	0.0059	<0.005	0.3	0.28
8/19/2020				0.0033 (J)					
9/28/2020									
9/29/2020			<0.005		<0.005				
9/30/2020	0.044	0.0012 (J)				0.0029 (J)	<0.005	0.31	0.24
10/1/2020				0.0027 (J)					
3/10/2021			<0.005	0.0025 (J)			<0.005		
3/11/2021		0.0009 (J)							
3/12/2021								0.27	0.16
3/15/2021					<0.005				
3/16/2021	0.064					0.0098			
9/21/2021			<0.005	0.0027 (J)			<0.005		
9/22/2021	0.081	<0.005			<0.005	<0.005		0.23	
9/23/2021									0.21
1/31/2022									
2/1/2022	0.095	<0.005				0.02		0.22	
2/2/2022				0.0036 (J)	<0.005				
2/3/2022			<0.005				<0.005		0.23
8/30/2022				0.0049 (J)		0.0271		0.465	
8/31/2022		<0.005	<0.005				<0.005		0.259
9/1/2022	0.0987				<0.005				
1/31/2023									
2/1/2023	0.115	<0.005	<0.005					0.389	
2/2/2023				0.00556	<0.005	0.0323	<0.005		0.207
8/28/2023									
8/29/2023		<0.005		0.0057	<0.005		0.00216 (J)		
9/6/2023	0.12		0.00254 (J)			0.0323		0.258	
9/7/2023									0.287
1/23/2024							<0.005		
1/24/2024		<0.005	<0.005					0.552	0.177
1/25/2024	0.131				<0.005	0.0319			
2/7/2024				0.00903					
2/8/2024									
8/19/2024									
8/20/2024				0.00377 (J)					
8/21/2024	0.131	<0.005	<0.005		<0.005		<0.005	0.423	0.183
8/22/2024						0.00929			
1/27/2025									
1/28/2025		0.00286 (J)	0.00241 (J)	0.00703			<0.005		
1/29/2025	0.143				<0.005	0.0307		0.196	0.253
7/28/2025				0.00507					
7/29/2025		<0.005	<0.005				<0.005	0.186	
7/30/2025	0.17				<0.005	0.028			0.325

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWA-8 (bg)	GWC-14
9/29/2000	0.11	0.16	0.076	0.22	0.028	0.16	0.044	0.16	0.11
11/21/2000	0.12	0.17	0.075	0.13	0.035	0.21	0.047		0.15
1/20/2001	0.11	0.16	0.053	0.19	0.032	0.23	0.051	0.18	0.1
3/14/2001	0.11	0.17	0.055	0.27	0.036	0.22	0.048	0.14	0.095
7/16/2001	0.11	0.19	0.041	0.37	0.036	0.22	0.054	0.14	0.28 (O)
11/1/2001	0.11	0.18	0.045		0.036		0.063	0.14	0.16
11/2/2001				0.61 (O)		0.23			
4/25/2002		0.15	0.055		0.045		0.032		0.054
4/26/2002	0.058			0.19		0.15		0.088	
6/6/2003	0.19	0.13	0.48 (O)	0.72 (O)	0.083	0.13	0.046	0.14	0.063
6/7/2003									
12/12/2003	0.1	0.18	0.13	0.054	0.094	0.034		0.13	0.041
12/17/2003							0.034		
5/26/2004	0.084		0.055	0.18	0.034	0.13	0.035	0.09	
5/27/2004		0.17							0.059
12/8/2004	0.094	0.19	0.072		0.042		0.024	0.11	0.076
12/9/2004									
12/10/2004				0.24		0.13			
6/21/2005	0.089		0.061	0.2		0.07	0.039	0.084	
6/22/2005									
6/23/2005		0.18			0.039				0.042
12/3/2005	0.089				0.043			0.1	0.048
12/4/2005			0.047				0.042		
12/5/2005		0.17		0.074		0.04			
4/4/2006			0.042					0.089	0.05
6/27/2006	0.096			0.075			0.033	0.1	
6/28/2006									
6/29/2006		0.17	0.042		0.031	0.041			0.036
8/30/2006			0.05					0.12	0.059
12/3/2006	0.092							0.086	
12/4/2006		0.21	0.044	0.092	0.043	0.042	0.04		0.062
2/15/2007			0.041					0.088	0.079
6/23/2007	0.08	0.17	0.044	0.089	0.031	0.12	0.044	0.089	0.03
9/11/2007			0.04					0.092	0.053
9/12/2007		0.18		0.087	0.044		0.054		
9/13/2007									
9/14/2007	0.078					0.11			
11/6/2007		0.19	0.035		0.04				0.065
11/7/2007				0.074			0.059		
11/8/2007	0.067					0.11		0.085	
12/11/2007	0.067					0.12		0.077	
12/12/2007		0.18	0.0035	0.072	0.044		0.049		0.075
1/15/2008									
1/16/2008		0.18	0.092		0.041				0.038
1/17/2008				0.07		0.03	0.058		
1/18/2008	0.071							0.084	
3/11/2008			0.034					0.082	0.052
3/12/2008					0.034		0.052		
3/13/2008	0.061	0.17		0.059		0.11			
6/3/2008									
6/4/2008	0.06	0.2		0.046			0.04	0.072	
6/5/2008			0.043		0.037	0.03			0.076

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWA-8 (bg)	GWC-14
6/23/2008	0.056							0.086	
6/24/2008		0.14	0.042	0.049	0.057	0.17	0.038		0.039
7/29/2008	0.055							0.084	
7/30/2008				0.065		0.1			
7/31/2008		0.12	0.042		0.036		0.047		0.033
11/3/2008			0.049					0.088	0.082
12/4/2008	0.054							0.081	0.079
12/5/2008		0.19	0.05	0.067	0.041	0.093	0.06		
3/25/2009			0.052					0.069	0.093
7/7/2009	0.034			0.04		0.06	0.043	0.078	
7/8/2009		0.2	0.046		0.058				0.039
9/14/2009			0.048					0.079	0.061
12/20/2009	0.034		0.062		0.062		0.065	0.081	0.088
12/21/2009		0.23		0.044		0.11			
3/4/2010			0.058					0.065	0.077
6/20/2010	0.062			0.036	0.03	0.11	0.095	0.078	0.075
6/21/2010		0.25	0.041						
9/14/2010			0.036					0.076	0.093
1/6/2011				0.075			0.093		
1/7/2011	0.039	0.21	0.054		0.049	0.025		0.074	0.13
4/15/2011			0.049					0.065	0.086
7/7/2011	0.036		0.063	0.13	0.05	0.025	0.095	0.081	0.051
7/8/2011		0.13							
9/25/2011			0.037					0.078	0.056
1/17/2012	0.041			0.21	0.044		0.1	0.082	0.052
1/18/2012		0.26	0.034			0.03			
4/4/2012			0.0446					0.0861	0.0519
7/9/2012	0.15			0.2	0.045		0.11		0.048
7/10/2012		0.19	0.033			0.028		0.082	
10/9/2012			0.041					0.09	0.065
1/17/2013				0.19			0.12		
1/18/2013	0.15	0.17	0.036		0.049	0.058		0.083	0.045
4/5/2013			0.036					0.078	0.047
7/16/2013				0.076			0.081		
7/17/2013	0.13	0.18	0.054		0.039	0.086		0.083	0.032
10/11/2013			0.052					0.078	0.028
1/13/2014	0.16			0.14	0.038		0.096		
1/14/2014		0.18	0.051			0.1		0.081	0.036
4/3/2014			0.047					0.077	0.038
7/8/2014									
7/9/2014	0.11	0.16	0.08	0.12	0.031	0.082	0.066	0.073	0.03
7/10/2014									
10/24/2014			0.072					0.087	0.025
1/12/2015									
1/13/2015	0.083			0.13	0.041		0.068		
1/14/2015		0.16	0.047			0.094		0.079	0.04
5/10/2015								0.076	0.026
5/11/2015			0.053						
7/16/2015	0.094		0.059	0.12	0.041		0.07		
7/17/2015						0.11		0.061	0.029
7/18/2015		0.012							
10/6/2015			0.053					0.067	0.03

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWA-8 (bg)	GWC-14
1/17/2016			0.056		0.048		0.062		0.038
1/18/2016	0.22	0.13		0.12		0.11		0.068	
1/19/2016									
4/26/2016			0.0721					0.0596	0.025
7/26/2016									
7/27/2016	0.192			0.112	0.0487		0.0417		0.0248
7/28/2016			0.0534			0.105		0.0701	
7/29/2016		0.181							
8/30/2016				0.135		0.106	0.0545	0.0687	
8/31/2016									
9/1/2016	0.415 (O)	0.203	0.0445		0.0403				0.0346
10/24/2016								0.07	
10/25/2016	0.173		0.0464		0.0329		0.0504		0.0248
10/26/2016		0.177		0.103		0.107			
10/27/2016									
1/3/2017				0.118				0.061	
1/4/2017			0.0379				0.0534		
1/5/2017		0.142			0.0392	0.107			0.0245
1/6/2017	0.167								
4/3/2017					0.0439			0.0612	
4/4/2017							0.0549		0.0342
4/5/2017		0.106	0.0534						
4/6/2017	0.136			0.162		0.111			
7/10/2017									
7/11/2017					0.051			0.0624	0.0276
7/12/2017			0.0944	0.157		0.106	0.0614		
7/13/2017	0.0891	0.0686							
10/2/2017					0.047			0.0618	0.0274
10/3/2017			0.135	0.127		0.105	0.0436		
10/4/2017	0.113	0.0589							
1/9/2018	0.0901				0.0431	0.0969		0.0574	0.0222
1/10/2018			0.0603	0.158			0.053		
1/11/2018		0.0412							
7/9/2018								0.056	0.026
7/10/2018			0.16	0.31	0.047	0.087	0.059		
7/11/2018	0.065	0.049							
1/16/2019	0.062	0.063		0.054		0.013 (J)	0.054	0.062	0.028
1/17/2019			0.13		0.042				
1/18/2019									
1/21/2019									
3/25/2019	0.054							0.064	
3/26/2019		0.025	0.14	0.057	0.047	0.012 (J)	0.055		0.034
3/27/2019									
7/30/2019									
8/26/2019	0.11							0.065	
8/27/2019					0.049	0.013	0.054		0.067
8/28/2019		0.026	0.09	0.1					
10/7/2019								0.069	
10/8/2019	0.1		0.13		0.057				0.085
10/9/2019		0.032		0.13		0.014 (J)	0.058		
4/6/2020	0.072							0.057	
4/7/2020			0.13	0.098	0.033	0.01 (J)	0.05		0.073

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWA-8 (bg)	GWC-14
4/8/2020		0.055							
8/17/2020								0.051	
8/18/2020		0.074	0.32		0.03				0.028
8/19/2020	0.1			0.1		0.064	0.057		
9/28/2020	0.095						0.051	0.05	
9/29/2020									0.026
9/30/2020		0.035	0.14	0.16	0.034	0.092			
10/1/2020									
3/10/2021				0.096		0.027	0.052		
3/11/2021	0.07	0.044							
3/12/2021					0.038			0.052	
3/15/2021									
3/16/2021			0.16						0.037
9/21/2021	0.073			0.076		0.077		0.049	
9/22/2021		0.058	0.26						0.11
9/23/2021					0.062		0.062		
1/31/2022	0.1							0.051	
2/1/2022		0.055	0.23						
2/2/2022						0.026			0.1
2/3/2022				0.062	0.061		0.051		
8/30/2022	0.133			0.051		0.0266		0.0512	0.0773
8/31/2022		0.0375			0.055				
9/1/2022			0.165				0.0583		
1/31/2023	0.126							0.0499	
2/1/2023		0.0262	0.163	0.101		0.0233			
2/2/2023					0.0557		0.0466		0.0617
8/28/2023	0.177							0.0483	
8/29/2023		0.0295		0.0643		0.0196	0.0637		
9/6/2023			0.143						0.0833
9/7/2023					0.0573				
1/23/2024	0.236					0.0239	0.0531	0.0571	
1/24/2024		0.029			0.0529				
1/25/2024			0.119						0.0418
2/7/2024									
2/8/2024				0.168					
8/19/2024	0.201								
8/20/2024						0.028	0.0452		
8/21/2024		0.0254	0.111	0.0921	0.0541			0.0576	0.0355
8/22/2024									
1/27/2025								0.0536	
1/28/2025	0.203	0.0275				0.0197			
1/29/2025			0.129	0.153	0.0616		0.0531		0.108
7/28/2025	0.209							0.0537	
7/29/2025		0.0311				0.0207	0.0467		
7/30/2025			0.105	0.129	0.0553				0.0931

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWC-12	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20
9/29/2000	<0.005	0.093	0.075	0.1	0.16				
11/21/2000	0.01	0.095	0.072	0.082	0.16	0.046			
1/20/2001	<0.005	0.089	0.086	0.083	0.21	0.036			
3/14/2001	0.01	0.088	0.088	0.075	0.18	0.03			
7/16/2001	<0.005	0.096	0.084	0.091	0.18	0.032			
11/1/2001	<0.005		0.13	0.068		0.029			
11/2/2001		0.094			0.15				
4/25/2002						0.021			
4/26/2002	<0.005	0.085	0.24 (O)	0.066	0.16				
6/6/2003					0.29	0.032			
6/7/2003	0.028	0.09	0.28 (O)	0.085					
12/12/2003	0.019	0.084	0.27 (O)	0.072	0.18	0.021			
12/17/2003									
5/26/2004					0.16				
5/27/2004	<0.005	0.08	0.31 (O)	0.055		0.035			
12/8/2004			0.46 (O)			0.031			
12/9/2004	0.009	0.098		0.066					
12/10/2004					0.16				
6/21/2005					0.15				
6/22/2005	0.0089	0.084	0.053	0.033					
6/23/2005						0.028			
12/3/2005						0.024			
12/4/2005				0.034					
12/5/2005	0.026	0.07	0.1		0.15				
4/4/2006									
6/27/2006					0.19				
6/28/2006				0.029					
6/29/2006	0.029	0.083	0.098			0.03			
8/30/2006									
12/3/2006	0.017	0.072	0.068	0.02					
12/4/2006					0.26	0.031			
2/15/2007									
6/23/2007	0.014	0.087	0.042	0.017	0.24	0.037			
9/11/2007									
9/12/2007					0.31	0.036			
9/13/2007	0.0097	0.082	0.037	0.014					
9/14/2007									
11/6/2007						0.036			
11/7/2007	0.01		0.04		0.24				
11/8/2007		0.084		0.015					
12/11/2007	0.011	0.082	0.04	0.013					
12/12/2007					0.21	0.034			
1/15/2008	0.011		0.04	0.014					
1/16/2008		0.081				0.031			
1/17/2008					0.13				
1/18/2008									
3/11/2008	0.01		0.034						
3/12/2008		0.081			0.24	0.031			
3/13/2008				0.013					
6/3/2008	0.028		0.034	0.012					
6/4/2008		0.1							
6/5/2008					0.11	0.037			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWC-12	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20
6/23/2008	0.018	0.1	0.041	0.012					
6/24/2008					0.13	0.038			
7/29/2008		0.089		0.01					
7/30/2008	0.016		0.033		0.1				
7/31/2008						0.036			
11/3/2008									
12/4/2008	0.019	0.12	0.035	0.011		0.038			
12/5/2008					0.12				
3/25/2009									
7/7/2009					0.17				
7/8/2009	0.011	0.14	0.036	0.012		0.053			
9/14/2009									
12/20/2009						0.047			
12/21/2009	0.01	0.15	0.028	0.011	0.2				
3/4/2010									
6/20/2010	0.0081	0.21	0.025	0.0089		0.046			
6/21/2010					0.22		0.16	0.11	0.062
9/14/2010									
1/6/2011	0.012			0.014		0.063			
1/7/2011		0.2	0.037		0.12		0.095	0.12	0.039
4/15/2011									
7/7/2011	0.015		0.039	0.018		0.06			
7/8/2011		0.18			0.15		0.1	0.094	0.043
9/25/2011									
1/17/2012	0.0086		0.045	0.23		0.06			
1/18/2012		0.18			0.15		0.12	0.087	0.042
4/4/2012									
7/9/2012	0.01		0.032	0.17		0.05			
7/10/2012		0.16			0.14		0.097	0.1	0.039
10/9/2012									
1/17/2013	0.014		0.033	0.2		0.058			
1/18/2013		0.19			0.15		0.1	0.078	0.04
4/5/2013									
7/16/2013	0.012		0.027	0.11					
7/17/2013		0.17			0.14	0.041	0.069	0.062	0.055
10/11/2013									
1/13/2014	0.015		0.027	0.083		0.058			
1/14/2014		0.2			0.16		0.086	0.073	0.059
4/3/2014									
7/8/2014	0.017		0.037	0.066					
7/9/2014		0.16			0.12	0.048	0.065		
7/10/2014								0.13	0.067
10/24/2014									
1/12/2015					0.13				0.061
1/13/2015	0.019		0.023	0.053		0.048			
1/14/2015		0.17					0.084	0.065	
5/10/2015									
5/11/2015									
7/16/2015	0.022		0.03	0.052	0.11	0.048			
7/17/2015		0.18					0.071		
7/18/2015								0.073	0.13
10/6/2015									

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWC-12	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20
1/17/2016						0.049	0.079		0.08
1/18/2016	0.026	0.2	0.032		0.095			0.062	
1/19/2016				0.048					
4/26/2016									
7/26/2016	0.0236			0.051					
7/27/2016			0.0191			0.0796			
7/28/2016		0.234					0.0626		0.164
7/29/2016					0.0883			0.0575	
8/30/2016									
8/31/2016	0.0273	0.284	0.019	0.0565		0.0429		0.0693	
9/1/2016					0.123		0.077		0.0976
10/24/2016									
10/25/2016							0.0217		0.0702
10/26/2016	0.0238		0.0197	0.0591	0.0863	0.113 (O)		0.0966	
10/27/2016		0.244							
1/3/2017									
1/4/2017			0.0174	0.0598			0.0617	0.0975	0.0999
1/5/2017	0.0218					0.0526			
1/6/2017		0.305			0.0758				
4/3/2017									
4/4/2017					0.091	0.0503	0.0761		0.136
4/5/2017			0.0174						
4/6/2017	0.0204	0.249		0.0813				0.064	
7/10/2017			0.0172						
7/11/2017				0.0302				0.0778	0.145
7/12/2017	0.0161	0.256			0.0941				
7/13/2017						0.0529	0.0428		
10/2/2017									0.148
10/3/2017				0.103		0.057	0.0376		
10/4/2017	0.0185	0.356	0.0162		0.0994			0.156	
1/9/2018							0.0704		
1/10/2018	0.0166					0.0527			0.0788
1/11/2018		0.226	0.018	0.166	0.088			0.0702	
7/9/2018									0.087
7/10/2018						0.054	0.061		
7/11/2018	0.019	0.29	0.014	0.12	0.071			0.12	
1/16/2019	0.019				0.083				
1/17/2019			0.017	0.039			0.061		
1/18/2019		0.21						0.052	
1/21/2019						0.05			0.069
3/25/2019					0.077				0.085
3/26/2019	0.026						0.084		
3/27/2019		0.19	0.017	0.053				0.057	
7/30/2019						0.052			
8/26/2019									
8/27/2019	0.024		0.017	0.12	0.076	0.053		0.097	
8/28/2019		0.17					0.063		0.078
10/7/2019									
10/8/2019	0.024			0.13			0.079		
10/9/2019		0.18	0.019		0.076	0.05		0.065	0.078
4/6/2020									
4/7/2020			0.017	0.14	0.09		0.054	0.1	

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWC-12	GWC-11	GWB-4R	GWC-2	GWC-21	GWC-22	GWC-20
4/8/2020	0.027	0.15				0.061			0.19
8/17/2020	0.024		0.018						
8/18/2020				0.12		0.05	0.18	0.085	0.38
8/19/2020		0.17			0.076				
9/28/2020	0.029								
9/29/2020			0.018	0.14		0.049			
9/30/2020							0.19	0.045	0.35
10/1/2020		0.15			0.077				
3/10/2021		0.15	0.028	0.13	0.07			0.049	
3/11/2021									
3/12/2021									0.34
3/15/2021	0.034					0.053			
3/16/2021							0.18		
9/21/2021	0.037		0.023	0.12	0.098			0.036	
9/22/2021		0.15				0.047	0.046		0.42
9/23/2021									
1/31/2022									
2/1/2022							0.24		0.36
2/2/2022		0.15			0.17	0.052			
2/3/2022	0.038		0.025	0.17				0.038	
8/30/2022			0.0275		0.134		0.191		0.21
8/31/2022	0.0379			0.115				0.0741	
9/1/2022		0.151				0.0508			
1/31/2023									
2/1/2023	0.0367	0.128	0.0256	0.146					0.194
2/2/2023					0.101	0.0461	0.196	0.0456	
8/28/2023									
8/29/2023	0.0712	0.138			0.16	0.0452		0.127	
9/6/2023			0.0273	0.192			0.232		0.178
9/7/2023									
1/23/2024								0.0372	
1/24/2024		0.134		0.146					0.109
1/25/2024	0.0607		0.0267			0.0505	0.203		
2/7/2024					0.178				
2/8/2024									
8/19/2024									
8/20/2024					0.214				
8/21/2024	0.0526	0.149	0.0236	0.126		0.0506		0.0362	0.226
8/22/2024							0.291		
1/27/2025									
1/28/2025				0.132	0.166			0.0297	
1/29/2025	0.055	0.163	0.0209			0.0486	0.26		0.278
7/28/2025					0.202				
7/29/2025				0.111				0.199	0.297
7/30/2025	0.0564	0.173	0.019			0.0484	0.172		

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
9/29/2000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.016	<0.01
11/21/2000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.023	<0.01
1/20/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025	<0.01
3/14/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.021	<0.01
7/16/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.019	<0.01
11/1/2001	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01
11/2/2001				<0.01				0.022	
4/25/2002					<0.01	<0.01	<0.01		<0.01
4/26/2002	<0.01	<0.01	<0.01	<0.01				0.019	
11/20/2002						<0.01		0.024	
11/21/2002		0.006		0.014	0.014		0.0058		0.0041
11/22/2002			<0.01						
6/6/2003	0.037				<0.01	0.005	0.0068	0.021	0.063 (O)
6/7/2003		0.0082	0.003	<0.01					
12/12/2003	0.0044	0.0023	<0.01	<0.01	<0.01		0.0041	0.0066	0.0059
12/17/2003						<0.01			
5/26/2004	<0.01					<0.01	<0.01	0.013	<0.01
5/27/2004		<0.01	<0.01	<0.01	<0.01				
12/8/2004	<0.01				<0.01	<0.01	0.0026		<0.01
12/9/2004		<0.01	<0.01	0.0039					
12/10/2004								0.013	
6/21/2005	<0.01					<0.01		0.0067	<0.01
6/22/2005		<0.01	<0.01	0.002					
6/23/2005					<0.01		<0.01		
12/3/2005	<0.01				<0.01		<0.01		
12/4/2005		<0.01				0.002			<0.01
12/5/2005			<0.01	<0.01				0.0033	
4/4/2006					<0.01				<0.01
6/27/2006	<0.01					<0.01			
6/28/2006		<0.01							
6/29/2006			<0.01	<0.01	<0.01		0.0013	0.0047	<0.01
8/30/2006					<0.01				<0.01
12/3/2006	0.0015	0.0021	0.0017	0.0019					
12/4/2006					0.0042	<0.01	<0.01	0.0084	0.0036
2/15/2007					<0.01				<0.01
6/23/2007	<0.01	0.0017	<0.01	0.0015	<0.01	<0.01	<0.01	0.01	0.0016
9/11/2007					<0.01				<0.01
9/12/2007						<0.01	<0.01		
9/13/2007		0.0014	0.0013	0.0016					
9/14/2007	0.0023							0.0062	
11/6/2007					<0.01		0.0014		<0.01
11/7/2007			<0.01			<0.01			
11/8/2007	0.003	<0.01		0.0014				0.01	
12/11/2007	0.0016	<0.01	<0.01	<0.01				0.0049	
12/12/2007					<0.01	<0.01	<0.01		<0.01
1/15/2008		<0.01	0.0014						
1/16/2008				0.0015	<0.01		<0.01		0.0048
1/17/2008						<0.01		0.007	
1/18/2008	0.002								
3/11/2008			<0.01		<0.01				<0.01
3/12/2008				<0.01		<0.01	<0.01		
3/13/2008	0.0018	<0.01						0.0072	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
6/3/2008		<0.01	<0.01						
6/4/2008	0.0037			0.0027		0.0014			
6/5/2008					0.0038		<0.01	0.0062	<0.01
6/23/2008	0.0019	<0.01	<0.01	0.0015					
6/24/2008					<0.01	<0.01	0.0014	0.032 (O)	<0.01
7/29/2008	0.0026	<0.01		<0.01					
7/30/2008			<0.01					0.0098	
7/31/2008					<0.01	<0.01	<0.01		0.0018
11/3/2008					<0.01				0.0025
12/4/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
12/5/2008						<0.01	<0.01	0.009	<0.01
3/25/2009					<0.01				<0.01
7/7/2009	0.0037					0.0013		0.0044	
7/8/2009		<0.01	<0.01	<0.01	<0.01		<0.01		<0.01
9/14/2009					<0.01				<0.01
12/20/2009	0.0016				<0.01	<0.01	<0.01		<0.01
12/21/2009		<0.01	<0.01	<0.01				0.0055	
3/4/2010					<0.01				<0.01
6/20/2010	<0.01	<0.01	<0.01	0.0015	<0.01	<0.01	<0.01	0.002	
6/21/2010									<0.01
9/14/2010					<0.01				<0.01
1/6/2011		<0.01	<0.01			<0.01			
1/7/2011	0.0033			<0.01	0.0016		<0.01	0.0039	0.0018
4/15/2011					0.0034				<0.01
7/7/2011	0.0044	0.0023	0.0019		<0.01	<0.01	<0.01	0.0031	<0.01
7/8/2011				<0.01					
9/25/2011					0.0013				<0.01
1/17/2012	0.0038	<0.01	<0.01		<0.01	<0.01	<0.01		
1/18/2012				<0.01				0.0023	<0.01
4/4/2012					<0.01				<0.01
7/9/2012	0.022	0.0017	<0.01		<0.01	<0.01	<0.01		
7/10/2012				<0.01				0.0022	<0.01
10/9/2012					0.0019				0.0018
1/17/2013		<0.01	<0.01			<0.01			
1/18/2013	0.034			<0.01	0.0017		<0.01	<0.01	<0.01
4/5/2013					0.0019				<0.01
7/16/2013		<0.01	<0.01			<0.01			
7/17/2013	0.032			<0.01	0.0017		<0.01	<0.01	<0.01
10/11/2013					0.0013				<0.01
1/13/2014	0.04	<0.01	<0.01			<0.01	<0.01		
1/14/2014				<0.01	0.0014			0.0012 (J)	<0.01
4/3/2014					0.0031				<0.01
7/8/2014		<0.01	<0.01						
7/9/2014	0.036			0.0011 (J)	0.0012 (J)	0.0011 (J)	<0.01	<0.01	<0.01
7/10/2014									
10/24/2014					<0.01				<0.01
1/12/2015									
1/13/2015	0.03	<0.01	<0.01			<0.01	<0.01		
1/14/2015				<0.01	0.0013			0.0015	<0.01
5/10/2015					<0.01				
5/11/2015									<0.01
7/16/2015	0.039	<0.01	<0.01			0.0011 (J)	<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
7/17/2015				0.0013	0.001 (J)			0.0011 (J)	
7/18/2015									
10/6/2015					<0.01				<0.01
1/17/2016					0.0012 (J)	<0.01	<0.01		<0.01
1/18/2016	0.068		<0.01	<0.01				0.0011 (J)	
1/19/2016		<0.01							
4/26/2016					<0.01				<0.01
7/26/2016		0.0005 (J)	<0.01						
7/27/2016	0.05 (J)				0.0008 (J)	0.0016 (J)	0.0007 (J)		
7/28/2016				0.0011 (J)				0.001 (J)	0.0006 (J)
7/29/2016									
8/30/2016						0.0015 (J)		0.0013 (J)	
8/31/2016		0.001 (J)	0.0011 (J)	0.0024 (J)					
9/1/2016	0.119 (O)				0.0015 (J)		0.0011 (J)		0.0011 (J)
10/24/2016									
10/25/2016	0.0519				<0.01	0.0018 (J)	<0.01		<0.01
10/26/2016		<0.01	<0.01					0.0014 (J)	
10/27/2016				<0.01					
1/3/2017									
1/4/2017		<0.01				0.0021 (J)			<0.01
1/5/2017			<0.01		0.001 (J)		<0.01	0.002 (J)	
1/6/2017	0.0536			<0.01					
4/3/2017							0.0015 (J)		
4/4/2017					0.001 (J)	0.002 (J)			
4/5/2017									0.001 (J)
4/6/2017	0.0447 (J)	0.0007 (J)	0.0011 (J)	0.0019 (J)				0.0034 (J)	
7/10/2017									
7/11/2017		0.0006 (J)			0.0008 (J)		0.0013 (J)		
7/12/2017			0.0007 (J)	0.0011 (J)		0.0021 (J)		0.0024 (J)	0.0011 (J)
7/13/2017	0.0269								
10/2/2017					0.0009 (J)		0.0013 (J)		
10/3/2017		0.0007 (J)				0.0014 (J)		0.0022 (J)	0.0009 (J)
10/4/2017	0.0378		0.0008 (J)	0.0011 (J)					
1/9/2018	0.0283 (J)				0.0006 (J)		0.0012 (J)	0.0019 (J)	
1/10/2018			0.0007 (J)			0.0017 (J)			0.0007 (J)
1/11/2018		0.0098 (J)		0.001 (J)					
7/9/2018					<0.01				
7/10/2018						0.0021 (J)	<0.01	0.0023 (J)	<0.01
7/11/2018	0.018 (J)	<0.01	0.0019 (J)	<0.01					
1/16/2019	0.018 (J)		<0.01		<0.01	0.0021 (J)		0.018 (J)	
1/17/2019		<0.01					<0.01		0.01 (J)
1/18/2019				<0.01					
1/21/2019									
3/25/2019	0.017 (J)								
3/26/2019			<0.01		<0.01	0.0018 (J)	<0.01	0.017 (J)	<0.01
3/27/2019		<0.01		<0.01					
7/30/2019									
8/26/2019	0.024 (J)								
8/27/2019		0.00092 (J)	<0.01		0.001 (J)	0.0062 (J)	0.0016 (J)	0.0097 (J)	
8/28/2019				0.00089 (J)					0.0011 (J)
10/7/2019									
10/8/2019	0.021 (J)	0.00091 (J)	<0.01		0.00053 (J)		0.0017 (J)		0.00099 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
10/9/2019				0.0009 (J)		0.0019 (J)		0.011 (J)	
4/6/2020	0.015 (J)								
4/7/2020		0.00094 (J)			0.00074 (J)	0.0015 (J)	0.0014 (J)	0.0094 (J)	<0.01
4/8/2020			0.00058 (J)	0.0015 (J)					
8/17/2020			0.00077 (J)						
8/18/2020		0.0015 (J)			0.00059 (J)		0.0018 (J)		0.0012 (J)
8/19/2020	0.015 (J)			0.0013 (J)		0.0028 (J)		0.0037 (J)	
9/28/2020	0.014 (J)		0.00062 (J)			0.0024 (J)			
9/29/2020		0.0011 (J)			<0.01				
9/30/2020							0.0016 (J)	0.0045 (J)	0.00098 (J)
10/1/2020				0.0012 (J)					
3/10/2021		0.0013 (J)		0.0011 (J)		0.0023 (J)		0.006	
3/11/2021	0.02 (J)								
3/12/2021							0.0031 (J)		
3/15/2021			<0.01						
3/16/2021					<0.01				0.0012 (J)
9/21/2021	0.013 (J)	<0.01	<0.01					0.0035 (J)	
9/22/2021				<0.01	<0.01				0.0018 (J)
9/23/2021						0.0023 (J)	0.0013 (J)		
1/31/2022	0.015 (J)								
2/1/2022									<0.01
2/2/2022				0.0012 (J)	<0.01			0.0033 (J)	
2/3/2022		0.0011 (J)	<0.01			0.0019 (J)	0.0016 (J)		
8/30/2022	0.0129				<0.01			0.00356 (J)	
8/31/2022		<0.01	<0.01				<0.01		
9/1/2022				<0.01		<0.01			<0.01
1/31/2023	0.0112								
2/1/2023		<0.01	<0.01	<0.01				0.00365 (J)	<0.01
2/2/2023					<0.01	<0.01	<0.01		
8/28/2023	0.0139								
8/29/2023			<0.01	<0.01		0.00337 (J)		0.00349 (J)	
9/6/2023		<0.01			<0.01				<0.01
9/7/2023							<0.01		
1/23/2024	<0.01					<0.01		0.00402 (J)	
1/24/2024		<0.01		<0.01			<0.01		
1/25/2024			<0.01		<0.01				<0.01
2/7/2024									
2/8/2024									
8/19/2024	0.0123								
8/20/2024						<0.01		0.00339 (J)	
8/21/2024		<0.01	<0.01	<0.01	<0.01		<0.01		<0.01
8/22/2024									
1/27/2025									
1/28/2025	0.0152	<0.01						0.0038 (J)	
1/29/2025			<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
7/28/2025	0.0147								
7/29/2025		<0.01				0.0032 (J)		0.00477 (J)	
7/30/2025			<0.01	<0.01	<0.01		<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
9/29/2000	0.03	0.021	<0.01	<0.01	<0.01				
11/21/2000	<0.01	0.017	<0.01		<0.01	<0.01			
1/20/2001	0.028	0.03	<0.01	<0.01	<0.01	<0.01			
3/14/2001	0.052	0.019	<0.01	<0.01	<0.01	<0.01			
7/16/2001	0.08	0.029	<0.01	<0.01	<0.01	<0.01			
11/1/2001			<0.01	<0.01	<0.01	<0.01			
11/2/2001	0.13 (O)	0.021							
4/25/2002			<0.01			<0.01			
4/26/2002	0.021	0.03		<0.01	<0.01				
11/20/2002	0.053	0.038							
11/21/2002			<0.01	0.0051					
11/22/2002					0.002	<0.01			
6/6/2003	0.064	0.028	<0.01	0.014		<0.01			
6/7/2003					<0.01				
12/12/2003	<0.01	0.027	0.036 (O)	0.011	<0.01	<0.01			
12/17/2003									
5/26/2004	0.012	0.021		<0.01					
5/27/2004			<0.01		<0.01	<0.01			
12/8/2004			0.0021	<0.01	<0.01	<0.01			
12/9/2004									
12/10/2004	0.019	0.016							
6/21/2005	0.02	0.015		<0.01					
6/22/2005					<0.01				
6/23/2005			<0.01			<0.01			
12/3/2005				<0.01		<0.01			
12/4/2005									
12/5/2005	<0.01	0.022	<0.01		<0.01				
4/4/2006				<0.01					
6/27/2006	0.0015	0.027		<0.01					
6/28/2006									
6/29/2006			<0.01		<0.01	<0.01			
8/30/2006				<0.01					
12/3/2006				<0.01	0.0032				
12/4/2006	0.0034	0.025	<0.01			<0.01			
2/15/2007				<0.01					
6/23/2007	<0.01	0.023	<0.01	<0.01	<0.01	<0.01			
9/11/2007				<0.01					
9/12/2007	<0.01	0.017	<0.01			<0.01			
9/13/2007					0.0026				
9/14/2007									
11/6/2007			<0.01			<0.01			
11/7/2007	<0.01	0.022			0.0014				
11/8/2007				<0.01					
12/11/2007				<0.01	<0.01				
12/12/2007	<0.01	0.018	<0.01			<0.01			
1/15/2008					<0.01				
1/16/2008			0.0018			<0.01			
1/17/2008	<0.01	0.019							
1/18/2008				<0.01					
3/11/2008				<0.01	0.003				
3/12/2008		0.014				<0.01			
3/13/2008	<0.01		<0.01						

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
6/3/2008					<0.01				
6/4/2008	<0.01		<0.01	<0.01					
6/5/2008		0.021				<0.01			
6/23/2008				<0.01	0.0016				
6/24/2008	<0.01	0.022	<0.01			<0.01			
7/29/2008				<0.01					
7/30/2008	0.0024	0.02			0.0014				
7/31/2008			<0.01			<0.01			
11/3/2008				<0.01					
12/4/2008				<0.01	<0.01	<0.01			
12/5/2008	0.0016	0.023	<0.01						
3/25/2009				<0.01					
7/7/2009	<0.01	0.012		<0.01					
7/8/2009			<0.01		<0.01	<0.01			
9/14/2009				<0.01					
12/20/2009				<0.01		<0.01			
12/21/2009	<0.01	0.019	<0.01		<0.01				
3/4/2010				<0.01					
6/20/2010	<0.01			<0.01	<0.01	<0.01			
6/21/2010		0.01	<0.01				0.0019	<0.01	<0.01
9/14/2010				<0.01					
1/6/2011	0.0017					<0.01			
1/7/2011		0.023	<0.01	<0.01	<0.01		0.0017	0.0018	<0.01
4/15/2011				<0.01					
7/7/2011	0.008			<0.01	<0.01	<0.01			
7/8/2011		0.017	0.0013				0.0023	0.0019	<0.01
9/25/2011				0.0021					
1/17/2012	0.0082			<0.01	<0.01	<0.01			
1/18/2012		0.0114	<0.01				<0.01	<0.01	<0.01
4/4/2012				<0.01					
7/9/2012	0.01				<0.01	<0.01			
7/10/2012		0.014	<0.01	<0.01			<0.01	0.0013	<0.01
10/9/2012				<0.01					
1/17/2013	0.01				<0.01	<0.01			
1/18/2013		0.015	<0.01	<0.01			<0.01	0.0015	<0.01
4/5/2013				<0.01					
7/16/2013	0.0061				<0.01				
7/17/2013		0.011	<0.01	<0.01		<0.01	0.0019	<0.01	<0.01
10/11/2013				<0.01					
1/13/2014	0.002				<0.01	<0.01			
1/14/2014		0.019	<0.01	<0.01			<0.01	0.0012 (J)	<0.01
4/3/2014				<0.01					
7/8/2014					<0.01				
7/9/2014	<0.01	0.012	<0.01	<0.01		<0.01	<0.01		
7/10/2014								<0.01	<0.01
10/24/2014				<0.01					
1/12/2015		0.016						<0.01	
1/13/2015	<0.01				<0.01	<0.01			
1/14/2015			<0.01	<0.01			<0.01		<0.01
5/10/2015				<0.01					
5/11/2015									
7/16/2015	<0.01	0.0084			0.001 (J)	<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:13 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
7/17/2015				<0.01			<0.01		
7/18/2015			<0.01					<0.01	<0.01
10/6/2015				<0.01					
1/17/2016						<0.01	<0.01	<0.01	
1/18/2016	<0.01	0.014	<0.01	<0.01	<0.01				<0.01
1/19/2016									
4/26/2016				<0.01					
7/26/2016									
7/27/2016	0.0006 (J)				0.0014 (J)	0.0008 (J)			
7/28/2016				<0.01			0.0005 (J)	0.0007 (J)	
7/29/2016		0.0077 (J)	0.0009 (J)						0.0007 (J)
8/30/2016	<0.01			<0.01					
8/31/2016					0.0012 (J)	<0.01			<0.01
9/1/2016		0.015	0.0011 (J)				<0.01	<0.01	
10/24/2016				<0.01					
10/25/2016							<0.01	<0.01	
10/26/2016	<0.01	0.0106	<0.01		0.0012 (J)	0.001 (J)			<0.01
10/27/2016									
1/3/2017	0.001 (J)			<0.01					
1/4/2017					0.0012 (J)		<0.01	<0.01	<0.01
1/5/2017			0.0012 (J)			<0.01			
1/6/2017		0.0098 (J)							
4/3/2017				0.0004 (J)					
4/4/2017		0.0101				0.0008 (J)	0.0008 (J)	0.0011 (J)	
4/5/2017			0.0015 (J)		0.0013 (J)				
4/6/2017	0.0013 (J)								0.0006 (J)
7/10/2017					0.0014 (J)				
7/11/2017				0.0006 (J)				0.0009 (J)	0.0005 (J)
7/12/2017	0.0011 (J)	0.0096 (J)							
7/13/2017			0.0012 (J)			0.0006 (J)	0.0006 (J)		
10/2/2017				<0.01				0.0009 (J)	
10/3/2017	0.0012 (J)					<0.01	0.0005 (J)		
10/4/2017		0.0097 (J)	0.0055 (J)		0.0011 (J)				0.0006 (J)
1/9/2018				<0.01			0.0007 (J)		
1/10/2018	0.0016 (J)					<0.01		0.0008 (J)	
1/11/2018		0.0109	0.0009 (J)		0.001 (J)				<0.01
7/9/2018				<0.01				<0.01	
7/10/2018	0.0055 (J)					<0.01	<0.01		
7/11/2018		0.0055 (J)	<0.01		<0.01				<0.01
1/16/2019	<0.01	0.0024 (J)	<0.01	<0.01					
1/17/2019					0.0028 (J)		0.01		
1/18/2019									<0.01
1/21/2019						<0.01		<0.01	
3/25/2019		0.002 (J)		<0.01				<0.01	
3/26/2019	0.072		<0.01				<0.01		
3/27/2019					<0.01				<0.01
7/30/2019						0.00065 (J)			
8/26/2019				0.001 (J)					
8/27/2019		0.0027 (J)			0.00085 (J)	<0.01			0.00057 (J)
8/28/2019	0.0071 (J)		0.0013 (J)				0.00087 (J)	0.00089 (J)	
10/7/2019				0.00052 (J)					
10/8/2019							0.00065 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
10/9/2019	0.012 (J)	0.002 (J)	0.00081 (J)		0.00081 (J)	0.00049 (J)		0.0011 (J)	0.00072 (J)
4/6/2020				<0.01					
4/7/2020	0.0022 (J)	0.0028 (J)			0.00082 (J)		<0.01		0.00049 (J)
4/8/2020			0.00073 (J)			0.00069 (J)		0.001 (J)	
8/17/2020				0.00082 (J)	0.001 (J)				
8/18/2020			0.0011 (J)			<0.01	0.0012 (J)	0.0011 (J)	0.00056 (J)
8/19/2020	0.0012 (J)	0.0022 (J)							
9/28/2020				0.00071 (J)					
9/29/2020					0.00085 (J)	<0.01			
9/30/2020	0.0018 (J)		0.00096 (J)				0.00067 (J)	0.0013 (J)	0.00064 (J)
10/1/2020		0.002 (J)							
3/10/2021	0.001 (J)	0.003 (J)			0.00091 (J)				<0.01
3/11/2021			0.0009 (J)						
3/12/2021				0.00074 (J)				0.0014 (J)	
3/15/2021						0.0011 (J)			
3/16/2021							0.00075 (J)		
9/21/2021	<0.01	0.0018 (J)		<0.01	<0.01				<0.01
9/22/2021			<0.01			<0.01	<0.01	0.0013 (J)	
9/23/2021									
1/31/2022				<0.01					
2/1/2022			0.0014 (J)				<0.01	0.0036 (J)	
2/2/2022		0.003 (J)				<0.01			
2/3/2022	0.0014 (J)				0.0018 (J)				<0.01
8/30/2022	<0.01	<0.01		<0.01	<0.01		<0.01	<0.01	
8/31/2022			<0.01						<0.01
9/1/2022						<0.01			
1/31/2023				<0.01					
2/1/2023	0.00655 (J)		<0.01		<0.01			0.00503 (J)	
2/2/2023		0.00502 (J)				<0.01	<0.01		<0.01
8/28/2023				<0.01					
8/29/2023	<0.01	0.00389 (J)	<0.01			<0.01			<0.01
9/6/2023					<0.01		<0.01	<0.01	
9/7/2023									
1/23/2024				<0.01					<0.01
1/24/2024			<0.01					<0.01	
1/25/2024					<0.01	<0.01	<0.01		
2/7/2024		0.00352 (J)							
2/8/2024	0.0147								
8/19/2024									
8/20/2024		0.00544 (J)							
8/21/2024	0.00542 (J)		<0.01	<0.01	<0.01	<0.01		<0.01	<0.01
8/22/2024							<0.01		
1/27/2025				<0.01					
1/28/2025		0.00332 (J)	<0.01						<0.01
1/29/2025	<0.01				<0.01	<0.01	<0.01	<0.01	
7/28/2025		0.00648 (J)		<0.01					
7/29/2025			<0.01					<0.01	<0.01
7/30/2025	<0.01				<0.01	<0.01	<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWA-8 (bg)	GWC-12	GWC-11	GWC-15	GWC-13	GWB-4R	GWC-9
9/29/2000	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0083	<0.002
11/21/2000	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	0.0052	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.011	<0.002
11/1/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
11/2/2001								<0.002	<0.002
4/25/2002		<0.002				<0.002			
4/26/2002	<0.002		<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
11/20/2002								0.018 (O)	
11/21/2002		0.011 (O)	<0.002		<0.002	<0.002			0.0086 (O)
11/22/2002				<0.002			<0.002		
6/6/2003	0.037 (O)	<0.002	0.016 (O)			<0.002		0.015 (O)	
6/7/2003				<0.002	0.0068		0.0078		<0.002
12/12/2003	0.008	<0.002	0.0095	<0.002	<0.002	0.0065	0.0055	0.0072	<0.002
12/17/2003									
5/26/2004	<0.002		<0.002			<0.002		0.0055	
5/27/2004		<0.002		<0.002	<0.002		<0.002		<0.002
12/8/2004	<0.002	<0.002	<0.002	<0.002		<0.002			
12/9/2004					<0.002		<0.002		0.0051
12/10/2004								<0.002	
6/21/2005	<0.002		<0.002					<0.002	
6/22/2005				<0.002	<0.002		<0.002		<0.002
6/23/2005		<0.002				<0.002			
12/3/2005	<0.002	<0.002	<0.002			<0.002			
12/4/2005					<0.002				
12/5/2005				<0.002			<0.002	<0.002	<0.002
4/4/2006		<0.002	<0.002						
6/27/2006	<0.002		<0.002					0.024 (O)	
6/28/2006					<0.002				
6/29/2006		<0.002		<0.002		<0.002	<0.002		<0.002
8/30/2006		<0.002	<0.002						
12/3/2006	<0.002		<0.002	<0.002	<0.002		<0.002		<0.002
12/4/2006		<0.002				<0.002		0.023 (O)	
2/15/2007		<0.002	<0.002						
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2007		<0.002	<0.002						
9/12/2007						<0.002		<0.002	
9/13/2007				<0.002	<0.002		<0.002		<0.002
9/14/2007	<0.002								
11/6/2007		<0.002				<0.002			
11/7/2007				<0.002			<0.002	<0.002	
11/8/2007	<0.002		<0.002		<0.002				<0.002
12/11/2007	<0.002		<0.002	<0.002	<0.002		<0.002		<0.002
12/12/2007		<0.002				<0.002		<0.002	
1/15/2008				<0.002	<0.002		<0.002		
1/16/2008		<0.002				<0.002			<0.002
1/17/2008								<0.002	
1/18/2008	<0.002		<0.002						
3/11/2008		<0.002	<0.002	<0.002			<0.002		
3/12/2008						<0.002		<0.002	<0.002
3/13/2008	<0.002				<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWA-8 (bg)	GWC-12	GWC-11	GWC-15	GWC-13	GWB-4R	GWC-9
6/3/2008				<0.002	<0.002		<0.002		
6/4/2008	<0.002		<0.002						<0.002
6/5/2008		<0.002				<0.002		<0.002	
6/23/2008	<0.002		<0.002	<0.002	<0.002		<0.002		<0.002
6/24/2008		<0.002				<0.002		0.02 (O)	
7/29/2008	<0.002		<0.002		<0.002				<0.002
7/30/2008				<0.002			<0.002	0.018	
7/31/2008		<0.002				<0.002			
11/3/2008		<0.002	<0.002						
12/4/2008	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002		<0.002
12/5/2008						<0.002		<0.002	
3/25/2009		<0.002	<0.002						
7/7/2009	<0.002		<0.002					<0.002	
7/8/2009		<0.002		<0.002	<0.002	<0.002	<0.002		<0.002
9/14/2009		<0.002	<0.002						
12/20/2009	<0.002	<0.002	<0.002			<0.002			
12/21/2009				<0.002	<0.002		<0.002	<0.002	<0.002
3/4/2010		<0.002	<0.002						
6/20/2010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
6/21/2010								<0.002	
9/14/2010		<0.002	<0.002						
1/6/2011					<0.002		<0.002		
1/7/2011	<0.002	<0.002	<0.002	<0.002		<0.002		<0.002	<0.002
4/15/2011		<0.002	<0.002						
7/7/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
7/8/2011								<0.002	<0.002
9/25/2011		<0.002	<0.002						
1/17/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/18/2012								<0.002	<0.002
4/4/2012		<0.002	<0.002						
7/9/2012	<0.002	<0.002		<0.002	<0.002	<0.002	<0.002		
7/10/2012			<0.002					<0.002	<0.002
10/9/2012		<0.002	<0.002						
1/17/2013				<0.002	<0.002		<0.002		
1/18/2013	<0.002	<0.002	<0.002			<0.002		<0.002	<0.002
4/5/2013		<0.002	<0.002						
7/16/2013				<0.002	<0.002		<0.002		
7/17/2013	<0.002	<0.002	<0.002			<0.002		<0.002	<0.002
10/11/2013		<0.002	<0.002						
1/13/2014	0.013			0.0035 (J)	<0.002	<0.002	<0.002		
1/14/2014		<0.002	<0.002					0.0047 (J)	<0.002
4/3/2014		<0.002	<0.002						
7/8/2014				<0.002	<0.002		<0.002		
7/9/2014	0.0076 (J)	<0.002	<0.002			<0.002		<0.002	<0.002
7/10/2014									
10/24/2014		<0.002	<0.002						
1/12/2015								<0.002	
1/13/2015	0.0057 (J)			<0.002	<0.002	<0.002	<0.002		
1/14/2015		<0.002	<0.002						<0.002
5/10/2015		<0.002	<0.002						
5/11/2015									
7/16/2015	0.009 (J)			0.0044 (J)	<0.002	<0.002	<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWA-8 (bg)	GWC-12	GWC-11	GWC-15	GWC-13	GWB-4R	GWC-9
7/17/2015		<0.002	<0.002						<0.002
7/18/2015									
10/6/2015			<0.002						
1/17/2016		<0.002				<0.002			
1/18/2016	0.0094 (J)		<0.002	0.0034 (J)			<0.002	0.0055 (J)	<0.002
1/19/2016					<0.002				
4/26/2016		<0.002	<0.002						
7/26/2016					0.0001 (J)		<0.002		
7/27/2016	0.0058	<0.002		0.0001 (J)		<0.002			
7/28/2016			<0.002						<0.002
7/29/2016								0.003 (J)	
8/30/2016			<0.002						
8/31/2016				0.0001 (J)	0.0002 (J)		<0.002		0.0007 (J)
9/1/2016	0.0663 (O)	<0.002				<0.002		0.0166 (O)	
10/24/2016			<0.002						
10/25/2016	0.0003 (J)	<0.002				<0.002			
10/26/2016				0.0001 (J)	0.0001 (J)		<0.002	0.0057	
10/27/2016									<0.002
1/3/2017			0.0001 (J)						
1/4/2017				<0.002	0.0002 (J)				
1/5/2017		<0.002				<0.002	0.0002 (J)		
1/6/2017	0.006							0.0053	<0.002
4/3/2017			0.0002 (J)			0.0003 (J)			
4/4/2017		0.0001 (J)						0.0092	
4/5/2017				0.0003 (J)					
4/6/2017	0.0109				0.0003 (J)		0.0005 (J)		0.0001 (J)
7/10/2017				0.0003 (J)					
7/11/2017		8E-05 (J)	0.0001 (J)		0.0002 (J)	0.0001 (J)			
7/12/2017							0.0005 (J)	0.006	<0.002
7/13/2017	0.007								
10/2/2017		0.0001 (J)	0.0001 (J)			0.0002 (J)			
10/3/2017					0.0003 (J)				
10/4/2017	0.0042 (J)			0.0001 (J)			0.0007 (J)	0.0057	9E-05 (J)
1/9/2018	0.0098	<0.002	0.0001 (J)			0.0002 (J)			
1/10/2018							0.0009 (J)		
1/11/2018				0.0002 (J)	0.0003 (J)			0.0085	0.0002 (J)
7/9/2018		<0.002	<0.002						
7/10/2018						<0.002			
7/11/2018	0.0028 (J)			<0.002	<0.002		0.0015 (J)	0.0029 (J)	<0.002
1/16/2019	<0.025 (O)	<0.002	<0.002				0.00061 (J)	<0.002	
1/17/2019				<0.002	0.00028 (J)	<0.002			
1/18/2019									<0.002
1/21/2019									
3/25/2019	0.0019 (J)		<0.002					<0.002	
3/26/2019		<0.002				<0.002	<0.002		
3/27/2019				<0.002	0.00029 (J)				<0.002
7/30/2019									
8/26/2019	0.013 (J)		<0.002						
8/27/2019		0.00051 (J)		<0.002	0.00021 (J)	0.00033 (J)	0.0001 (J)	0.001 (J)	
8/28/2019									6.1E-05 (J)
10/7/2019			<0.002						
10/8/2019	0.0098 (J)	<0.002			0.00028 (J)	0.00012 (J)	0.00013 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWA-8 (bg)	GWC-12	GWC-11	GWC-15	GWC-13	GWB-4R	GWC-9
10/9/2019				6.6E-05 (J)				0.00041 (J)	<0.002
4/6/2020	0.0024 (J)		0.0001 (J)						
4/7/2020		<0.002		8.1E-05 (J)	0.00036 (J)	8.6E-05 (J)		0.00073 (J)	
4/8/2020							0.00017 (J)		0.00021 (J)
8/17/2020			<0.002	4.9E-05 (J)			7.6E-05 (J)		
8/18/2020		<0.002			0.00035 (J)	9E-05 (J)			
8/19/2020	0.0044 (J)							0.00048 (J)	9.6E-05 (J)
9/28/2020	0.0043 (J)		<0.002				6.4E-05 (J)		
9/29/2020		<0.002		3.7E-05 (J)	0.00032 (J)				
9/30/2020						4.7E-05 (J)			
10/1/2020								0.00026 (J)	3.8E-05 (J)
3/10/2021				6.8E-05 (J)	0.00042 (J)			0.0003 (J)	0.00012 (J)
3/11/2021	0.0079								
3/12/2021			9.3E-05 (J)			5.3E-05 (J)			
3/15/2021							0.00013 (J)		
3/16/2021		<0.002							
9/21/2021	<0.002		<0.002	<0.002	<0.002		<0.002	<0.002	
9/22/2021		<0.002							<0.002
9/23/2021						<0.002			
1/31/2022	<0.002		<0.002						
2/1/2022									
2/2/2022		<0.002						<0.002	<0.002
2/3/2022				<0.002	<0.002	<0.002	<0.002		
8/30/2022	0.0022	<0.002	<0.002	<0.002				<0.002	
8/31/2022					<0.002	<0.002	<0.002		
9/1/2022									<0.002
1/31/2023	0.00126 (J)		0.0104						
2/1/2023				<0.002	<0.002		<0.002		<0.002
2/2/2023		<0.002				<0.002		<0.002	
8/28/2023	0.0017 (J)		0.000566 (J)						
8/29/2023							<0.002	<0.002	<0.002
9/6/2023		<0.002		<0.002	<0.002				
9/7/2023						<0.002			
1/23/2024	0.00133 (J)		<0.002						
1/24/2024					<0.002	<0.002			<0.002
1/25/2024		<0.002		<0.002			<0.002		
2/7/2024								<0.002	
2/8/2024									
8/19/2024	0.000838 (J)								
8/20/2024								<0.002	
8/21/2024		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002
8/22/2024									
1/27/2025			<0.002						
1/28/2025	0.000726 (J)				<0.002			<0.002	
1/29/2025		<0.002		<0.002		<0.002	<0.002		<0.002
7/28/2025	0.000999 (J)		<0.002					<0.002	
7/29/2025					<0.002				
7/30/2025		<0.002		<0.002		<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWC-17	GWC-16	GWC-2	GWB-5R	GWC-22	GWC-20	GWC-21
9/29/2000	<0.002	<0.002	<0.002	<0.002		0.017 (O)			
11/21/2000	<0.002	<0.002	<0.002	<0.002	0.0069	<0.002			
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	0.011			
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	0.026 (O)			
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	0.043 (O)			
11/1/2001	<0.002		<0.002	<0.002	<0.002				
11/2/2001		<0.002				0.075 (O)			
4/25/2002	<0.002		<0.002	<0.002	<0.002				
4/26/2002		<0.002				<0.002			
11/20/2002	<0.002	0.0057				0.057 (O)			
11/21/2002			<0.002	<0.002					
11/22/2002					<0.002				
6/6/2003	<0.002	0.013	<0.002	0.099 (O)	<0.002	0.16 (O)			
6/7/2003									
12/12/2003		<0.002	<0.002	0.017 (O)	<0.002	<0.002			
12/17/2003	<0.002								
5/26/2004	<0.002	<0.002		<0.002		0.011			
5/27/2004			<0.002		<0.002				
12/8/2004	<0.002		<0.002	<0.002	<0.002				
12/9/2004									
12/10/2004		<0.002				0.038 (O)			
6/21/2005	<0.002	<0.002		<0.002		0.036 (O)			
6/22/2005									
6/23/2005			<0.002		<0.002				
12/3/2005					<0.002				
12/4/2005	<0.002			<0.002					
12/5/2005		<0.002	<0.002			<0.002			
4/4/2006				<0.002					
6/27/2006	<0.002					<0.002			
6/28/2006									
6/29/2006		<0.002	<0.002	<0.002	<0.002				
8/30/2006				<0.002					
12/3/2006									
12/4/2006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
2/15/2007				<0.002					
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
9/11/2007				<0.002					
9/12/2007	<0.002		<0.002		<0.002	<0.002			
9/13/2007									
9/14/2007		<0.002							
11/6/2007			<0.002	<0.002	<0.002				
11/7/2007	<0.002					<0.002			
11/8/2007		<0.002							
12/11/2007		<0.002							
12/12/2007	<0.002		<0.002	<0.002	<0.002	<0.002			
1/15/2008									
1/16/2008			<0.002	<0.002	<0.002				
1/17/2008	<0.002	<0.002				<0.002			
1/18/2008									
3/11/2008				<0.002					
3/12/2008	<0.002				<0.002				
3/13/2008		<0.002	<0.002			<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWC-17	GWC-16	GWC-2	GWB-5R	GWC-22	GWC-20	GWC-21
6/3/2008									
6/4/2008	<0.002		<0.002			<0.002			
6/5/2008		<0.002		<0.002	<0.002				
6/23/2008									
6/24/2008	<0.002	0.02	<0.002	<0.002	<0.002	<0.002			
7/29/2008									
7/30/2008		<0.002				<0.002			
7/31/2008	<0.002		<0.002	<0.002	<0.002				
11/3/2008				<0.002					
12/4/2008					<0.002				
12/5/2008	<0.002	<0.002	<0.002	<0.002		<0.002			
3/25/2009				<0.002					
7/7/2009	<0.002	<0.002				<0.002			
7/8/2009			<0.002	<0.002	<0.002				
9/14/2009				<0.002					
12/20/2009	<0.002			<0.002	<0.002				
12/21/2009		<0.002	<0.002			<0.002			
3/4/2010				<0.002					
6/20/2010	<0.002	<0.002			<0.002	<0.002			
6/21/2010			<0.002	<0.002			<0.002	<0.002	<0.002
9/14/2010				<0.002					
1/6/2011	<0.002				<0.002	<0.002			
1/7/2011		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
4/15/2011				<0.002					
7/7/2011	<0.002	<0.002		<0.002	<0.002	<0.002			
7/8/2011			<0.002				<0.002	<0.002	<0.002
9/25/2011				<0.002					
1/17/2012	<0.002				<0.002	<0.002			
1/18/2012		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
4/4/2012				<0.002					
7/9/2012	<0.002				<0.002	<0.002			
7/10/2012		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
10/9/2012				<0.002					
1/17/2013	<0.002				<0.002	<0.002			
1/18/2013		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
4/5/2013				<0.002					
7/16/2013	<0.002					<0.002			
7/17/2013		<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
10/11/2013				<0.002					
1/13/2014	<0.002				<0.002	<0.002			
1/14/2014		<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
4/3/2014				<0.002					
7/8/2014									
7/9/2014	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002
7/10/2014							<0.002	<0.002	
10/24/2014				<0.002					
1/12/2015								<0.002	
1/13/2015	<0.002				<0.002	<0.002			
1/14/2015		<0.002	<0.002	<0.002			<0.002		<0.002
5/10/2015									
5/11/2015				<0.002					
7/16/2015	<0.002			<0.002	<0.002	<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWC-17	GWC-16	GWC-2	GWB-5R	GWC-22	GWC-20	GWC-21
7/17/2015		<0.002							<0.002
7/18/2015			<0.002				<0.002	<0.002	
10/6/2015									
1/17/2016	<0.002			<0.002	<0.002			<0.002	<0.002
1/18/2016		<0.002	<0.002			<0.002	<0.002		
1/19/2016									
4/26/2016				<0.002					
7/26/2016									
7/27/2016	<0.002				<0.002	<0.002			
7/28/2016		<0.002		<0.002				<0.002	<0.002
7/29/2016			<0.002				0.0004 (J)		
8/30/2016	<0.002	<0.002				<0.002			
8/31/2016					<0.002		0.0003 (J)		
9/1/2016			<0.002	<0.002				<0.002	<0.002
10/24/2016									
10/25/2016	<0.002			0.0002 (J)				0.0001 (J)	<0.002
10/26/2016		<0.002	<0.002		<0.002	0.0002 (J)	0.0003 (J)		
10/27/2016									
1/3/2017						0.0001 (J)			
1/4/2017	<0.002			0.0001 (J)			0.0003 (J)	<0.002	<0.002
1/5/2017		0.0003 (J)	<0.002		<0.002				
1/6/2017									
4/3/2017									
4/4/2017	<0.002				0.0002 (J)			7E-05 (J)	9E-05 (J)
4/5/2017			0.0009 (J)	0.0002 (J)					
4/6/2017		0.0002 (J)				0.0003 (J)	0.0003 (J)		
7/10/2017									
7/11/2017							0.0002 (J)	<0.002	
7/12/2017	<0.002	0.0002 (J)		0.0001 (J)		0.0002 (J)			
7/13/2017			<0.002		0.0003 (J)				7E-05 (J)
10/2/2017								<0.002	
10/3/2017	<0.002	0.0001 (J)		0.0001 (J)	<0.002	0.0002 (J)			0.0001 (J)
10/4/2017			0.0001 (J)				0.0008 (J)		
1/9/2018		0.0003 (J)							9E-05 (J)
1/10/2018	0.0001 (J)			0.0002 (J)	8E-05 (J)	0.0003 (J)		0.0002 (J)	
1/11/2018			0.0001 (J)				0.0009 (J)		
7/9/2018								<0.002	
7/10/2018	<0.002	<0.002		<0.002	<0.002	<0.002			<0.002
7/11/2018			<0.002				0.001 (J)		
1/16/2019	<0.002	<0.002	<0.002			<0.002			
1/17/2019				<0.002					<0.002
1/18/2019							0.0012 (J)		
1/21/2019					<0.002			<0.002	
3/25/2019								<0.002	
3/26/2019	<0.002	<0.002	<0.002	<0.002		<0.002			<0.002
3/27/2019							0.00047 (J)		
7/30/2019					0.0002 (J)				
8/26/2019									
8/27/2019	<0.002	0.0011 (J)			<0.002		0.003 (J)		
8/28/2019			<0.002	0.0001 (J)		0.0011 (J)		6.5E-05 (J)	0.00018 (J)
10/7/2019									
10/8/2019				0.0001 (J)					0.00016 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWC-17	GWC-16	GWC-2	GWB-5R	GWC-22	GWC-20	GWC-21
10/9/2019	<0.002	0.00033 (J)	0.00015 (J)		6.4E-05 (J)	0.0025 (J)	0.00032 (J)	0.00018 (J)	
4/6/2020									
4/7/2020	0.00012 (J)	0.00063 (J)		0.00023 (J)		0.0014 (J)	0.00067 (J)		<0.002
4/8/2020			8.4E-05 (J)		<0.002			<0.002	
8/17/2020									
8/18/2020			0.00014 (J)	0.00017 (J)	<0.002		0.00072 (J)	<0.002	0.00027 (J)
8/19/2020	<0.002	0.00014 (J)				7.9E-05 (J)			
9/28/2020	4.3E-05 (J)								
9/29/2020					<0.002				
9/30/2020		8E-05 (J)	6E-05 (J)	9.1E-05 (J)		0.0012 (J)	0.00023 (J)	<0.002	5.4E-05 (J)
10/1/2020									
3/10/2021	0.0001 (J)	9.6E-05 (J)				5.2E-05 (J)	0.00016 (J)		
3/11/2021			0.00019 (J)						
3/12/2021								<0.002	
3/15/2021					4.1E-05 (J)				
3/16/2021				7.3E-05 (J)					<0.002
9/21/2021		<0.002				<0.002	<0.002		
9/22/2021			<0.002	<0.002	<0.002			<0.002	<0.002
9/23/2021	<0.002								
1/31/2022									
2/1/2022			<0.002	<0.002				<0.002	<0.002
2/2/2022		<0.002			<0.002				
2/3/2022	<0.002					<0.002	<0.002		
8/30/2022		<0.002				<0.002		<0.002	<0.002
8/31/2022			<0.002				<0.002		
9/1/2022	<0.002			<0.002	<0.002				
1/31/2023									
2/1/2023		<0.002	<0.002	<0.002		<0.002		<0.002	
2/2/2023	<0.002				<0.002		<0.002		<0.002
8/28/2023									
8/29/2023	<0.002	<0.002	<0.002		<0.002	<0.002	0.000511 (J)		
9/6/2023				<0.002				<0.002	<0.002
9/7/2023									
1/23/2024	<0.002	<0.002					<0.002		
1/24/2024			<0.002					<0.002	
1/25/2024				<0.002	<0.002				<0.002
2/7/2024									
2/8/2024						<0.002			
8/19/2024									
8/20/2024	<0.002	<0.002							
8/21/2024			<0.002	<0.002	<0.002	0.000522 (J)	<0.002	<0.002	
8/22/2024									<0.002
1/27/2025									
1/28/2025		<0.002	<0.002				<0.002		
1/29/2025	<0.002			<0.002	<0.002	<0.002		<0.002	<0.002
7/28/2025									
7/29/2025	<0.002	<0.002	<0.002				<0.002	<0.002	
7/30/2025				<0.002	<0.002	<0.002			<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
9/29/2000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/21/2000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.052
1/20/2001	<0.005	0.014 (O)	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	0.053
3/14/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.049
7/16/2001	<0.005	0.015 (O)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.038
11/1/2001	<0.005				<0.005		<0.005	<0.005	0.022
11/2/2001		0.012 (O)	<0.005	<0.005		<0.005			
4/25/2002					0.012				0.1
4/26/2002	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
11/20/2002		0.026 (O)	0.0064	0.008	0.19 (O)				
11/21/2002						<0.005	<0.005		0.018
11/22/2002								<0.005	
6/6/2003	<0.005	0.022 (O)	0.011	0.0066	0.32 (O)				<0.005
6/7/2003						<0.005	<0.005	<0.005	
12/12/2003	<0.005	0.028 (O)	<0.005	0.0056		<0.005	<0.005	<0.005	<0.005
12/17/2003					0.013				
5/26/2004	<0.005	0.012 (O)	0.007	0.0084	0.017				
5/27/2004						<0.005	<0.005	<0.005	0.023
12/8/2004	<0.005				0.011			<0.005	0.019
12/9/2004						<0.005	<0.005		
12/10/2004		0.0073	<0.005	<0.005					
6/21/2005	<0.005	0.0087	0.0063	0.0062	0.0088				
6/22/2005						0.0062	<0.005	<0.005	
6/23/2005									0.019
12/3/2005	<0.005								0.0095
12/4/2005					0.011		<0.005		
12/5/2005		0.013 (O)	<0.005	<0.005		<0.005		<0.005	
4/4/2006									0.033
6/27/2006	<0.005	<0.005	<0.005		<0.005				
6/28/2006							<0.005		
6/29/2006				<0.005		<0.005		<0.005	<0.005
8/30/2006									<0.005
12/3/2006	<0.005					<0.005	<0.005	<0.005	
12/4/2006		<0.005	<0.005	<0.005	<0.005				0.032
2/15/2007									0.034
6/23/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2007									0.022
9/12/2007		<0.005	<0.005		<0.005				
9/13/2007						<0.005	<0.005	<0.005	
9/14/2007	<0.005			<0.005					
11/6/2007									0.047
11/7/2007		<0.005	<0.005		<0.005			<0.005	
11/8/2007	<0.005			<0.005		<0.005	<0.005		
12/11/2007	<0.005			<0.005		<0.005	<0.005	<0.005	
12/12/2007		<0.005	<0.005		<0.005				0.045
1/15/2008							<0.005	<0.005	
1/16/2008						<0.005			<0.005
1/17/2008		<0.005	<0.005	<0.005	<0.005				
1/18/2008	<0.005								
3/11/2008								<0.005	0.02
3/12/2008		<0.005			<0.005	<0.005			
3/13/2008	<0.005		<0.005	<0.005			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
6/3/2008							<0.005	<0.005	
6/4/2008	<0.005		<0.005		<0.005	<0.005			
6/5/2008		<0.005		<0.005					0.065
6/23/2008	<0.005					<0.005	<0.005	<0.005	
6/24/2008		<0.005	<0.005	<0.005	<0.005				<0.005
7/29/2008	<0.005					<0.005	<0.005		
7/30/2008		<0.005	<0.005	<0.005				<0.005	
7/31/2008					<0.005				<0.005
11/3/2008									0.052
12/4/2008	<0.005					<0.005	<0.005	<0.005	0.054
12/5/2008		<0.005	<0.005	<0.005	<0.005				
3/25/2009									0.072
7/7/2009	<0.005	<0.005	<0.005	<0.005	<0.005				
7/8/2009						<0.005	<0.005	<0.005	0.021
9/14/2009									0.015
12/20/2009	<0.005				<0.005				0.072
12/21/2009		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
3/4/2010									0.083
6/20/2010	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
6/21/2010		<0.005							
9/14/2010									0.085
1/6/2011			<0.005		<0.005		<0.005		
1/7/2011	<0.005	<0.005		<0.005		<0.005		<0.005	0.028
4/15/2011									<0.005
7/7/2011	<0.005		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
7/8/2011		<0.005				<0.005			
9/25/2011									0.02
1/17/2012	<0.005		<0.005		<0.005		0.023	<0.005	0.016
1/18/2012		<0.005		<0.005		<0.005			
4/4/2012									0.0156
7/9/2012	<0.005		<0.005		<0.005		0.016	<0.005	<0.005
7/10/2012		<0.005		<0.005		<0.005			
10/9/2012									0.0094
1/17/2013			<0.005		<0.005		0.033	<0.005	
1/18/2013	0.009	<0.005		<0.005		<0.005			0.0067
4/5/2013									0.0077
7/16/2013			<0.005		0.012		0.0068	<0.005	
7/17/2013	0.011	<0.005		<0.005		<0.005			0.01
10/11/2013									0.0087
1/13/2014	0.012		<0.005		<0.005		0.036	<0.005	
1/14/2014		<0.005		<0.005		<0.005			0.012
4/3/2014									0.022
7/8/2014							0.017	<0.005	
7/9/2014	0.011	<0.005	<0.005	<0.005	<0.005	<0.005			0.0089
7/10/2014									
10/24/2014									0.017
1/12/2015		<0.005							
1/13/2015	0.0092		<0.005		<0.005		0.027	<0.005	
1/14/2015				<0.005		<0.005			<0.005
5/10/2015									<0.005
5/11/2015									
7/16/2015	0.014	<0.005	<0.005		<0.005		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
7/17/2015				<0.005		<0.005			<0.005
7/18/2015									
10/6/2015									<0.005
1/17/2016					0.023				<0.005
1/18/2016	0.023	<0.005	<0.005	<0.005		<0.005		<0.005	
1/19/2016							0.023		
4/26/2016									0.00428 (J)
7/26/2016							0.0056 (J)		
7/27/2016	0.0323 (J)		<0.005		0.002 (J)			0.0025 (J)	0.0038 (J)
7/28/2016				<0.005		<0.005			
7/29/2016		0.0036 (J)							
8/30/2016			<0.005	<0.005	0.002 (J)				
8/31/2016						<0.005	0.0084 (J)	0.0019 (J)	
9/1/2016	0.0438	0.0067 (J)							0.0056 (J)
10/24/2016									
10/25/2016	0.031				0.0022 (J)				0.0023 (J)
10/26/2016		0.0042 (J)	<0.005	<0.005			0.0052 (J)	0.002 (J)	
10/27/2016						<0.005			
1/3/2017			<0.005						
1/4/2017					0.0016 (J)		0.0062 (J)	<0.005	
1/5/2017				0.0014 (J)					0.0038 (J)
1/6/2017	0.0324	0.0042 (J)				<0.005			
4/3/2017									
4/4/2017		0.0043 (J)			0.0052 (J)				0.0064 (J)
4/5/2017								<0.005	
4/6/2017	0.0188 (J)		<0.005	<0.005		<0.005	0.0195		
7/10/2017								<0.005	
7/11/2017							<0.005		0.0044 (J)
7/12/2017		0.0033 (J)	<0.005	<0.005	0.0024 (J)	<0.005			
7/13/2017	0.0118								
10/2/2017									0.004 (J)
10/3/2017			<0.005	<0.005	<0.005		0.0079 (J)		
10/4/2017	0.0195	0.0038 (J)				<0.005		<0.005	
1/9/2018	<0.005			<0.005					0.0019 (J)
1/10/2018			<0.005		0.0018 (J)				
1/11/2018		0.0029 (J)				<0.005	0.0054 (J)	<0.005	
7/9/2018									0.0029 (J)
7/10/2018			0.0018 (J)	0.0016 (J)	0.0026 (J)				
7/11/2018	<0.005	0.0015 (J)				<0.005	0.0022 (J)	<0.005	
1/16/2019	0.0071 (J)	<0.005	<0.005	<0.005	0.0018 (J)				0.0016 (J)
1/17/2019							<0.005	<0.005	
1/18/2019						<0.005			
1/21/2019									
3/25/2019	<0.005	<0.005							
3/26/2019			<0.005	0.0068 (J)	0.0023 (J)				0.0022 (J)
3/27/2019						<0.005	0.0014 (J)	<0.005	
7/30/2019									
8/26/2019	<0.005								
8/27/2019		<0.005		0.0033 (J)	0.0016 (J)		<0.005	<0.005	0.0035 (J)
8/28/2019			0.0033 (J)			<0.005			
10/7/2019									
10/8/2019	0.0072 (J)						<0.005		0.0026 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
10/9/2019		<0.005	0.0073 (J)	<0.005	0.0024 (J)	<0.005		<0.005	
4/6/2020	0.0078 (J)								
4/7/2020		0.0025 (J)	<0.005	<0.005	0.0013 (J)		0.0021 (J)	<0.005	0.005 (J)
4/8/2020						<0.005			
8/17/2020								<0.005	
8/18/2020							0.0028 (J)		0.0029 (J)
8/19/2020	<0.005	<0.005	<0.005	<0.005	0.002 (J)	<0.005			
9/28/2020	0.01 (J)				<0.005				
9/29/2020							0.0024 (J)	<0.005	0.0051 (J)
9/30/2020			<0.005	0.0023 (J)					
10/1/2020		<0.005				<0.005			
3/10/2021		0.0021 (J)	0.006	0.0049 (J)	0.0026 (J)	<0.005	0.0044 (J)	0.003 (J)	
3/11/2021	<0.005								
3/12/2021									
3/15/2021									
3/16/2021									0.0034 (J)
9/21/2021	<0.005	<0.005	<0.005	0.0016 (J)			0.0038 (J)	<0.005	
9/22/2021						<0.005			0.0034 (J)
9/23/2021					0.0018 (J)				
1/31/2022	<0.005								
2/1/2022									
2/2/2022		<0.005		0.0017 (J)		<0.005			0.0038 (J)
2/3/2022			<0.005		0.0022 (J)		0.019	<0.005	
8/30/2022	0.0063	0.00265 (J)	<0.005	0.00277 (J)				<0.005	0.00544
8/31/2022							0.00344 (J)		
9/1/2022					0.00252 (J)	<0.005			
1/31/2023	0.00443 (J)								
2/1/2023			0.00187 (J)	0.00182 (J)		<0.005	0.00333 (J)	<0.005	
2/2/2023		0.00466 (J)			0.0022 (J)				0.0035 (J)
8/28/2023	0.00544								
8/29/2023		0.00261 (J)	<0.005	0.00204 (J)	0.00182 (J)	<0.005			
9/6/2023							0.0036 (J)	<0.005	0.00516
9/7/2023									
1/23/2024	0.00657			0.00223 (J)	0.00168 (J)				
1/24/2024						<0.005	0.00303 (J)		
1/25/2024								<0.005	0.00311 (J)
2/7/2024		0.00258 (J)							
2/8/2024			0.00485 (J)						
8/19/2024	0.00709								
8/20/2024		0.00381 (J)		0.00254 (J)	0.00155 (J)				
8/21/2024			0.00214 (J)			<0.005	0.00627	<0.005	0.00337 (J)
8/22/2024									
1/27/2025									
1/28/2025	0.00916	0.0032 (J)		0.00297 (J)			0.00324 (J)		
1/29/2025			<0.005		0.00158 (J)	<0.005		<0.005	0.00353 (J)
7/28/2025	0.00876	0.00415 (J)							
7/29/2025				0.00255 (J)	0.00202 (J)		0.00252 (J)		
7/30/2025			<0.005			<0.005		<0.005	0.00432 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWA-8 (bg)	GWC-17	GWC-2	GWC-22	GWC-20	GWC-21
9/29/2000	<0.005	<0.005	<0.005	<0.005				
11/21/2000	<0.005	<0.005		<0.005	<0.005			
1/20/2001	<0.005	<0.005	<0.005	<0.005	<0.005			
3/14/2001	<0.005	<0.005	<0.005	<0.005	<0.005			
7/16/2001	<0.005	<0.005	<0.005	<0.005	<0.005			
11/1/2001	<0.005	<0.005	<0.005	<0.005	<0.005			
11/2/2001								
4/25/2002	<0.005	<0.005		<0.005	<0.005			
4/26/2002			<0.005					
11/20/2002								
11/21/2002	0.0094	<0.005	<0.005	<0.005				
11/22/2002					<0.005			
6/6/2003	0.021 (O)	0.021 (O)	<0.005	<0.005	<0.005			
6/7/2003								
12/12/2003	0.016 (O)	0.0078	<0.005	<0.005	<0.005			
12/17/2003								
5/26/2004	<0.005	0.0053	<0.005					
5/27/2004				<0.005	0.005			
12/8/2004	<0.005	<0.005	<0.005	<0.005	<0.005			
12/9/2004								
12/10/2004								
6/21/2005		<0.005	<0.005					
6/22/2005								
6/23/2005	<0.005			<0.005	<0.005			
12/3/2005	<0.005		<0.005		<0.005			
12/4/2005		<0.005						
12/5/2005				<0.005				
4/4/2006		<0.005	<0.005					
6/27/2006			<0.005					
6/28/2006								
6/29/2006	<0.005	<0.005		<0.005	<0.005			
8/30/2006		<0.005	<0.005					
12/3/2006			<0.005					
12/4/2006	<0.005	<0.005		<0.005	<0.005			
2/15/2007		<0.005	<0.005					
6/23/2007	<0.005	<0.005	<0.005	<0.005	<0.005			
9/11/2007		<0.005	<0.005					
9/12/2007	<0.005			<0.005	<0.005			
9/13/2007								
9/14/2007								
11/6/2007	<0.005	<0.005		<0.005	<0.005			
11/7/2007								
11/8/2007			<0.005					
12/11/2007			<0.005					
12/12/2007	<0.005	<0.005		<0.005	<0.005			
1/15/2008								
1/16/2008	<0.005	0.064		<0.005	<0.005			
1/17/2008								
1/18/2008			<0.005					
3/11/2008		<0.005	<0.005					
3/12/2008	<0.005				<0.005			
3/13/2008				<0.005				

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWA-8 (bg)	GWC-17	GWC-2	GWC-22	GWC-20	GWC-21
6/3/2008								
6/4/2008			<0.005	<0.005				
6/5/2008	<0.005	<0.005			<0.005			
6/23/2008			<0.005					
6/24/2008	<0.005	<0.005		<0.005	<0.005			
7/29/2008			<0.005					
7/30/2008								
7/31/2008	<0.005	<0.005		<0.005	<0.005			
11/3/2008		<0.005	<0.005					
12/4/2008			<0.005		<0.005			
12/5/2008	<0.005	<0.005		<0.005				
3/25/2009		<0.005	<0.005					
7/7/2009			<0.005					
7/8/2009	<0.005	<0.005		<0.005	<0.005			
9/14/2009		<0.005	<0.005					
12/20/2009	<0.005	<0.005	<0.005		<0.005			
12/21/2009				<0.005				
3/4/2010		<0.005	<0.005					
6/20/2010	<0.005		<0.005		<0.005			
6/21/2010		<0.005		<0.005		<0.005	<0.005	0.048
9/14/2010		<0.005	<0.005					
1/6/2011					<0.005			
1/7/2011	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	0.014
4/15/2011		<0.005	<0.005					
7/7/2011	<0.005	<0.005	<0.005		<0.005			
7/8/2011				<0.005		<0.005	<0.005	0.018
9/25/2011		<0.005	<0.005					
1/17/2012	<0.005		<0.005		<0.005			
1/18/2012		<0.005		<0.005		<0.005	<0.005	<0.005
4/4/2012		<0.005	<0.005					
7/9/2012	0.066				<0.005			
7/10/2012		<0.005	<0.005	<0.005		<0.005	<0.005	0.02
10/9/2012		<0.005	<0.005					
1/17/2013					<0.005			
1/18/2013	0.04 (O)	<0.005	<0.005	<0.005		<0.005	0.005	0.015
4/5/2013		<0.005	<0.005					
7/16/2013								
7/17/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.037
10/11/2013		0.0069	<0.005					
1/13/2014	<0.005				<0.005			
1/14/2014		<0.005	<0.005	<0.005		<0.005	<0.005	0.043
4/3/2014		<0.005	<0.005					
7/8/2014								
7/9/2014	<0.005	0.005	<0.005	<0.005	<0.005			0.023
7/10/2014						<0.005	<0.005	
10/24/2014		<0.005	<0.005					
1/12/2015							<0.005	
1/13/2015	<0.005				<0.005			
1/14/2015		<0.005	<0.005	<0.005		<0.005		0.022
5/10/2015			<0.005					
5/11/2015		<0.005						
7/16/2015	<0.005	<0.005			<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWA-8 (bg)	GWC-17	GWC-2	GWC-22	GWC-20	GWC-21
7/17/2015			<0.005					0.033
7/18/2015				<0.005		<0.005	<0.005	
10/6/2015		0.0073	<0.005					
1/17/2016	<0.005	0.0031 (J)			<0.005		<0.005	0.021
1/18/2016			<0.005	<0.005		<0.005		
1/19/2016								
4/26/2016		0.00497 (J)	<0.005					
7/26/2016								
7/27/2016	<0.005				0.002 (J)			
7/28/2016		0.0076 (J)	0.001 (J)				<0.005	0.0341
7/29/2016				0.0011 (J)		0.0022 (J)		
8/30/2016			<0.005					
8/31/2016					<0.005	0.0014 (J)		
9/1/2016	<0.005	0.0052 (J)		0.0012 (J)			<0.005	0.0297
10/24/2016			0.0013 (J)					
10/25/2016	<0.005	0.0085 (J)					0.0014 (J)	0.0095 (J)
10/26/2016				0.0013 (J)	0.0035 (J)	0.001 (J)		
10/27/2016								
1/3/2017			<0.005					
1/4/2017		0.0048 (J)				<0.005	0.0014 (J)	0.022
1/5/2017	<0.005			0.0012 (J)	<0.005			
1/6/2017								
4/3/2017	<0.005		<0.005					
4/4/2017					<0.005		<0.005	0.0236
4/5/2017		0.0068 (J)		<0.005				
4/6/2017						<0.005		
7/10/2017								
7/11/2017	<0.005		<0.005			<0.005	<0.005	
7/12/2017		0.0048 (J)						
7/13/2017				0.0018 (J)	<0.005			0.013
10/2/2017	<0.005		<0.005				<0.005	
10/3/2017		0.0051 (J)			<0.005			0.01 (J)
10/4/2017				0.0042 (J)		0.0023 (J)		
1/9/2018	0.0019 (J)		<0.005					0.0162
1/10/2018		0.0018 (J)			<0.005		<0.005	
1/11/2018				<0.005		<0.005		
7/9/2018			<0.005				<0.005	
7/10/2018	0.0086 (J)	0.0045 (J)			<0.005			0.016
7/11/2018				0.0016 (J)		<0.005		
1/16/2019			<0.005	<0.005				
1/17/2019	0.0029 (J)	0.0031 (J)						0.011
1/18/2019						<0.005		
1/21/2019					<0.005		0.0014 (J)	
3/25/2019			<0.005				<0.005	
3/26/2019	0.0074 (J)	0.0033 (J)		<0.005				0.022
3/27/2019						<0.005		
7/30/2019					<0.005			
8/26/2019			<0.005					
8/27/2019	0.0092 (J)				<0.005	<0.005		
8/28/2019		0.004 (J)		<0.005			0.0014 (J)	0.019
10/7/2019			<0.005					
10/8/2019	0.014	0.0023 (J)						0.019

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWA-8 (bg)	GWC-17	GWC-2	GWC-22	GWC-20	GWC-21
10/9/2019				<0.005	<0.005	<0.005	<0.005	
4/6/2020			<0.005					
4/7/2020	0.0029 (J)	<0.005				<0.005		0.012
4/8/2020				<0.005	<0.005		0.0013 (J)	
8/17/2020			<0.005					
8/18/2020	0.0022 (J)	0.0058 (J)		0.002 (J)	<0.005	<0.005	<0.005	0.013
8/19/2020								
9/28/2020			<0.005					
9/29/2020					<0.005			
9/30/2020	<0.005	0.0037 (J)		<0.005		<0.005	<0.005	0.0061 (J)
10/1/2020								
3/10/2021						<0.005		
3/11/2021				0.0016 (J)				
3/12/2021	0.0064		<0.005				<0.005	
3/15/2021					<0.005			
3/16/2021		0.0044 (J)						0.0055
9/21/2021			<0.005			<0.005		
9/22/2021		0.0031 (J)		<0.005	<0.005		0.0024 (J)	0.0027 (J)
9/23/2021	0.0016 (J)							
1/31/2022			<0.005					
2/1/2022		0.0024 (J)		<0.005			<0.005	0.0054
2/2/2022					<0.005			
2/3/2022	0.0031 (J)					<0.005		
8/30/2022			<0.005				0.00192 (J)	0.00648
8/31/2022	0.00192 (J)			<0.005		<0.005		
9/1/2022		0.00334 (J)			<0.005			
1/31/2023			<0.005					
2/1/2023		<0.005		<0.005			<0.005	
2/2/2023	<0.005				<0.005	<0.005		0.00542
8/28/2023			<0.005					
8/29/2023				<0.005	<0.005	<0.005		
9/6/2023		0.00161 (J)					<0.005	0.00554
9/7/2023	<0.005							
1/23/2024			<0.005			<0.005		
1/24/2024	0.0028 (J)			<0.005			0.00455 (J)	
1/25/2024		0.00185 (J)			<0.005			0.00452 (J)
2/7/2024								
2/8/2024								
8/19/2024								
8/20/2024								
8/21/2024	0.00314 (J)	0.00313 (J)	<0.005	<0.005	<0.005	<0.005	0.00209 (J)	
8/22/2024								0.00594
1/27/2025			<0.005					
1/28/2025				0.00157 (J)		<0.005		
1/29/2025	<0.005	<0.005			<0.005		<0.005	0.00511
7/28/2025			<0.005					
7/29/2025				<0.005		<0.005	<0.005	
7/30/2025	<0.005	0.00347 (J)			<0.005			0.00521

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-14	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
9/29/2000	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.12
11/21/2000	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.13
1/20/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.14
3/14/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.13
7/16/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.18
11/1/2001	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	
11/2/2001					<0.02				0.12
4/25/2002				<0.02		<0.02	<0.02	<0.02	
4/26/2002	<0.02	<0.02	<0.02		<0.02				0.15
11/20/2002							0.0069		0.15
11/21/2002			0.0071	0.03	0.014	0.0099		0.0069	
11/22/2002		<0.02							
6/6/2003	0.047			0.0065		0.019	0.16 (O)	0.082	0.11
6/7/2003		<0.02	0.0098		<0.02				
12/12/2003	0.0086	<0.02	0.0074	0.0052	<0.02	0.018		0.012	0.089
12/17/2003							<0.02		
5/26/2004	<0.02					<0.02	<0.02	<0.02	0.09
5/27/2004		<0.02	<0.02	<0.02	<0.02				
12/8/2004	<0.02	<0.02		0.0074		<0.02	<0.02	<0.02	
12/9/2004			<0.02		<0.02				
12/10/2004									0.072
6/21/2005	<0.02						<0.02	<0.02	0.04
6/22/2005		<0.02	<0.02		<0.02				
6/23/2005				0.01		<0.02			
12/3/2005	<0.02			0.0065		<0.02			
12/4/2005			<0.02				<0.02	<0.02	
12/5/2005		<0.02			<0.02				0.021
4/4/2006				0.013				<0.02	
6/27/2006	<0.02						0.0029		
6/28/2006			<0.02						
6/29/2006		<0.02		0.0045	<0.02	<0.02		<0.02	0.02
8/30/2006				0.0039				<0.02	
12/3/2006	0.0027	<0.02	<0.02		<0.02				
12/4/2006				0.016		<0.02	0.0047	0.0031	0.022
2/15/2007				0.017				0.0025	
6/23/2007	0.0027	<0.02	0.0036	0.0076	<0.02	<0.02	0.0029	0.0032	0.027
9/11/2007				0.012				<0.02	
9/12/2007						0.0026	0.0032		
9/13/2007		<0.02	<0.02		<0.02				
9/14/2007	0.0035								0.019
11/6/2007				0.016		<0.02		<0.02	
11/7/2007		<0.02					0.0025		
11/8/2007	0.0044		<0.02		<0.02				0.023
12/11/2007	0.0033	<0.02	<0.02		<0.02				0.017
12/12/2007				0.017		<0.02	<0.02	<0.02	
1/15/2008		<0.02	<0.02						
1/16/2008				<0.02	<0.02	<0.02		0.02	
1/17/2008							0.0029		0.018
1/18/2008	0.0052								
3/11/2008		<0.02		0.012				<0.02	
3/12/2008					<0.02	<0.02	<0.02		
3/13/2008	0.0045		<0.02						0.016

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-14	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
6/3/2008		<0.02	<0.02						
6/4/2008	0.0073				<0.02		0.0033		
6/5/2008				0.017		<0.02		<0.02	0.016
6/23/2008	0.0074	<0.02	<0.02		<0.02				
6/24/2008				0.0069		<0.02	<0.02	<0.02	0.053
7/29/2008	0.0068		<0.02		<0.02				
7/30/2008		<0.02							0.022
7/31/2008				0.0074		<0.02	<0.02	0.0031	
11/3/2008				0.016				0.0032	
12/4/2008	0.0084	<0.02	<0.02	0.013	<0.02				
12/5/2008						<0.02	<0.02	<0.02	0.0078
3/25/2009				0.014				<0.02	
7/7/2009	0.023						<0.02		0.012
7/8/2009		<0.02	0.0026	0.014	0.0029	<0.02		0.0036	
9/14/2009				0.0072				0.0026	
12/20/2009	0.007			0.02		<0.02	<0.02	0.0031	
12/21/2009		<0.02	<0.02		<0.02				0.011
3/4/2010				0.023				<0.02	
6/20/2010	0.0047	<0.02	<0.02	0.017	<0.02	<0.02	0.0037		0.0083
6/21/2010								0.0025	
9/14/2010				0.018				0.0035	
1/6/2011			0.003				<0.02		
1/7/2011	0.018	<0.02		0.019	<0.02	<0.02		0.0036	0.0079
4/15/2011				0.019				<0.02	
7/7/2011	0.019	<0.02	0.004	0.014		0.0036	0.0045	0.003	0.007
7/8/2011					<0.02				
9/25/2011				0.015				0.0037	
1/17/2012	0.0298	<0.02	<0.02	0.021		<0.02	<0.02		
1/18/2012					<0.02			<0.02	0.0116
4/4/2012				0.0191				<0.02	
7/9/2012	0.14	<0.02	0.005	0.026		0.0059	0.0026		
7/10/2012					<0.02			0.0026	0.0096
10/9/2012				0.049				0.007	
1/17/2013		<0.02	0.005				<0.02		
1/18/2013	0.21			0.036	<0.02	<0.02		<0.02	<0.02
4/5/2013				0.04				<0.02	
7/16/2013		<0.02	<0.02				<0.02		
7/17/2013	0.18			0.062	<0.02	<0.02		<0.02	<0.02
10/11/2013				0.032				<0.02	
1/13/2014	0.24	0.004 (J)	0.0033 (J)			0.0021 (J)	0.0024 (J)		
1/14/2014				0.044	<0.02			0.003 (J)	0.0047 (J)
4/3/2014				0.077 (O)				0.0032 (J)	
7/8/2014		0.0034 (J)	0.0024 (J)						
7/9/2014	0.22			0.032	0.0016 (J)	0.0012 (J)	0.0041 (J)	0.0031 (J)	0.0039 (J)
7/10/2014									
10/24/2014				0.045				0.0028 (J)	
1/12/2015									
1/13/2015	0.19	<0.02	0.0023 (J)			0.0013 (J)	0.0029 (J)		
1/14/2015				0.031	<0.02			0.0034 (J)	0.005
5/10/2015				0.013					
5/11/2015								0.0026 (J)	
7/16/2015	0.23	0.0049 (J)	0.002 (J)			<0.02	0.0034 (J)	0.0028 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-14	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
7/17/2015				0.028	0.0029 (J)				0.0045 (J)
7/18/2015									
10/6/2015				0.02				0.0016 (J)	
1/17/2016				0.028		0.0013 (J)	0.0046 (J)	0.0029 (J)	
1/18/2016	0.41 (O)	0.0058			<0.02				0.0044 (J)
1/19/2016			0.0025 (J)						
4/26/2016				0.0181				0.00296 (J)	
7/26/2016			0.0027 (J)						
7/27/2016	0.397 (O)	0.0058 (J)		0.0189		<0.02	0.0064 (J)		
7/28/2016					<0.02			0.0026 (J)	0.0038 (J)
7/29/2016									
10/24/2016									
10/25/2016	0.425 (O)			0.0206		<0.02		<0.02	
1/3/2017									
1/4/2017		<0.02	<0.02				<0.02	<0.02	
1/5/2017				0.0172		<0.02			0.0077 (J)
1/6/2017	0.41 (O)				<0.02				
4/3/2017						0.002 (J)			
4/4/2017				0.0235			0.0061 (J)		
4/5/2017		0.0039 (J)						0.0033 (J)	
4/6/2017	0.297 (O)		0.0025 (J)		<0.02				0.0069 (J)
7/10/2017		0.0062 (J)							
7/11/2017			0.0027 (J)	0.0136		0.0022 (J)			
7/12/2017					0.0013 (J)		0.0067 (J)	0.0037 (J)	0.0098 (J)
7/13/2017	0.194								
10/2/2017				0.0175		0.0022 (J)			
10/3/2017								0.0036 (J)	
10/4/2017	0.316 (O)								
1/9/2018	0.194			0.0103		0.0021 (J)			0.0086 (J)
1/10/2018							0.0056 (J)	0.0029 (J)	
1/11/2018		0.0025 (J)	0.0019 (J)		<0.02				
7/9/2018				0.0078 (J)					
7/10/2018						0.0025 (J)	0.0056 (J)	0.0025 (J)	0.0098 (J)
7/11/2018	0.15	0.0059 (J)	0.0021 (J)		<0.02				
1/16/2019	0.16			0.0043 (J)			0.0043 (J)		0.077
1/17/2019		<0.02	0.0021 (J)			<0.02		0.0021 (J)	
1/18/2019					<0.02				
1/21/2019									
3/25/2019	0.18								
3/26/2019				0.0063 (J)		0.0026 (J)	0.0051 (J)	0.0038 (J)	0.086
3/27/2019		0.0049 (J)	0.0023 (J)		<0.02				
7/30/2019									
10/7/2019									
10/8/2019	0.11		<0.02	<0.02		<0.02		<0.02	
10/9/2019		0.0021 (J)			<0.02		<0.02		0.018 (J)
4/6/2020	0.12								
4/7/2020		0.0024 (J)	<0.02	0.0026 (J)		<0.02	0.0015 (J)	<0.02	0.041 (J)
4/8/2020					0.0015 (J)				
9/28/2020	0.1						0.0042 (J)		
9/29/2020		0.0046 (J)	0.0023 (J)	<0.02					
9/30/2020						0.0028 (J)		0.0028 (J)	0.018
10/1/2020					<0.02				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-11	GWC-14	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
3/10/2021		0.0055 (J)	0.0023 (J)		<0.02		0.005 (J)		0.027
3/11/2021	0.14								
3/12/2021						0.0037 (J)			
3/15/2021									
3/16/2021				<0.02				0.0034 (J)	
9/21/2021	0.096	0.0051 (J)	0.002 (J)						0.015
9/22/2021				0.0052 (J)	<0.02			0.0025 (J)	
9/23/2021						0.0022 (J)	0.0042 (J)		
1/31/2022	0.1								
2/1/2022								0.0021 (J)	
2/2/2022				0.004 (J)	<0.02				0.0099 (J)
2/3/2022		0.0052 (J)	0.0031 (J)			0.0023 (J)	0.0028 (J)		
8/30/2022	0.11	0.00949 (J)		0.00933 (J)					0.0192 (J)
8/31/2022			0.00481 (J)			0.00476 (J)			
9/1/2022					0.00514 (J)		0.00748 (J)	0.0065 (J)	
1/31/2023	0.106								
2/1/2023		0.0056 (J)	0.00373 (J)		<0.02			0.00361 (J)	0.0201
2/2/2023				0.00594 (J)		0.00453 (J)	0.00497 (J)		
8/28/2023	0.137								
8/29/2023					0.0103 (J)		0.0146 (J)		0.0226
9/6/2023		0.0101 (J)	0.00685 (J)	0.00671 (J)				0.00631 (J)	
9/7/2023						0.00462 (J)			
1/23/2024	0.148						<0.02		0.022
1/24/2024			0.00641 (J)		<0.02	0.00594 (J)			
1/25/2024		0.00544 (J)		0.00731 (J)				0.00575 (J)	
2/7/2024									
2/8/2024									
8/19/2024	0.125								
8/20/2024							<0.02		0.0155 (J)
8/21/2024		0.00869 (J)	0.00332 (J)	0.0038 (J)	<0.02	0.00338 (J)		0.00407 (J)	
8/22/2024									
1/27/2025									
1/28/2025	0.167		<0.02						0.0211
1/29/2025		0.00777 (J)		0.00825 (J)	<0.02	0.00419 (J)	0.00626 (J)	0.00543 (J)	
7/28/2025	0.156								
7/29/2025			0.00404 (J)				0.00673 (J)		0.0285
7/30/2025		0.0107 (J)		0.00867 (J)	0.00373 (J)	0.00438 (J)		0.00574 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-20	GWC-22	GWC-21
9/29/2000	0.038	<0.02	0.06	<0.02	<0.02				
11/21/2000	0.013	<0.02	0.068		<0.02	<0.02			
1/20/2001	0.038	<0.02	0.12	<0.02	<0.02	<0.02			
3/14/2001	0.077	<0.02	0.08	<0.02	<0.02	<0.02			
7/16/2001	0.12 (O)	<0.02	0.11	<0.02	<0.02	<0.02			
11/1/2001		<0.02		<0.02	<0.02	<0.02			
11/2/2001	0.21 (O)		0.079						
4/25/2002		<0.02				<0.02			
4/26/2002	0.086		0.11	<0.02	<0.02				
11/20/2002	0.14 (O)		0.15						
11/21/2002		<0.02		<0.02					
11/22/2002					<0.02	<0.02			
6/6/2003	0.12 (O)	<0.02	0.12	0.017		<0.02			
6/7/2003					0.0063				
12/12/2003	0.014	<0.02	0.13	0.011	<0.02	<0.02			
12/17/2003									
5/26/2004	0.06		0.095	<0.02					
5/27/2004		<0.02			<0.02	<0.02			
12/8/2004		<0.02		<0.02		<0.02			
12/9/2004					<0.02				
12/10/2004	0.054		0.067						
6/21/2005	0.038		0.062	<0.02					
6/22/2005					<0.02				
6/23/2005		<0.02				<0.02			
12/3/2005				<0.02		<0.02			
12/4/2005									
12/5/2005	0.0056	<0.02	0.09		<0.02				
4/4/2006				<0.02					
6/27/2006	0.0043		0.083	<0.02					
6/28/2006									
6/29/2006		0.0025			<0.02	<0.02			
8/30/2006				<0.02					
12/3/2006				<0.02	<0.02				
12/4/2006	0.0044	<0.02	0.084			<0.02			
2/15/2007				<0.02					
6/23/2007	0.0039	<0.02	0.081	<0.02	<0.02	<0.02			
9/11/2007				<0.02					
9/12/2007	0.0031	<0.02	0.076			<0.02			
9/13/2007					<0.02				
9/14/2007									
11/6/2007		<0.02				<0.02			
11/7/2007	0.0035		0.081		<0.02				
11/8/2007				0.0026					
12/11/2007				<0.02	<0.02				
12/12/2007	0.0029	<0.02	0.067			<0.02			
1/15/2008					<0.02				
1/16/2008		<0.02				<0.02			
1/17/2008	0.0032		0.069						
1/18/2008				<0.02					
3/11/2008				<0.02	<0.02				
3/12/2008			0.054			<0.02			
3/13/2008	0.0026	<0.02							

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-20	GWC-22	GWC-21
6/3/2008					<0.02				
6/4/2008	<0.02	<0.02		<0.02					
6/5/2008			0.055			<0.02			
6/23/2008				<0.02	<0.02				
6/24/2008	0.003	<0.02	0.059			<0.02			
7/29/2008				<0.02					
7/30/2008	<0.02		0.059		<0.02				
7/31/2008		<0.02				<0.02			
11/3/2008				<0.02					
12/4/2008				<0.02	<0.02	<0.02			
12/5/2008	<0.02	<0.02	0.054						
3/25/2009				<0.02					
7/7/2009	<0.02		0.038	<0.02					
7/8/2009		<0.02			<0.02	<0.02			
9/14/2009				<0.02					
12/20/2009				<0.02		<0.02			
12/21/2009	<0.02	<0.02	0.06		<0.02				
3/4/2010				<0.02					
6/20/2010	<0.02			<0.02	<0.02	<0.02			
6/21/2010		<0.02	0.036				<0.02	<0.02	<0.02
9/14/2010				<0.02					
1/6/2011	0.0067				0.0028	<0.02			
1/7/2011		<0.02	0.043	<0.02			0.0029	<0.02	0.0031
4/15/2011				<0.02					
7/7/2011	0.019			<0.02	<0.02	<0.02			
7/8/2011		0.0031	0.044				0.0046	<0.02	0.0048
9/25/2011				<0.02					
1/17/2012	0.021			<0.02	<0.02	<0.02			
1/18/2012		<0.02	0.045				<0.02	<0.02	<0.02
4/4/2012				<0.02					
7/9/2012	0.032				<0.02	<0.02			
7/10/2012		<0.02	0.048	<0.02			0.0081	<0.02	<0.02
10/9/2012				<0.02					
1/17/2013	0.034				<0.02	<0.02			
1/18/2013		<0.02	0.049	<0.02			0.0063	<0.02	<0.02
4/5/2013				<0.02					
7/16/2013	0.021				<0.02				
7/17/2013		<0.02	0.05	<0.02		<0.02	<0.02	<0.02	<0.02
10/11/2013				<0.02					
1/13/2014	0.0084				0.0011 (J)	<0.02			
1/14/2014		0.0031 (J)	0.067	<0.02			0.0026 (J)	0.0026 (J)	0.0057
4/3/2014				0.0015 (J)					
7/8/2014					0.002 (J)				
7/9/2014	0.0052	0.0012 (J)	0.055	0.0012 (J)		<0.02			0.0019 (J)
7/10/2014							0.0026 (J)	0.0053	
10/24/2014				<0.02					
1/12/2015			0.066				0.0031 (J)		
1/13/2015	0.0036 (J)				0.0015 (J)	<0.02			
1/14/2015		0.002 (J)		<0.02				0.0013 (J)	0.0037 (J)
5/10/2015				<0.02					
5/11/2015									
7/16/2015	0.004 (J)		0.045		<0.02	<0.02			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-20	GWC-22	GWC-21
7/17/2015				<0.02					0.0028 (J)
7/18/2015		<0.02					0.003 (J)	0.0043 (J)	
10/6/2015				0.0012 (J)					
1/17/2016						<0.02	0.0025 (J)		0.0039 (J)
1/18/2016	0.0069	0.0019 (J)	0.049	0.00079 (J)	0.0011 (J)			<0.02	
1/19/2016									
4/26/2016				<0.02					
7/26/2016					<0.02				
7/27/2016	0.0046 (J)					<0.02			
7/28/2016				<0.02			0.0024 (J)		0.0022 (J)
7/29/2016		0.0031 (J)	0.0388					0.0052 (J)	
10/24/2016				<0.02					
10/25/2016							<0.02		
1/3/2017	<0.02			<0.02					
1/4/2017							<0.02	<0.02	<0.02
1/5/2017		<0.02			<0.02	<0.02			
1/6/2017			0.0341						
4/3/2017				<0.02					
4/4/2017			0.0371			<0.02	0.0024 (J)		0.003 (J)
4/5/2017		0.0029 (J)							
4/6/2017	0.0063 (J)				<0.02			<0.02	
7/10/2017									
7/11/2017				<0.02			0.003 (J)	0.0016 (J)	
7/12/2017	0.0064 (J)		0.0399		0.0016 (J)				
7/13/2017		0.0037 (J)				<0.02			0.0019 (J)
10/2/2017				<0.02			0.0028 (J)		
10/3/2017									
10/4/2017									
1/9/2018				0.0014 (J)					0.0046 (J)
1/10/2018	0.0077 (J)				0.0019 (J)	<0.02	0.0026 (J)		
1/11/2018		0.0026 (J)	0.0327					0.0012 (J)	
7/9/2018				<0.02			<0.02		
7/10/2018	0.016					<0.02			0.0031 (J)
7/11/2018		0.0032 (J)	0.02		0.0097 (J)			0.0025 (J)	
1/16/2019	0.0033 (J)	<0.02	0.0022 (J)	<0.02	<0.02				
1/17/2019									0.0022 (J)
1/18/2019								<0.02	
1/21/2019						0.0024 (J)	0.0031 (J)		
3/25/2019			0.004 (J)	<0.02			0.0024 (J)		
3/26/2019	0.0058 (J)	0.0024 (J)			0.0029 (J)				0.0041 (J)
3/27/2019								0.002 (J)	
7/30/2019						<0.02			
10/7/2019				<0.02					
10/8/2019					<0.02				<0.02
10/9/2019	0.033 (J)	<0.02	<0.02			<0.02	<0.02	<0.02	
4/6/2020				<0.02					
4/7/2020	0.0053 (J)		0.0037 (J)					0.0014 (J)	<0.02
4/8/2020		<0.02			<0.02	<0.02	<0.02		
9/28/2020				<0.02	<0.02				
9/29/2020						<0.02			
9/30/2020	0.0037 (J)	<0.02					0.0029 (J)	<0.02	0.0029 (J)
10/1/2020			0.0047 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-20	GWC-22	GWC-21
3/10/2021	0.0026 (J)		0.0054 (J)					<0.02	
3/11/2021		<0.02							
3/12/2021				<0.02			0.0038 (J)		
3/15/2021					<0.02	<0.02			
3/16/2021									0.003 (J)
9/21/2021	0.0039 (J)		0.0027 (J)	<0.02	<0.02			<0.02	
9/22/2021		<0.02				<0.02	0.0033 (J)		<0.02
9/23/2021									
1/31/2022				<0.02					
2/1/2022		0.0022 (J)					0.0039 (J)		0.0036 (J)
2/2/2022			0.0031 (J)			<0.02			
2/3/2022	0.0046 (J)				<0.02			<0.02	
8/30/2022	0.0138 (J)		0.00943 (J)	0.00372 (J)			0.00647 (J)		0.00715 (J)
8/31/2022		0.00599 (J)			<0.02			0.00396 (J)	
9/1/2022						0.0045 (J)			
1/31/2023				<0.02					
2/1/2023	0.0255	0.005 (J)			<0.02		0.00526 (J)		
2/2/2023			0.021			<0.02		<0.02	0.00537 (J)
8/28/2023				0.0148 (J)					
8/29/2023	0.00917 (J)	0.0108 (J)	0.0201		0.0188 (J)	0.00777 (J)		0.0353	
9/6/2023							0.00768 (J)		0.0101 (J)
9/7/2023									
1/23/2024				0.00564 (J)				0.00394 (J)	
1/24/2024		0.0059 (J)					0.00642 (J)		
1/25/2024					0.00439 (J)	<0.02			0.00735 (J)
2/7/2024			0.0119 (J)						
2/8/2024	0.0609								
8/19/2024									
8/20/2024			0.0189 (J)						
8/21/2024	0.0209	<0.02		<0.02	<0.02	<0.02	0.00558 (J)	<0.02	
8/22/2024									0.00457 (J)
1/27/2025				<0.02					
1/28/2025		<0.02	0.0116 (J)					<0.02	
1/29/2025	0.0125 (J)				0.00361 (J)	<0.02	0.00736 (J)		0.00701 (J)
7/28/2025			0.0278	0.00341 (J)					
7/29/2025		0.00465 (J)					0.00636 (J)	0.00665 (J)	
7/30/2025	0.00844 (J)				0.00332 (J)	0.00539 (J)			0.00587 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWC-17	GWB-6R	GWC-15	GWA-8 (bg)	GWB-4R	GWC-9	GWC-16
9/29/2000	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
11/21/2000	<0.02	<0.02	<0.02	0.024	<0.02		<0.02	<0.02	<0.02
1/20/2001	<0.02	<0.02	<0.02	<0.02	<0.02	0.025	0.041	<0.02	<0.02
3/14/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
7/16/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.059	<0.02	<0.02
11/1/2001	<0.02	<0.02	<0.02		<0.02	<0.02			<0.02
11/2/2001				<0.02			<0.02	<0.02	
4/25/2002		<0.02	<0.02		<0.02				<0.02
4/26/2002	<0.02			<0.02		<0.02	<0.02	<0.02	
11/20/2002				0.028			0.061		
11/21/2002		<0.02	0.014		<0.02	0.016		0.033	<0.02
11/22/2002									
6/6/2003	0.69 (O)	<0.02	0.012	0.032	<0.02	0.032	0.041		0.035
6/7/2003								<0.02	
12/12/2003	0.12	<0.02	<0.02	<0.02	<0.02	0.019	0.012	<0.02	<0.02
12/17/2003									
5/26/2004	0.013			<0.02	<0.02	<0.02	0.016		<0.02
5/27/2004		<0.02	<0.02					<0.02	
12/8/2004	<0.02	<0.02	<0.02		<0.02	<0.02			<0.02
12/9/2004								<0.02	
12/10/2004				0.012			<0.02		
6/21/2005	<0.02			<0.02		<0.02	<0.02		<0.02
6/22/2005								<0.02	
6/23/2005		<0.02	<0.02		<0.02				
12/3/2005	0.014	0.011			0.064 (O)	0.01			
12/4/2005									<0.02
12/5/2005			<0.02	<0.02			0.017	0.032	
4/4/2006		<0.02				<0.02			<0.02
6/27/2006	0.01					0.0043	0.11		
6/28/2006									
6/29/2006		<0.02	0.0046	0.0071	0.011			0.018	0.077 (O)
8/30/2006		<0.02				0.017			0.0027
12/3/2006	0.0065					0.0053		0.0044	
12/4/2006		<0.02	0.0071	0.0096	0.0033		0.086		<0.02
2/15/2007		<0.02				0.0045			0.0032
6/23/2007	0.0049	<0.02	0.005	0.094 (O)	0.0029	0.0043	0.076	0.0041	0.0058
9/11/2007		<0.02				0.004			0.0033
9/12/2007			0.0051		0.0028		0.076		
9/13/2007								<0.02	
9/14/2007	0.0052			0.019					
11/6/2007		<0.02	0.003		<0.02				<0.02
11/7/2007							0.069		
11/8/2007	0.0026			0.051		0.0035		<0.02	
12/11/2007	0.0043			0.042		0.0048		0.0039	
12/12/2007		<0.02	0.0033		<0.02		0.087		<0.02
1/15/2008									
1/16/2008		<0.02	0.0027		<0.02			<0.02	<0.02
1/17/2008				0.012			0.021		
1/18/2008	0.0046					0.005			
3/11/2008		<0.02				0.0043			<0.02
3/12/2008					<0.02		0.063	<0.02	
3/13/2008	0.0054		0.0056	0.047					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWC-17	GWB-6R	GWC-15	GWA-8 (bg)	GWB-4R	GWC-9	GWC-16
6/3/2008									
6/4/2008	0.004		0.0036			0.004		<0.02	
6/5/2008		<0.02		0.021	<0.02		0.028		0.003
6/23/2008	0.0025					0.0037		<0.02	
6/24/2008		<0.02	0.0037	0.098 (O)	<0.02		0.062		<0.02
7/29/2008	<0.02					0.0028		<0.02	
7/30/2008				0.015			0.025		
7/31/2008		<0.02	0.0037		<0.02				<0.02
11/3/2008		<0.02				0.0032			0.0025
12/4/2008	0.0025	<0.02				0.0029		0.0039	
12/5/2008			0.0027	0.047	<0.02		0.014		<0.02
3/25/2009		<0.02				0.0055			0.0025
7/7/2009	<0.02			0.024		0.0028	0.052		
7/8/2009		<0.02	0.0048		<0.02			<0.02	<0.02
9/14/2009		<0.02				0.0027			<0.02
12/20/2009	0.0031	<0.02			<0.02	0.0029			<0.02
12/21/2009			0.0032	0.049			0.046	0.004	
3/4/2010		<0.02				0.0042			<0.02
6/20/2010	<0.02	<0.02		0.045	<0.02	0.0027		<0.02	
6/21/2010			0.0028				0.045		<0.02
9/14/2010		<0.02				<0.02			<0.02
1/6/2011									
1/7/2011	<0.02	<0.02	0.003	0.0044	<0.02	0.0032	0.024	0.0032	<0.02
4/15/2011		<0.02				<0.02			<0.02
7/7/2011	0.0031	<0.02		0.003	<0.02	0.005			<0.02
7/8/2011			0.0034				0.023	0.0025	
9/25/2011		<0.02				0.0041			0.0028
1/17/2012	0.004	<0.02			<0.02	0.0043			
1/18/2012			0.0049	0.0048			0.011	0.0045	0.0029
4/4/2012		<0.02				<0.02			<0.02
7/9/2012	0.0096	<0.02			<0.02				
7/10/2012			0.0039	<0.02		0.0028	0.024	<0.02	<0.02
10/9/2012		<0.02				0.0033			0.0027
1/17/2013									
1/18/2013	0.051	<0.02	0.0043	0.0028	<0.02	0.0038	0.011	0.0029	<0.02
4/5/2013		<0.02				0.0026			<0.02
7/16/2013									
7/17/2013	0.042	<0.02	0.0035	<0.02	<0.02	<0.02	0.0029	<0.02	<0.02
10/11/2013		<0.02				0.0046			<0.02
1/13/2014	0.062				0.0031				
1/14/2014		0.0025	0.0066	0.0034		0.0043	0.012	0.012	0.016
4/3/2014		0.0014 (J)				0.0029			0.0015 (J)
7/8/2014									
7/9/2014	0.064	0.00086 (J)	0.0033	0.00093 (J)	<0.02	0.002 (J)	0.0051	0.0016 (J)	0.0012 (J)
7/10/2014									
10/24/2014		0.00083 (J)				0.0031			0.0013 (J)
1/12/2015							0.0023 (J)		
1/13/2015	0.066				<0.02				
1/14/2015		<0.02	0.0067	0.0023 (J)		0.003		0.0024 (J)	0.0017 (J)
5/10/2015		<0.02				0.0028			
5/11/2015									0.0015 (J)
7/16/2015	0.036				<0.02		0.0021 (J)		<0.02

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWC-17	GWB-6R	GWC-15	GWA-8 (bg)	GWB-4R	GWC-9	GWC-16
7/17/2015		<0.02		<0.02		0.0018 (J)		0.0031	
7/18/2015			<0.02						
10/6/2015		<0.02				0.0018 (J)			<0.02
1/17/2016		<0.02			<0.02				<0.02
1/18/2016	0.035		0.012	0.0029		0.0028	0.0092	0.0059	
1/19/2016									
4/26/2016		<0.02				<0.02			<0.02
7/26/2016									
7/27/2016	0.0529	<0.02			<0.02				
7/28/2016				<0.02		0.0018 (J)		0.0019 (J)	<0.02
7/29/2016			0.0086 (J)				0.003 (J)		
10/24/2016						0.0024 (J)			
10/25/2016	0.0035 (J)	<0.02			<0.02				<0.02
1/3/2017						0.0035 (J)			
1/4/2017									0.0025 (J)
1/5/2017		<0.02	0.016	<0.02	<0.02				
1/6/2017	0.0235						0.0104	0.0026 (J)	
4/3/2017					<0.02	0.0041 (J)			
4/4/2017		<0.02					0.0132		
4/5/2017			0.0175						0.0025 (J)
4/6/2017	0.0829			0.0032 (J)				0.0047 (J)	
7/10/2017									
7/11/2017		<0.02			<0.02	0.0029 (J)			
7/12/2017				0.002 (J)			0.0046 (J)	0.003 (J)	0.002 (J)
7/13/2017	0.0853		0.0126						
10/2/2017		0.0026 (J)			<0.02	0.0026 (J)			
10/3/2017									<0.02
10/4/2017	0.0263								
1/9/2018	0.0665	0.0018 (J)		0.0036 (J)	<0.02	0.0035 (J)			
1/10/2018									0.0016 (J)
1/11/2018			0.012				0.0095 (J)	0.0046 (J)	
7/9/2018		<0.02				0.0022 (J)			
7/10/2018				0.0055 (J)	<0.02				0.0031 (J)
7/11/2018	0.02 (J)		0.011				0.0028 (J)	0.0033 (J)	
1/16/2019	0.014 (J)	<0.02	0.0094 (J)	<0.02		0.0037 (J)	0.0052 (J)		
1/17/2019					<0.02				<0.02
1/18/2019								0.0025 (J)	
1/21/2019									
3/25/2019	<0.05 (O)					<0.02	0.0078 (J)		
3/26/2019		<0.02	0.0057 (J)	<0.02	<0.02				<0.02
3/27/2019								0.0026 (J)	
7/30/2019									
10/7/2019						0.0077 (J)			
10/8/2019	0.095	0.0052 (J)			0.0051 (J)				0.01
10/9/2019			0.011	0.016 (J)			0.0064 (J)	0.0054 (J)	
4/6/2020	<0.02					<0.02			
4/7/2020		<0.02		<0.02	<0.02		<0.02		<0.02
4/8/2020			<0.02					<0.02	
9/28/2020	0.16					0.0092 (J)			
9/29/2020		<0.02							
9/30/2020			0.0043 (J)	<0.02	0.032				0.0051 (J)
10/1/2020							0.0064 (J)	0.025	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-14	GWC-17	GWB-6R	GWC-15	GWA-8 (bg)	GWB-4R	GWC-9	GWC-16
3/10/2021				<0.02			<0.02	<0.02	
3/11/2021	0.054		0.0056 (J)						
3/12/2021					<0.02	0.0028 (J)			
3/15/2021									
3/16/2021		<0.02							<0.02
9/21/2021	<0.02			<0.02		<0.02	<0.02		
9/22/2021		0.01	<0.02					<0.02	<0.02
9/23/2021					<0.02				
1/31/2022	<0.02					<0.02			
2/1/2022			0.011						<0.02
2/2/2022		<0.02		<0.02			<0.02	<0.02	
2/3/2022					<0.02				
8/30/2022	0.011 (J)	<0.02		0.0132 (J)		<0.02	<0.02		
8/31/2022			0.0068 (J)		0.00395 (J)				
9/1/2022								0.0163 (J)	0.0119 (J)
1/31/2023	0.00457 (J)					<0.02			
2/1/2023			0.00583 (J)	0.0121 (J)				<0.02	<0.02
2/2/2023		<0.02			<0.02		<0.02		
8/28/2023	0.00851 (J)					<0.02			
8/29/2023			0.00535 (J)	0.0406			<0.02	<0.02	
9/6/2023		<0.02							<0.02
9/7/2023					<0.02				
1/23/2024	0.00392 (J)			0.0212		<0.02			
1/24/2024			0.00654 (J)		<0.02			<0.02	
1/25/2024		<0.02							<0.02
2/7/2024							0.00455 (J)		
2/8/2024									
8/19/2024	0.00727 (J)								
8/20/2024				0.0355			0.00972 (J)		
8/21/2024		<0.02	0.0066 (J)		<0.02	0.0123 (J)		0.0137 (J)	<0.02
8/22/2024									
1/27/2025						0.00538 (J)			
1/28/2025	0.00891 (J)		0.00759 (J)	0.0206			0.00735 (J)		
1/29/2025		<0.02			<0.02			<0.02	<0.02
7/28/2025	0.00395 (J)					<0.02	<0.02		
7/29/2025			0.0063 (J)	0.0152 (J)					
7/30/2025		<0.02			<0.02			<0.02	<0.02

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-11	GWC-1	GWB-5R	GWC-13	GWC-2	GWC-22	GWC-20	GWC-21
9/29/2000	0.38	<0.02	<0.02	0.026	<0.02				
11/21/2000	0.077	<0.02	<0.02	<0.02	<0.02	0.021			
1/20/2001	0.23	<0.02	<0.02	0.031	<0.02	<0.02			
3/14/2001	0.24	<0.02	<0.02	0.063	<0.02	<0.02			
7/16/2001	0.053	<0.02	<0.02	0.08	<0.02	<0.02			
11/1/2001	0.022	<0.02	<0.02		0.044	<0.02			
11/2/2001				0.16					
4/25/2002			<0.02			<0.02			
4/26/2002	1.2 (O)	<0.02		<0.02	<0.02				
11/20/2002			<0.02	0.14					
11/21/2002		<0.02							
11/22/2002	0.045				0.023	<0.02			
6/6/2003			0.011	0.51 (O)		<0.02			
6/7/2003	0.042	<0.02			<0.02				
12/12/2003	<0.02	0.013		<0.02	<0.02	<0.02			
12/17/2003			<0.02						
5/26/2004			<0.02	0.036					
5/27/2004	<0.02	<0.02			0.035	<0.02			
12/8/2004	<0.02		<0.02			<0.02			
12/9/2004		0.028			0.018				
12/10/2004				0.069					
6/21/2005			<0.02	0.076					
6/22/2005	<0.02	<0.02			0.014				
6/23/2005						<0.02			
12/3/2005						0.012			
12/4/2005		<0.02	<0.02						
12/5/2005	<0.02			<0.02	0.023				
4/4/2006									
6/27/2006			<0.02	0.01					
6/28/2006		0.0028							
6/29/2006	0.012				0.023	<0.02			
8/30/2006									
12/3/2006	0.0067	0.0028			0.046				
12/4/2006			<0.02	0.0035		<0.02			
2/15/2007									
6/23/2007	0.025	0.0063	<0.02	0.0032	0.036	<0.02			
9/11/2007									
9/12/2007			<0.02	0.0048		0.0049			
9/13/2007	0.0044	0.0026			0.033				
9/14/2007									
11/6/2007						<0.02			
11/7/2007	0.0036		<0.02	<0.02	0.012				
11/8/2007		<0.02							
12/11/2007	0.0038	<0.02			0.011				
12/12/2007			<0.02	0.0079		<0.02			
1/15/2008	0.0077	<0.02			0.019				
1/16/2008						<0.02			
1/17/2008			<0.02	<0.02					
1/18/2008									
3/11/2008	0.0058				0.0092				
3/12/2008			0.0031			0.003			
3/13/2008		<0.02		0.0036					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-11	GWC-1	GWB-5R	GWC-13	GWC-2	GWC-22	GWC-20	GWC-21
6/3/2008	0.0048	0.0026			0.028				
6/4/2008			0.0026	0.0025					
6/5/2008						0.0025			
6/23/2008	0.0051	<0.02			0.0091				
6/24/2008			<0.02	<0.02		<0.02			
7/29/2008		0.0031							
7/30/2008	0.0034			<0.02	0.0065				
7/31/2008			<0.02			<0.02			
11/3/2008									
12/4/2008	<0.02	<0.02			0.0038	<0.02			
12/5/2008			<0.02	<0.02					
3/25/2009									
7/7/2009			<0.02	<0.02					
7/8/2009	<0.02	<0.02			<0.02	<0.02			
9/14/2009									
12/20/2009			<0.02			<0.02			
12/21/2009	0.013	<0.02		<0.02	0.0032				
3/4/2010									
6/20/2010	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
6/21/2010							<0.02	<0.02	0.04
9/14/2010									
1/6/2011		<0.02	<0.02	<0.02	0.004	<0.02			
1/7/2011	0.004						0.019	<0.02	<0.02
4/15/2011									
7/7/2011	0.0028	<0.02	0.0025	0.0027	0.0037	<0.02			
7/8/2011							0.1 (O)	0.086	0.0044
9/25/2011									
1/17/2012	0.0043	0.0043	<0.02	0.0039	0.0031	<0.02			
1/18/2012							0.0051	<0.02	<0.02
4/4/2012									
7/9/2012	<0.02	<0.02	<0.02	<0.02	0.003	<0.02			
7/10/2012							0.01	<0.02	<0.02
10/9/2012									
1/17/2013	0.0033	0.0025	<0.02	<0.02	<0.02	<0.02			
1/18/2013							0.0036	0.0032	<0.02
4/5/2013									
7/16/2013	0.0028	<0.02	<0.02	0.0032	0.0029				
7/17/2013						<0.02	0.0025	<0.02	<0.02
10/11/2013									
1/13/2014	0.0051	0.0025	0.0025	0.0029	0.0042	0.0022 (J)			
1/14/2014							0.0037	0.0018 (J)	0.0022 (J)
4/3/2014									
7/8/2014	0.002 (J)	0.0011 (J)			0.0018 (J)				
7/9/2014			<0.02	0.00076 (J)		0.00058 (J)			0.00084 (J)
7/10/2014							0.024	<0.02	
10/24/2014									
1/12/2015								<0.02	
1/13/2015	0.0079	0.0021 (J)	0.0025	0.0036	0.0028	0.0024 (J)			
1/14/2015							0.0016 (J)		0.0018 (J)
5/10/2015									
5/11/2015									
7/16/2015	0.0026	<0.02	<0.02	<0.02	0.0018 (J)	<0.02			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-11	GWC-1	GWB-5R	GWC-13	GWC-2	GWC-22	GWC-20	GWC-21
7/17/2015									<0.02
7/18/2015							0.014	<0.02	
10/6/2015									
1/17/2016			<0.02			<0.02		<0.02	<0.02
1/18/2016	0.0025			<0.02	0.0017 (J)		<0.02		
1/19/2016		0.0029							
4/26/2016									
7/26/2016		<0.02			0.0028 (J)				
7/27/2016	0.0021 (J)		<0.02	0.0015 (J)		0.0018 (J)			
7/28/2016								<0.02	<0.02
7/29/2016							0.0129		
10/24/2016									
10/25/2016								<0.02	
1/3/2017				<0.02					
1/4/2017	0.0025 (J)	<0.02	<0.02				0.006 (J)	<0.02	<0.02
1/5/2017					0.0021 (J)	<0.02			
1/6/2017									
4/3/2017									
4/4/2017			<0.02			0.0015 (J)		<0.02	0.0015 (J)
4/5/2017	0.0026 (J)								
4/6/2017		0.004 (J)		0.0023 (J)	0.0027 (J)		0.0031 (J)		
7/10/2017	0.0023 (J)								
7/11/2017		<0.02					0.0029 (J)	<0.02	
7/12/2017			<0.02	<0.02	0.0043 (J)				
7/13/2017						0.0014 (J)			0.002 (J)
10/2/2017								<0.02	
10/3/2017									
10/4/2017									
1/9/2018									0.0016 (J)
1/10/2018			0.0014 (J)	0.0022 (J)	0.0021 (J)	<0.02		0.0034 (J)	
1/11/2018	0.0031 (J)	0.0018 (J)					0.0106		
7/9/2018								<0.02	
7/10/2018			0.0021 (J)	<0.02		<0.02			<0.02
7/11/2018	0.0036 (J)	<0.02			0.0039 (J)		0.0057 (J)		
1/16/2019			<0.02	<0.02	0.047				
1/17/2019	0.0032 (J)	<0.02							<0.02
1/18/2019							0.0024 (J)		
1/21/2019						<0.02		<0.02	
3/25/2019								<0.02	
3/26/2019			<0.02	<0.02	0.03				<0.02
3/27/2019	0.0031 (J)	<0.02					<0.02		
7/30/2019						0.0067 (J)			
10/7/2019									
10/8/2019		0.0061 (J)			0.053				0.0071 (J)
10/9/2019	0.0057 (J)		0.0057 (J)	0.0081 (J)		0.005 (J)	0.0079 (J)	0.0049 (J)	
4/6/2020									
4/7/2020	<0.02	<0.02	<0.02	<0.02			<0.02		<0.02
4/8/2020					0.023	<0.02		<0.02	
9/28/2020			0.0092 (J)		0.016				
9/29/2020	0.0074 (J)	0.0031 (J)				0.056			
9/30/2020				<0.02			<0.02	0.031	0.0096 (J)
10/1/2020									

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/30/2025 5:14 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-11	GWC-1	GWB-5R	GWC-13	GWC-2	GWC-22	GWC-20	GWC-21
3/10/2021	<0.02	<0.02	<0.02	<0.02			<0.02		
3/11/2021									
3/12/2021								<0.02	
3/15/2021					0.039	<0.02			
3/16/2021									<0.02
9/21/2021	<0.02	<0.02		<0.02	0.036		<0.02		
9/22/2021						<0.02		<0.02	<0.02
9/23/2021			<0.02						
1/31/2022									
2/1/2022								<0.02	<0.02
2/2/2022						<0.02			
2/3/2022	<0.02	<0.02	<0.02	<0.02	0.037		<0.02		
8/30/2022	0.0262			<0.02				0.0171 (J)	0.00814 (J)
8/31/2022		<0.02			0.0266		<0.02		
9/1/2022			0.00578 (J)			0.0125 (J)			
1/31/2023									
2/1/2023	0.00334 (J)	<0.02		<0.02	0.025			<0.02	
2/2/2023			<0.02			<0.02	<0.02		<0.02
8/28/2023									
8/29/2023			<0.02	<0.02	0.0194 (J)	<0.02	0.0054 (J)		
9/6/2023	<0.02	0.00479 (J)						<0.02	<0.02
9/7/2023									
1/23/2024			<0.02				<0.02		
1/24/2024		<0.02						<0.02	
1/25/2024	<0.02				0.0195 (J)	<0.02			<0.02
2/7/2024									
2/8/2024				<0.02					
8/19/2024									
8/20/2024			0.00917 (J)						
8/21/2024	0.00744 (J)	0.0392		<0.02	0.0168 (J)	<0.02	0.0141 (J)	<0.02	
8/22/2024									<0.02
1/27/2025									
1/28/2025		<0.02					<0.02		
1/29/2025	<0.02		0.00514 (J)	<0.02	0.0186 (J)	<0.02		0.00569 (J)	<0.02
7/28/2025									
7/29/2025		<0.02	<0.02				0.0173 (J)	<0.02	
7/30/2025	<0.02			<0.02	0.0151 (J)	<0.02			<0.02

ND substitution: RL or RL/2 if <15% NDs.

FIGURE F.

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01482**	**431**	**206**	**Yes**	**38**	**0**	**n/a**	**0.01**	**NP**

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

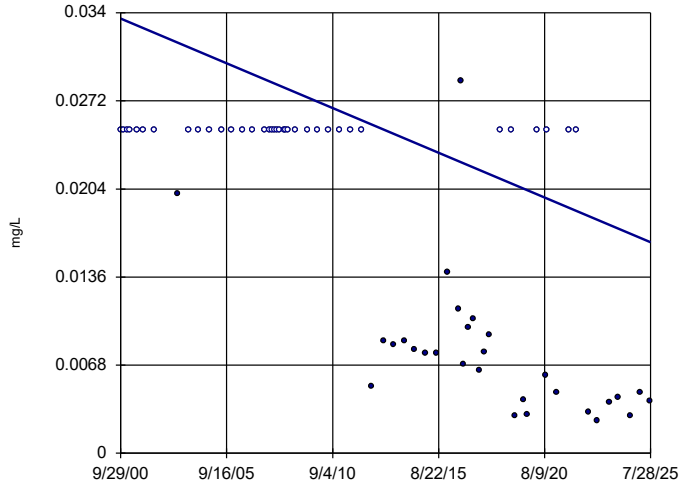
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0006953**	**-5.683**	**-2.58**	**Yes**	**65**	**55.38**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.179**	**-2.58**	**Yes**	**84**	**90.48**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	GWC-15	0.006297	6	38	No	12	0	n/a	0.01	NP
Arsenic (mg/L)	GWC-16	-0.0001163	-0.2911	-2.58	No	83	1.205	n/a	0.01	NP
Arsenic (mg/L)	GWC-20	0.004166	85	206	No	38	0	n/a	0.01	NP
Barium (mg/L)	GWA-7 (bg)	0.001286	1.56	2.58	No	64	0	n/a	0.01	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.00257**	**-9.817**	**-2.58**	**Yes**	**83**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01482**	**431**	**206**	**Yes**	**38**	**0**	**n/a**	**0.01**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 65

Slope = -0.0006953 units per year.

Mann-Kendall normal approx. = -5.683
critical = -2.58

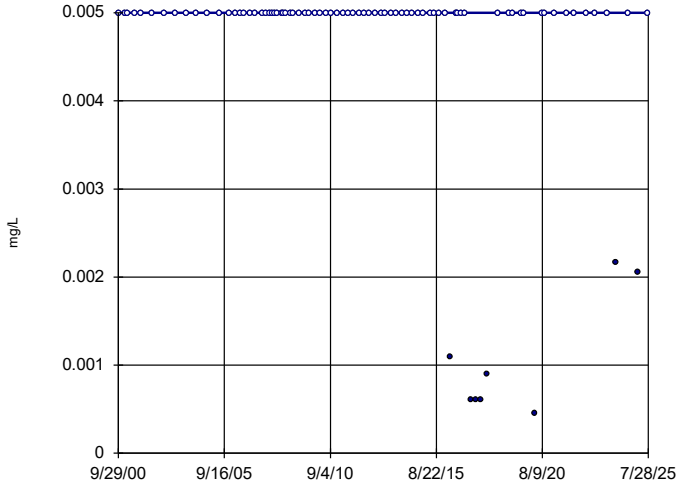
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 84

Slope = 0 units per year.

Mann-Kendall normal approx. = -3.179
critical = -2.58

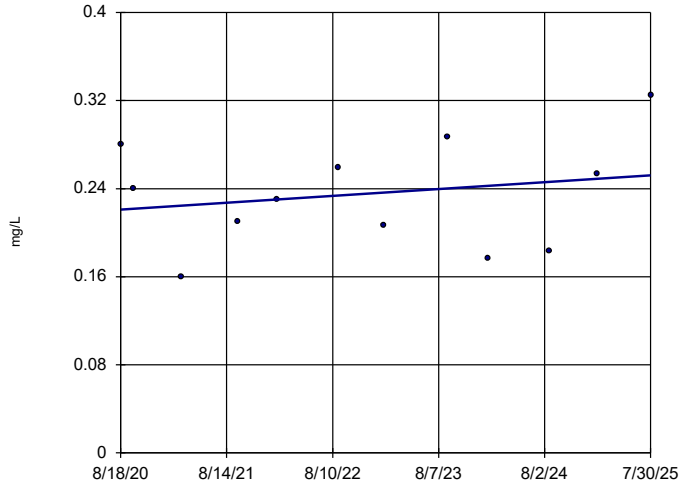
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 12

Slope = 0.006297 units per year.

Mann-Kendall statistic = 6
critical = 38

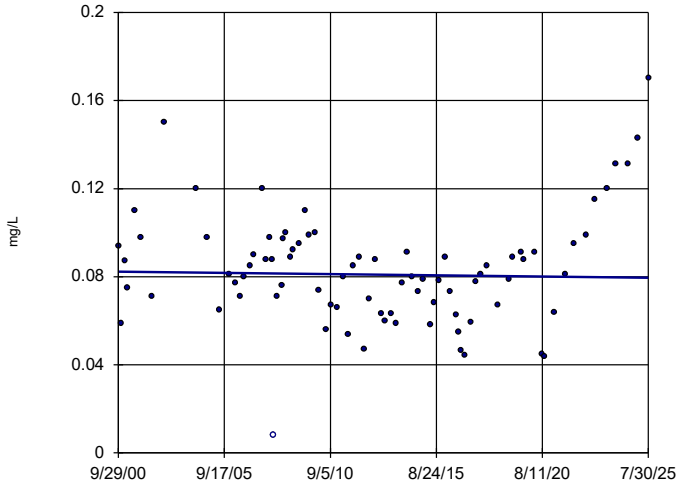
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-16



n = 83

Slope = -0.0001163 units per year.

Mann-Kendall normal approx. = -0.2911
critical = -2.58

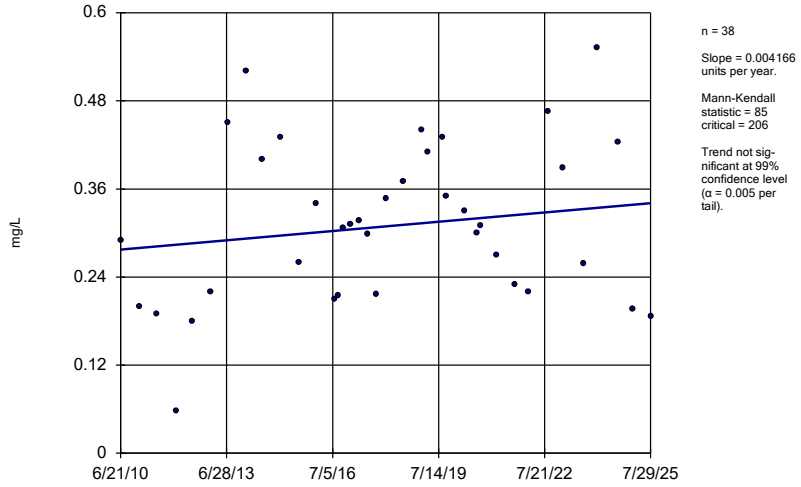
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 38

Slope = 0.004166 units per year.

Mann-Kendall statistic = 85 critical = 206

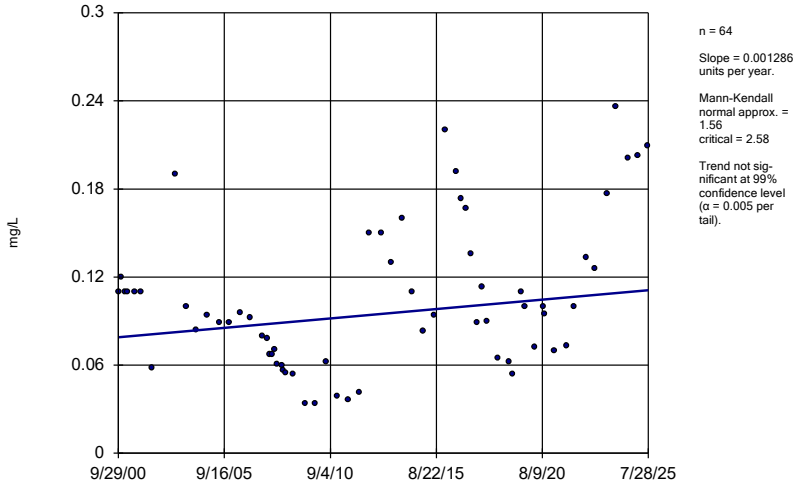
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 64

Slope = 0.001286 units per year.

Mann-Kendall normal approx. = 1.56 critical = 2.58

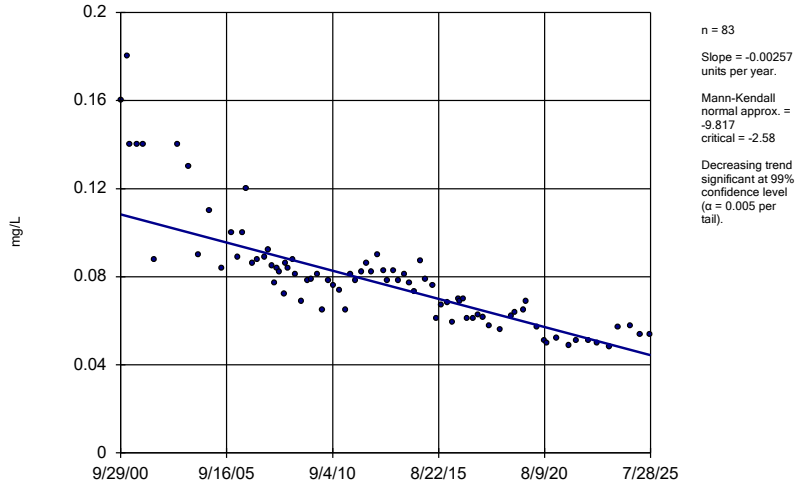
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 83

Slope = -0.00257 units per year.

Mann-Kendall normal approx. = -9.817 critical = -2.58

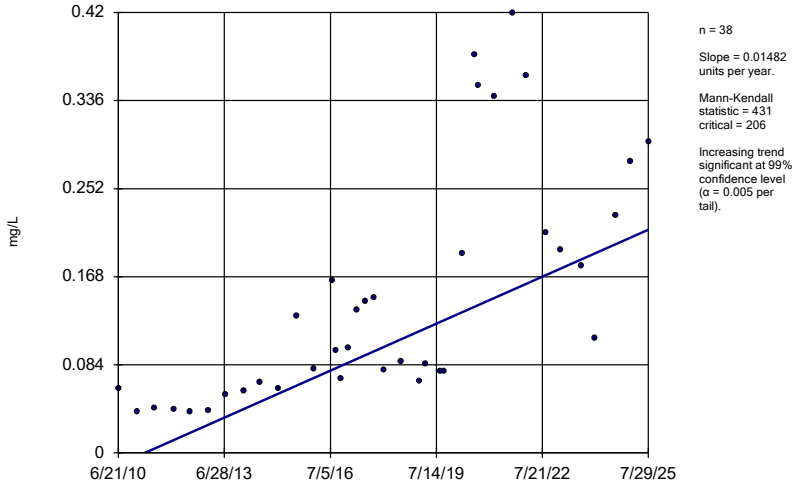
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 38

Slope = 0.01482 units per year.

Mann-Kendall statistic = 431 critical = 206

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/30/2025 5:17 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE G.

Appendix III Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:20 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWB-4R	35.8	n/a	7/28/2025	155	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-5R	35.8	n/a	7/30/2025	102	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-6R	35.8	n/a	7/29/2025	59.8	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-1	35.8	n/a	7/29/2025	61.1	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	35.8	n/a	7/29/2025	101	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	35.8	n/a	7/30/2025	51.6	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-14	35.8	n/a	7/30/2025	136	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-15	35.8	n/a	7/30/2025	137	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-16	35.8	n/a	7/30/2025	191	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17	35.8	n/a	7/29/2025	81.7	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	35.8	n/a	7/29/2025	246	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	35.8	n/a	7/30/2025	93.3	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22	35.8	n/a	7/29/2025	114	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-17	260	n/a	7/29/2025	428	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-22	260	n/a	7/29/2025	394	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-15	6.43	4.23	7/30/2025	6.58	Yes	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-4R	160	n/a	7/28/2025	593	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-5R	160	n/a	7/30/2025	661	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-6R	160	n/a	7/29/2025	487	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-11	160	n/a	7/29/2025	554	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-12	160	n/a	7/30/2025	388	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-14	160	n/a	7/30/2025	219	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-16	160	n/a	7/30/2025	1360	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-17	160	n/a	7/29/2025	385	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-20	160	n/a	7/29/2025	1260	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21	160	n/a	7/30/2025	413	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-22	160	n/a	7/29/2025	812	Yes	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:20 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)	GWB-4R	21.8	n/a	7/28/2025	5.53	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-5R	21.8	n/a	7/30/2025	3.24	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-6R	21.8	n/a	7/29/2025	5.27	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-1	21.8	n/a	7/29/2025	0.449	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-2	21.8	n/a	7/30/2025	0.0235	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-9	21.8	n/a	7/30/2025	0.0191	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-11	21.8	n/a	7/29/2025	1.59	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-12	21.8	n/a	7/30/2025	6.57	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-13	21.8	n/a	7/30/2025	0.238	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-14	21.8	n/a	7/30/2025	0.0576	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-15	21.8	n/a	7/30/2025	0.708	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-16	21.8	n/a	7/30/2025	18.1	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-17	21.8	n/a	7/29/2025	1.32	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-20	21.8	n/a	7/29/2025	18	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-21	21.8	n/a	7/30/2025	4.6	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-22	21.8	n/a	7/29/2025	8.01	No	46	n/a	n/a	0	n/a	n/a	0.0008612	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWB-4R**	**35.8**	**n/a**	**7/28/2025**	**155**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-5R**	**35.8**	**n/a**	**7/30/2025**	**102**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-6R**	**35.8**	**n/a**	**7/29/2025**	**59.8**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-1**	**35.8**	**n/a**	**7/29/2025**	**61.1**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-2	35.8	n/a	7/30/2025	0.233	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	35.8	n/a	7/30/2025	4.81	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-11**	**35.8**	**n/a**	**7/29/2025**	**101**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-12**	**35.8**	**n/a**	**7/30/2025**	**51.6**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-13	35.8	n/a	7/30/2025	6.09	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-14**	**35.8**	**n/a**	**7/30/2025**	**136**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-15**	**35.8**	**n/a**	**7/30/2025**	**137**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-16**	**35.8**	**n/a**	**7/30/2025**	**191**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-17**	**35.8**	**n/a**	**7/29/2025**	**81.7**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-20**	**35.8**	**n/a**	**7/29/2025**	**246**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-21**	**35.8**	**n/a**	**7/30/2025**	**93.3**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-22**	**35.8**	**n/a**	**7/29/2025**	**114**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWB-4R	260	n/a	7/28/2025	146	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-5R	260	n/a	7/30/2025	41.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-6R	260	n/a	7/29/2025	63.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	260	n/a	7/29/2025	4.59	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-2	260	n/a	7/30/2025	3.72	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	260	n/a	7/30/2025	22.5	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	260	n/a	7/29/2025	75.2	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	260	n/a	7/30/2025	52.3	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	260	n/a	7/30/2025	4.46	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14	260	n/a	7/30/2025	37.1	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15	260	n/a	7/30/2025	5.71	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-16	260	n/a	7/30/2025	40.8	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-17**	**260**	**n/a**	**7/29/2025**	**428**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWC-20	260	n/a	7/29/2025	17.5	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	260	n/a	7/30/2025	17.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-22**	**260**	**n/a**	**7/29/2025**	**394**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWB-4R	0.49	n/a	7/28/2025	0.0357J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-5R	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-6R	0.49	n/a	7/29/2025	0.0648J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.49	n/a	7/29/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-2	0.49	n/a	7/30/2025	0.0506J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-9	0.49	n/a	7/30/2025	0.0743J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-11	0.49	n/a	7/29/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-12	0.49	n/a	7/30/2025	0.137	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:20 PM

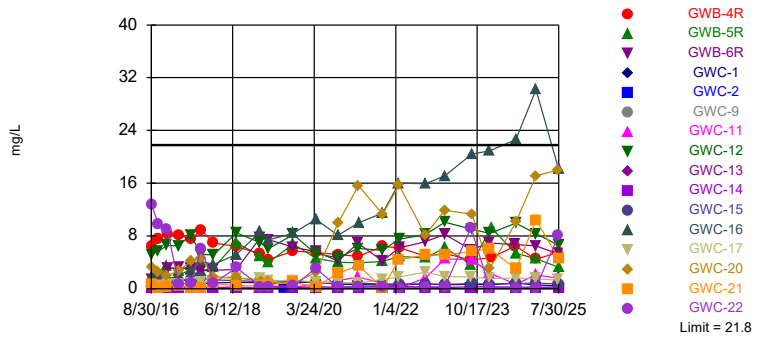
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-13	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-14	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-15	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-17	0.49	n/a	7/29/2025	0.418	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-20	0.49	n/a	7/29/2025	0.269J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-21	0.49	n/a	7/30/2025	0.1ND	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-22	0.49	n/a	7/29/2025	0.0732J	No	50	n/a	n/a	20	n/a	n/a	0.000717	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-4R	6.43	4.23	7/28/2025	6.09	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-5R	6.43	4.23	7/30/2025	5.47	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-6R	6.43	4.23	7/29/2025	5.47	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-1	6.43	4.23	7/29/2025	6.01	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-2	6.43	4.23	7/30/2025	4.48	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-9	6.43	4.23	7/30/2025	4.51	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-11	6.43	4.23	7/29/2025	4.92	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-12	6.43	4.23	7/30/2025	4.37	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-13	6.43	4.23	7/30/2025	4.62	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-14	6.43	4.23	7/30/2025	6.06	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	**GWC-15**	**6.43**	**4.23**	**7/30/2025**	**6.58**	**Yes**	**50**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001434**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	GWC-16	6.43	4.23	7/30/2025	5.32	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-17	6.43	4.23	7/29/2025	5.06	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-20	6.43	4.23	7/29/2025	5.91	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-21	6.43	4.23	7/30/2025	5.69	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-22	6.43	4.23	7/29/2025	4.56	No	50	n/a	n/a	0	n/a	n/a	0.001434	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWB-4R**	**160**	**n/a**	**7/28/2025**	**593**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-5R**	**160**	**n/a**	**7/30/2025**	**661**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-6R**	**160**	**n/a**	**7/29/2025**	**487**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-1	160	n/a	7/29/2025	25.9	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-2	160	n/a	7/30/2025	11.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-9	160	n/a	7/30/2025	22.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-11**	**160**	**n/a**	**7/29/2025**	**554**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-12**	**160**	**n/a**	**7/30/2025**	**388**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-13	160	n/a	7/30/2025	46.6	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-14**	**160**	**n/a**	**7/30/2025**	**219**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-15	160	n/a	7/30/2025	74	No	58	n/a	n/a	0	n/a	n/a	0.0005512	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-16**	**160**	**n/a**	**7/30/2025**	**1360**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-17**	**160**	**n/a**	**7/29/2025**	**385**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-20**	**160**	**n/a**	**7/29/2025**	**1260**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-21**	**160**	**n/a**	**7/30/2025**	**413**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-22**	**160**	**n/a**	**7/29/2025**	**812**	**Yes**	**58**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005512**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	GWB-4R	2640	n/a	7/28/2025	2130	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-5R	2640	n/a	7/30/2025	1110	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-6R	2640	n/a	7/29/2025	1110	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-1	2640	n/a	7/29/2025	327	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-2	2640	n/a	7/30/2025	20	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-9	2640	n/a	7/30/2025	90	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-11	2640	n/a	7/29/2025	977	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-12	2640	n/a	7/30/2025	638	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-13	2640	n/a	7/30/2025	114	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-14	2640	n/a	7/30/2025	722	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-15	2640	n/a	7/30/2025	544	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-16	2640	n/a	7/30/2025	2100	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-17	2640	n/a	7/29/2025	1330	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-20	2640	n/a	7/29/2025	2100	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-21	2640	n/a	7/30/2025	735	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-22	2640	n/a	7/29/2025	1910	No	41	n/a	n/a	0	n/a	n/a	0.001042	NP Inter (normality) 1 of 2

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Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 46 background values. Annual per-constituent alpha = 0.02719. Individual comparison alpha = 0.0008612 (1 of 2). Comparing 16 points to limit.

Constituent: Boron Analysis Run 9/30/2025 5:18 PM View: Appendix III

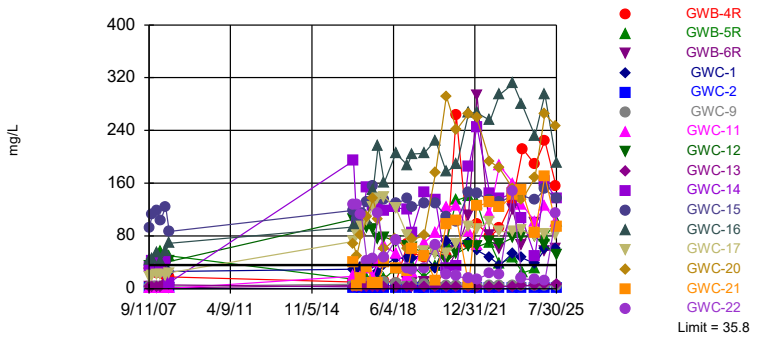
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limit: GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20,..

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 58 background values. Annual per-constituent alpha = 0.01749. Individual comparison alpha = 0.0005512 (1 of 2). Comparing 16 points to limit.

Constituent: Calcium Analysis Run 9/30/2025 5:18 PM View: Appendix III

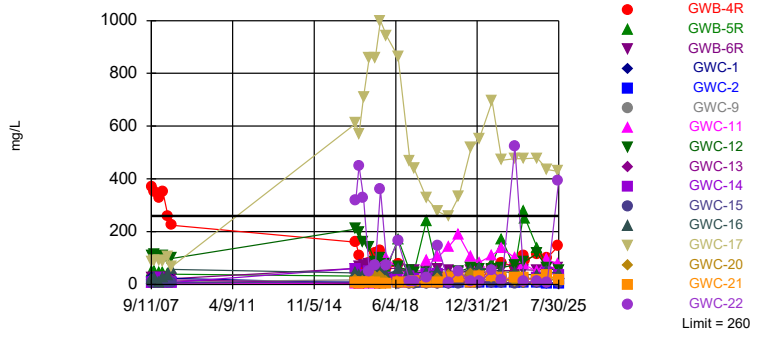
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limit: GWC-17, GWC-22

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 58 background values. Annual per-constituent alpha = 0.01749. Individual comparison alpha = 0.0005512 (1 of 2). Comparing 16 points to limit.

Constituent: Chloride Analysis Run 9/30/2025 5:18 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

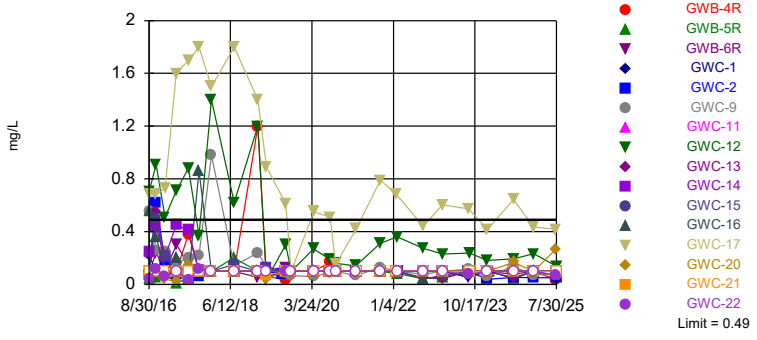
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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 50 background values. 20% NDs. Annual per-constituent alpha = 0.02269. Individual comparison alpha = 0.000717 (1 of 2). Comparing 16 points to limit.

Constituent: Fluoride Analysis Run 9/30/2025 5:18 PM View: Appendix III

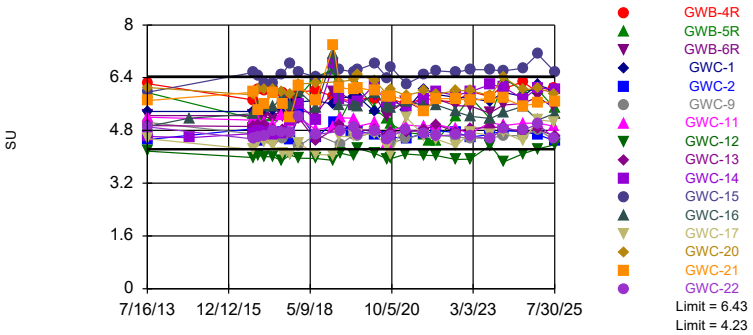
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limits: GWC-15

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 50 background values. Annual per-constituent alpha = 0.04538. Individual comparison alpha = 0.001434 (1 of 2). Comparing 16 points to limit.

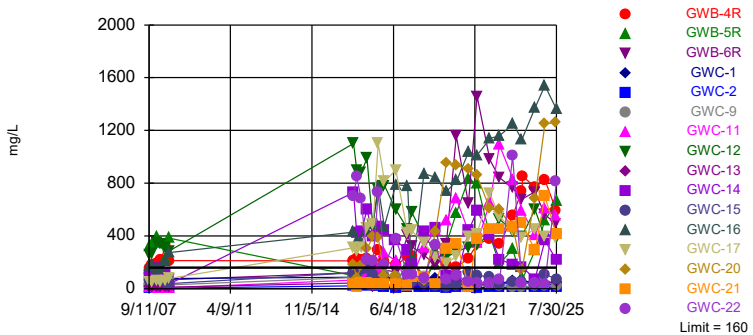
Constituent: pH, Field Analysis Run 9/30/2025 5:19 PM View: Appendix III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limit: GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, GWC-22

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 58 background values. Annual per-constituent alpha = 0.01749. Individual comparison alpha = 0.0005512 (1 of 2). Comparing 16 points to limit.

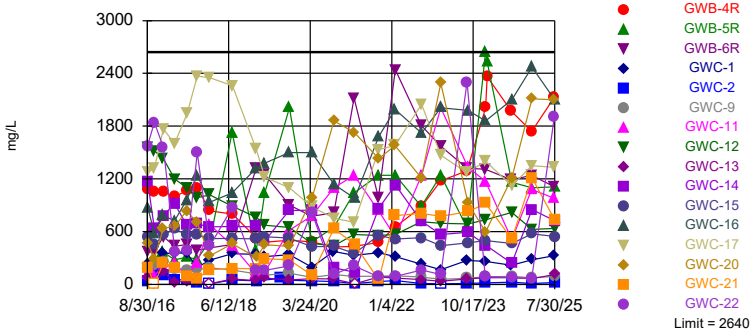
Constituent: Sulfate Analysis Run 9/30/2025 5:19 PM View: Appendix III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 41 background values. Annual per-constituent alpha = 0.03282. Individual comparison alpha = 0.001042 (1 of 2). Comparing 16 points to limit.

Constituent: TDS Analysis Run 9/30/2025 5:19 PM View: Appendix III
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-1	GWB-6R	GWA-8 (bg)	GWC-9	GWC-11	GWC-12	GWC-13	GWC-2
8/30/2016	1.09	0.875	1.41	0.117					
8/31/2016					0.096 (J)	0.0688 (J)	5.1	0.261	0.0196 (J)
9/1/2016									
10/24/2016				0.126					
10/25/2016		1.22							
10/26/2016	2.5		1.83			0.083 (J)	5.74	0.211	0.05 (J)
10/27/2016					0.0281 (J)				
1/3/2017	3.39			0.124					
1/4/2017		1.3				0.0738	6.56		
1/5/2017			3.07					0.179	0.0162 (J)
1/6/2017					0.0189 (J)				
4/3/2017				0.105					
4/4/2017		1.19							0.019 (J)
4/5/2017							6.49		
4/6/2017	2.76		3.19		0.0181 (J)	0.0754		0.112	
7/10/2017							8.13		
7/11/2017				0.136		0.0614			
7/12/2017	3.55	1.37	3.06		0.0211 (J)			0.0882	
7/13/2017									0.023 (J)
10/2/2017				0.107					
10/3/2017	2.72	0.765	2.69			0.0838			0.0266 (J)
10/4/2017					0.0254 (J)		5.18	0.116	
1/9/2018			2.81	0.123					
1/10/2018	3.21	0.876						0.101	0.0203 (J)
1/11/2018					0.018 (J)	0.169	5.16		
7/9/2018				0.11					
7/10/2018	7	0.94	2.9						0.026 (J)
7/11/2018					0.02 (J)	0.3	8.5	0.098	
1/16/2019	5	0.91	7.7	0.13				0.11	
1/17/2019						0.065	7		
1/18/2019					0.018 (J)				
1/21/2019									0.018 (J)
3/25/2019				0.098					
3/26/2019	4	0.77	7.4					0.35	
3/27/2019					0.016 (J)	0.089	6.1		
7/30/2019									0.02 (J)
10/7/2019				0.12					
10/8/2019						0.22		0.18	
10/9/2019	6.8	0.93	6.3		0.019 (J)		8.2		0.024 (J)
4/6/2020				0.14					
4/7/2020	4.6	1	5.6			0.67	5.3		
4/8/2020					0.023 (J)			0.28	0.031 (J)
9/28/2020		0.69		0.15				0.24	
9/29/2020						1.2	4.7		0.024 (J)
9/30/2020	4		4.2						
10/1/2020					0.028 (J)				
3/10/2021	3.9	0.63	6.9		0.022 (J)	1.8	6.1		
3/11/2021									
3/12/2021				0.11					
3/15/2021								0.31	0.084
3/16/2021									
9/21/2021	4.1		4.2	0.13		0.8	5.8	0.38	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-1	GWB-6R	GWA-8 (bg)	GWC-9	GWC-11	GWC-12	GWC-13	GWC-2
9/22/2021					0.015 (J)				0.017 (J)
9/23/2021		0.59							
1/31/2022				0.13					
2/1/2022									
2/2/2022			6.2		0.011 (J)				0.023 (J)
2/3/2022	4.9	0.59				0.1	7.5	0.37	
8/30/2022	4.66		7.13	0.152			8.21		
8/31/2022						1.65		0.231	
9/1/2022		0.728			0.0187				0.0204
1/31/2023				0.177					
2/1/2023	6.19		8.23		0.0186	4.49	10.1	0.208	
2/2/2023		0.599							0.022
8/28/2023				0.194					
8/29/2023	3.69	0.653	5.92		0.016			0.296	0.0163
9/6/2023						4.44	9.02		
9/7/2023									
1/23/2024		0.568	6.94	0.195					
1/24/2024					0.0175	2.36			
1/25/2024							8.4	0.275	0.0199
2/7/2024									
2/8/2024	9.21								
8/19/2024									
8/20/2024		0.854	6.7						
8/21/2024	5.38			0.23	0.0193	0.668	9.95	0.233	0.023
8/22/2024									
1/27/2025				0.268					
1/28/2025			6.51			2.08			
1/29/2025	4.55	0.589			0.0177		8.33	0.252	0.0209
7/28/2025				0.28					
7/29/2025		0.449	5.27			1.59			
7/30/2025	3.24				0.0191		6.57	0.238	0.0235

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-14	GWC-16	GWB-4R	GWC-17	GWC-20	GWC-21	GWA-7 (bg)	GWC-15
8/30/2016									
8/31/2016	12.8								
9/1/2016		0.071 (J)	1.82	6.48	0.408	3.34	0.62	11.6	9.01 (O)
10/24/2016									
10/25/2016		0.0819 (J)	1.26			2.54	0.0658 (J)	21.4	1.66
10/26/2016	9.81			7.57	0.5				
10/27/2016									
1/3/2017									
1/4/2017	8.94		1.46			1.91	0.36		
1/5/2017		0.0813			0.676				1.1
1/6/2017				8.34				20.1	
4/3/2017									1.21
4/4/2017		0.0723		8.18		2.77	0.509		
4/5/2017			2		0.69				
4/6/2017	0.733							21.8	
7/10/2017									
7/11/2017	0.852	0.0734				4.14			1.44
7/12/2017			2.95	7.51					
7/13/2017					0.888		0.126	16.3	
10/2/2017		0.0748				4.65			1.59
10/3/2017			4.15				0.1		
10/4/2017	6.05			8.88	1.02			21.5	
1/9/2018		0.0679					0.783	13.9	1.35
1/10/2018			3.68			1.79			
1/11/2018	0.838			6.95	1.28				
7/9/2018		0.061				1.7			
7/10/2018			5.2				0.5		1.2
7/11/2018	3.2			6.4	1.6			11.7	
1/16/2019		0.046		5.3	1.5			9.3	
1/17/2019			8.6				0.43		1.1
1/18/2019	0.37								
1/21/2019						1.1			
3/25/2019				4.4		1		8.5	
3/26/2019		0.037 (J)	7.4		1.2		0.61		0.95
3/27/2019	0.37								
7/30/2019									
10/7/2019									
10/8/2019		0.048	8.4				1	6.4	1.1
10/9/2019	0.39			5.7	1.3	0.79			
4/6/2020								6.1	
4/7/2020	3.1	0.061 (J)	10.5	5.5			0.24		0.96
4/8/2020					0.99	2.5			
9/28/2020								4.6	
9/29/2020		0.053							
9/30/2020	0.25		8.1		0.86	9.9	2.3		0.86
10/1/2020				5.2					
3/10/2021	0.32			4.9					
3/11/2021					0.85			8	
3/12/2021						15.6			0.81
3/15/2021									
3/16/2021		0.08	10				3.5		
9/21/2021	0.19			6.4				4.4	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-14	GWC-16	GWB-4R	GWC-17	GWC-20	GWC-21	GWA-7 (bg)	GWC-15
9/22/2021		0.052	11.5		1.4	11.3	0.095		
9/23/2021									0.72
1/31/2022								3.9	
2/1/2022			16		1.8	15.7	4.4		
2/2/2022		0.044		6.2					
2/3/2022	0.18								0.71
8/30/2022		0.046		4.95		8.14	5.08	5.72	
8/31/2022	0.271				2.51				0.719
9/1/2022			15.9						
1/31/2023								5.72	
2/1/2023			17.1		1.83	11.9			
2/2/2023	0.302	0.0451		5.35			5.15		0.679
8/28/2023								7.01	
8/29/2023	9.28			4.35	1.77				
9/6/2023		0.0433	20.4			11.3	5.6		
9/7/2023									0.747
1/23/2024	0.173							10.4	
1/24/2024					1.57	3			0.743
1/25/2024		0.0439	20.9				6.05		
2/7/2024				4.72					
2/8/2024									
8/19/2024								10.5	
8/20/2024				6.51					
8/21/2024	0.179	0.0675	22.6		1.66	10.1			0.785
8/22/2024							2.98		
1/27/2025									
1/28/2025	0.155			4.48	1.52			9.95	
1/29/2025		0.0554	30.2			17.1	10.4		0.845
7/28/2025				5.53				11.2	
7/29/2025	8.01				1.32	18			
7/30/2025		0.0576	18.1				4.6		0.708

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-8 (bg)	GWC-16	GWC-14	GWC-1	GWC-17	GWB-4R	GWC-2	GWB-5R	GWC-15
9/11/2007	14	43	32						
9/12/2007				34	18	31	0.11	38	92
9/13/2007									
9/14/2007									
11/6/2007		46	41		19		0.11		113
11/7/2007				32		28		44	
11/8/2007	16								
1/15/2008									
1/16/2008		55	41		21		0.097		118
1/17/2008				32		23		53	
1/18/2008	18								
3/11/2008	18	42	26						
3/12/2008				40		26	0.1		104
3/13/2008					21			56	
6/3/2008									
6/4/2008	15			26	20			36	
6/5/2008		56	43			20	0.14		124
7/29/2008	16								
7/30/2008						18		50	
7/31/2008		69	9	26	24		0.11		87
8/30/2016	23.8			29.4				14.3	
8/31/2016							0.371 (J)		
9/1/2016		93.8	194		71.9	9.91			119
10/24/2016	22.5								
10/25/2016		94.1	100	28.3					106
10/26/2016					80.3	8.56	5.84	18.6	
10/27/2016									
1/3/2017	22.1							18.1	
1/4/2017		88.2		33.4					
1/5/2017			107		94.4		0.379 (J)		115
1/6/2017						8.18			
4/3/2017	24.6 (J)								131
4/4/2017			153	34.6		8.12	0.993		
4/5/2017		106			104				
4/6/2017								16.2	
7/10/2017									
7/11/2017	23.5		125						155
7/12/2017		149		38		8		18.1	
7/13/2017					124		0.388 (J)		
10/2/2017	22.7		126						137
10/3/2017		217		25.5			0.251 (J)	15.2	
10/4/2017					136	12.5			
1/9/2018	23.2		119						135
1/10/2018		161		36.5			0.177 (J)	15.5	
1/11/2018					139	12.9			
7/9/2018	24.6 (J)		123						
7/10/2018		205		45.5			0.17 (J)	30.6	129
7/11/2018					122	8.6			
1/16/2019	27.7		120	46.5	80.5	68.8		33.3	
1/17/2019		187							137
1/18/2019									
1/21/2019							0.19 (J)		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-8 (bg)	GWC-16	GWC-14	GWC-1	GWC-17	GWB-4R	GWC-2	GWB-5R	GWC-15
3/25/2019	31.7					55.6			
3/26/2019		204	84.2	46.3	68.8			36.1	124
3/27/2019									
7/30/2019							0.43		
10/7/2019	31.6								
10/8/2019		205	146						129
10/9/2019				51.2	56.6	46.7	0.18	17.7	
4/6/2020	35.8								
4/7/2020		225	135	31.1		62.1		34.1	129
4/8/2020					53.1		0.24 (J)		
9/28/2020	25.6			70.7					
9/29/2020			30.8				0.18 (J)		
9/30/2020		177			53.5			70.4	109
10/1/2020						48.4			
3/10/2021				67.2		263		134	
3/11/2021					67				
3/12/2021	21.4								101
3/15/2021							0.22 (J)		
3/16/2021		188	34.4						
9/21/2021	18.5					67.5		140	
9/22/2021		267	185		94.6		0.19 (J)		
9/23/2021				69.1					146
1/31/2022	17.2								
2/1/2022		267			90.8				
2/2/2022			245			98.2	0.16 (J)		
2/3/2022				58.2				130	144
8/30/2022	15		144			79.3		70.3	
8/31/2022					102				135
9/1/2022		255		46.9			0.236		
1/31/2023	14.8								
2/1/2023		294			86.8			38.3	
2/2/2023			137	35.2		91.8	0.143 (J)		131
8/28/2023	13.6								
8/29/2023				53.9	86.5	133	0.165 (J)	46.8	
9/6/2023		311	145						
9/7/2023									142
1/23/2024	16.6			47.2					
1/24/2024					88.7				141
1/25/2024		280	107				0.17 (J)		
2/7/2024						212			
2/8/2024								24.2	
8/19/2024									
8/20/2024				37.8		188			
8/21/2024	18.6	232	49.5		78.9		0.156 (J)	30	135
8/22/2024									
1/27/2025	18.7								
1/28/2025					83.7	224			
1/29/2025		295	163	60.2			0.144 (J)	78.6	151
7/28/2025	18.3					155			
7/29/2025				61.1	81.7				
7/30/2025		191	136				0.233	102	137

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-9	GWC-13	GWA-7 (bg)	GWB-6R	GWC-22	GWC-20	GWC-21
9/11/2007									
9/12/2007									
9/13/2007	1.1	34	3.2	2					
9/14/2007					4.8	2			
11/6/2007									
11/7/2007		36		2.8					
11/8/2007	1.1		3.6		4.9	3.4			
1/15/2008	0.93	40		2.4					
1/16/2008			3.5						
1/17/2008						1.6			
1/18/2008					4.7				
3/11/2008		36		2					
3/12/2008			3.2						
3/13/2008	0.77				4.6	3.1			
6/3/2008	0.73	36		7.8					
6/4/2008			3.8		3.4				
6/5/2008						1.9			
7/29/2008	0.6		3.8		3.6				
7/30/2008		41		5.7		1.5			
7/31/2008									
8/30/2016						4.68			
8/31/2016	18.8	105	6.9	2.77			127		
9/1/2016					5.59			67.2	40.5
10/24/2016									
10/25/2016					6.43			50.1	3.91
10/26/2016	16.6	101		2.25		5.45	127		
10/27/2016			8.2						
1/3/2017									
1/4/2017	17.6	94.9					113	80.4	15.2
1/5/2017				2.27		5.35			
1/6/2017			7.97		8.13				
4/3/2017									
4/4/2017								108	32.3
4/5/2017		92.5							
4/6/2017	30.9		7.95	2.04	7.72	5.41	42.7		
7/10/2017		90.3							
7/11/2017	17.7						46	136	
7/12/2017			8.37	2.25		4.81			
7/13/2017					4.57				8.92
10/2/2017								105	
10/3/2017	39.8					5.17			7.88
10/4/2017		74.6	8.57	2.19	6.41		115		
1/9/2018					4.68	4.73			40.5
1/10/2018				2.28				60.1	
1/11/2018	65.6	78.1	9.78				47.6		
7/9/2018								75.9	
7/10/2018						4.5			29.8
7/11/2018	53	72.2	9.2	2.3	3.9		73.7		
1/16/2019				2.3	4.3	10.1			
1/17/2019	19.8 (J)	64.7							27.6
1/18/2019			8.1				30.6		
1/21/2019								60	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-9	GWC-13	GWA-7 (bg)	GWB-6R	GWC-22	GWC-20	GWC-21
3/25/2019					3.9			74.8	
3/26/2019				2.4		9			60.1
3/27/2019	25.1	63.1	7.7				28.8		
7/30/2019									
10/7/2019									
10/8/2019	69.2			2.3	3.5				49.5
10/9/2019		54.2	6			10.1	30.1	80.1	
4/6/2020					3.1				
4/7/2020	84.7	52.1				7.8	65.7		12.5
4/8/2020			5.3	2.5				175	
9/28/2020				2.9	3.3				
9/29/2020	123	42							
9/30/2020						27.5	20.9	292	98.4
10/1/2020			5.5						
3/10/2021	126	53.1	5.3			55.9	18.7		
3/11/2021					2.4				
3/12/2021								241	
3/15/2021				2.4					
3/16/2021									104
9/21/2021	87	63.4		3.6	2.7	110	15.3		
9/22/2021			5					266	5.8
9/23/2021									
1/31/2022					3.4				
2/1/2022								259	125
2/2/2022			4.6			293			
2/3/2022	65.4	63.7		2.7			14.6		
8/30/2022		70.8			3.56	81.8		193	131
8/31/2022	115			2.54			23.2		
9/1/2022			5						
1/31/2023					3.33				
2/1/2023	187	67.5	4.44	2.89		60.4		183	
2/2/2023							21.6		123
8/28/2023					3.72				
8/29/2023			4.38	3.64		120	147		
9/6/2023	160	77.4						151	142
9/7/2023									
1/23/2024					3.56	66.8	15.1		
1/24/2024	128		4.4					134	
1/25/2024		78.5		4.19					150
2/7/2024									
2/8/2024									
8/19/2024					3.36				
8/20/2024						99.1			
8/21/2024	102	79.6	4.68	5.23			13.3	169	
8/22/2024									85
1/27/2025									
1/28/2025	125				3.33	57.5	12.4		
1/29/2025		65.4	4.74	6.01				265	171
7/28/2025					3.57				
7/29/2025	101					59.8	114	246	
7/30/2025		51.6	4.81	6.09					93.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWA-8 (bg)	GWC-14	GWB-4R	GWC-1	GWC-2	GWB-5R	GWC-17	GWC-15
9/11/2007	20.9	16.6	7.52						
9/12/2007				369	24.9	5.88	50.5	85.6	7.64
9/13/2007									
9/14/2007									
11/6/2007	25.9		7.73			6.97		92.4	6.5
11/7/2007				353	24.6		47.7		
11/8/2007		18.3							
1/15/2008									
1/16/2008	7.41		23.5			6.6		91.3	4.92
1/17/2008				327	22		45.2		
1/18/2008		19.5							
3/11/2008	27	15.6	7.6						
3/12/2008				351	20.3	7.97			6.28
3/13/2008							44.5	87.4	
6/3/2008									
6/4/2008		16.7			18.3		40.2	104	
6/5/2008	36.5		6.5	259		8.06			6.16
7/29/2008		16.9							
7/30/2008				224			38.4		
7/31/2008	56.7		7.43		22.7	7.29		66.1	5.98
8/30/2016		15			5.5		31		
8/31/2016						7.8			
9/1/2016	43		60	160				610	10
10/24/2016		13							
10/25/2016	34		36		5.1				6.5
10/26/2016				110		12	24	570	
10/27/2016									
1/3/2017		13					29		
1/4/2017	29				6.9				
1/5/2017			37			7.4		710	10
1/6/2017				67					
4/3/2017		14							7.3
4/4/2017			47	80	6.5	8.7			
4/5/2017	36							860	
4/6/2017							27		
7/10/2017									
7/11/2017		13	34						5.7
7/12/2017	44			120	6.5		31		
7/13/2017						8.3		860	
10/2/2017		15	34						4.4
10/3/2017	58				4.5	9	27		
10/4/2017				130				1000	
1/9/2018		13	24						5.7
1/10/2018	36				6.9	8.2	59		
1/11/2018				60				940	
7/9/2018		15.4	25.9						
7/10/2018	57				6.2	7.3	172		3.1
7/11/2018				75.9				864	
1/16/2019		16	29.2	20.2	6.6		49.7	469	
1/17/2019	48.9								3.2
1/18/2019									
1/21/2019						6.9			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWA-8 (bg)	GWC-14	GWB-4R	GWC-1	GWC-2	GWB-5R	GWC-17	GWC-15
3/25/2019		17.7		19.7					
3/26/2019	5.1		21.1		7		47.9	439	3
3/27/2019									
7/30/2019						7.1			
10/7/2019		18							
10/8/2019	46.4		40.2						2.9
10/9/2019				32.1	7.2	7	239	330	
4/6/2020		13.5							
4/7/2020	49.3		41.6	14.5	7.7		44.3		3.4
4/8/2020						5.2		277	
9/28/2020		13.7			13.8				
9/29/2020			10.6			5.4			
9/30/2020	39.6						24.1	257	1.7
10/1/2020				15.7					
3/10/2021				16	8.5		25.7		
3/11/2021								334	
3/12/2021		14.1							2.3
3/15/2021						6.4			
3/16/2021	44.9		15.8						
9/21/2021		12.2		13.9			38.8		
9/22/2021	55.8		28			7.4		517	
9/23/2021					8.8				7.1
1/31/2022		11.2							
2/1/2022	61.5							549	
2/2/2022			29.6	14.5		6.9			
2/3/2022					8		38.5		5.1
8/30/2022		9.93	26.7	65			76.8		
8/31/2022								694	4.83
9/1/2022	57.2				9.17	6.59			
1/31/2023		11							
2/1/2023	47.1						172	470	
2/2/2023			18.2	82.4	6.47	5.42			4.69
8/28/2023		10.1							
8/29/2023				66	7.48	4.97	61.8	476	
9/6/2023	45.9		22.7						
9/7/2023									4.46
1/23/2024		13.4			6.4				
1/24/2024							279	476	5.13
1/25/2024	39.1		18.5	110		5.09			
2/7/2024				92.1					
2/8/2024							251		
8/19/2024									
8/20/2024				114	8.85				
8/21/2024	34.8	18.2	24.3			5.61	138	479	5.49
8/22/2024									
1/27/2025		26.1							
1/28/2025				101				435	
1/29/2025	49.8		42.1		4.43	4.36	73.8		7.14
7/28/2025		17.4		146					
7/29/2025					4.59			428	
7/30/2025	40.8		37.1			3.72	41.6		5.71

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
9/11/2007									
9/12/2007									
9/13/2007	11.8	5.64	108	15.2					
9/14/2007					26.1	73.6			
11/6/2007									
11/7/2007			112	8.56					
11/8/2007	11.8	5.61			24.4	79.4			
1/15/2008		5.39	103	12.2					
1/16/2008	11.1								
1/17/2008					21.2				
1/18/2008						85.1			
3/11/2008			109	12.2					
3/12/2008	10.6								
3/13/2008		4.75			24.2	84.3			
6/3/2008		4.86	95.3	17.8					
6/4/2008	10.9					69			
6/5/2008					24				
7/29/2008	11	5.17				83.9			
7/30/2008			98.3	16.5	21.1				
7/31/2008									
8/30/2016					60				
8/31/2016	17	3.5	210	4.3			320		
9/1/2016						190		16	5.9
10/24/2016									
10/25/2016						150		8.1	4.4
10/26/2016		2.5	200	4.9	67		450		
10/27/2016	17								
1/3/2017									
1/4/2017		3.8	160				330	13	7.7
1/5/2017				4.1	70				
1/6/2017	16					180			
4/3/2017									
4/4/2017								23	8
4/5/2017			140						
4/6/2017	17	7.1		3.7	76	200	50		
7/10/2017			88						
7/11/2017		3.1					70	31	
7/12/2017	18			2.6	64				
7/13/2017						200			5.4
10/2/2017								30	
10/3/2017		46			73				4.4
10/4/2017	18		100	3		260	360		
1/9/2018					61	210			4.4
1/10/2018				3.4				9.7	
1/11/2018	16	100	78				74		
7/9/2018								10.8	
7/10/2018					60.2				6.3
7/11/2018	16.2	53.7	66.9	3.2		177	164		
1/16/2019				3.8	54.1	165			
1/17/2019		6.6	52						5.4
1/18/2019	17.5						11		
1/21/2019								5.1	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
3/25/2019						147		9.4	
3/26/2019				3.2	51.8				11.9
3/27/2019	18.9	11.9	45.6				11.5		
7/30/2019									
10/7/2019									
10/8/2019		89		4		125			7.8
10/9/2019	19		44.1		49.7		25.3	5.4	
4/6/2020						30.2			
4/7/2020		103	32.5		56.4		146		4.7
4/8/2020	16.9			4.5				20.2	
9/28/2020				4.3		113			
9/29/2020		143	24.3						
9/30/2020					53.9		8.5	34.9	23.7
10/1/2020	16.8								
3/10/2021	18.3	188	48.7		42.4		48.2		
3/11/2021						96.7			
3/12/2021								31.9	
3/15/2021				7.6					
3/16/2021									25.3
9/21/2021		103	63.8	7.9	53.8	92.2	9.4		
9/22/2021	19.3							38.9	6
9/23/2021									
1/31/2022						83.4			
2/1/2022								33.4	29.3
2/2/2022	17.5				42.3				
2/3/2022		83.4	57	8.8			10.8		
8/30/2022			58.4		52	74.4		24.4	29.4
8/31/2022		110		6.69			51.2		
9/1/2022	17.6								
1/31/2023						70.1			
2/1/2023	18.8	138	64.5	6.17	51.6			15.3	
2/2/2023							18.2		23.3
8/28/2023						91.9			
8/29/2023	21.1			7.34	53.2		521		
9/6/2023		98	74.1					12.2	24.5
9/7/2023									
1/23/2024					55.4	105	9.89		
1/24/2024	22.4	75.6						7.57	
1/25/2024			84.4	7.26					23.4
2/7/2024									
2/8/2024									
8/19/2024						86.5			
8/20/2024					53				
8/21/2024	24	48.9	117	6.83			10.5	13.1	
8/22/2024									15.8
1/27/2025									
1/28/2025		94.2			63.4	95.9	7.54		
1/29/2025	27.9		61.6	5.36				17.5	35.2
7/28/2025						80.4			
7/29/2025		75.2			63.6		394	17.5	
7/30/2025	22.5		52.3	4.46					17.6

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWB-5R	GWA-8 (bg)	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13
8/30/2016	0.22 (J)	0.09 (J)	0.04 (J)	0.1 (J)					
8/31/2016					0.07 (J)	0.55	<0.1	0.7	<0.1
9/1/2016									
10/24/2016				0.18 (J)					
10/25/2016	<0.1								
10/26/2016		0.24 (J)	0.05 (J)		0.62		<0.1	0.91	0.55
10/27/2016						0.26 (J)			
1/3/2017			0.08 (J)	0.18 (J)					
1/4/2017	0.18 (J)						<0.1	0.51	
1/5/2017		0.11 (J)			0.17 (J)				0.09 (J)
1/6/2017						0.25 (J)			
4/3/2017				0.12 (J)					
4/4/2017	<0.1				0.08 (J)				
4/5/2017								0.71	
4/6/2017		0.3	0.006 (J)			0.16 (J)	<0.1		<0.1
7/10/2017								0.88	
7/11/2017				0.39			<0.1		
7/12/2017	0.04 (J)	0.15 (J)	0.05 (J)			0.2 (J)			<0.1
7/13/2017					0.06 (J)				
10/2/2017				0.12 (J)					
10/3/2017	<0.1	0.11 (J)	0.11 (J)		0.06 (J)		<0.1		
10/4/2017						0.22 (J)		0.37	<0.1
1/9/2018		<0.1		0.21 (J)					
1/10/2018	<0.1		<0.1		<0.1				<0.1
1/11/2018						0.98	<0.1	1.4	
7/9/2018				0.04 (J)					
7/10/2018	<0.1	<0.1	0.2 (J)		<0.1				
7/11/2018						0.14 (J)	<0.1	0.62	<0.1
1/16/2019	<0.1	0.053 (J)	<0.1	<0.1					<0.1
1/17/2019							<0.1	1.2	
1/18/2019						0.24 (J)			
1/21/2019					<0.1				
3/25/2019				0.082 (J)					
3/26/2019	0.051 (J)	0.046 (J)	<0.1						0.052 (J)
3/27/2019						0.13 (J)	<0.1	0.036 (J)	
7/30/2019					0.083 (J)				
8/26/2019				0.13					
8/27/2019	<0.1	0.13 (J)			<0.1		<0.1	0.3	<0.1
8/28/2019			0.097 (J)			0.088 (J)			
10/7/2019				<0.1					
10/8/2019							<0.1		<0.1
10/9/2019	<0.1	<0.1	<0.1		<0.1	0.068 (J)		<0.1	
4/6/2020				0.089 (J)					
4/7/2020	<0.1	<0.1	<0.1				<0.1	0.27 (J)	
4/8/2020					<0.1	0.058 (J)			<0.1
8/17/2020				0.079 (J)				0.19	<0.1
8/18/2020					<0.1		<0.1		
8/19/2020	<0.1	<0.1	<0.1			0.092 (J)			
9/28/2020	<0.1			<0.1					<0.1
9/29/2020					<0.1		<0.1	0.16	
9/30/2020		<0.1	<0.1						
10/1/2020						<0.1			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWB-5R	GWA-8 (bg)	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13
3/10/2021	<0.1	<0.1	<0.1			0.066 (J)	<0.1	0.14	
3/11/2021									
3/12/2021				0.087 (J)					
3/15/2021					<0.1				<0.1
3/16/2021									
9/21/2021		<0.1	<0.1	0.068 (J)			<0.1	0.31	<0.1
9/22/2021					<0.1	0.13			
9/23/2021	<0.1								
1/31/2022				0.09 (J)					
2/1/2022									
2/2/2022		<0.1			<0.1	<0.1			
2/3/2022	<0.1		0.081 (J)				<0.1	0.36	<0.1
8/30/2022		<0.1	0.0428 (J)	0.0759 (J)				0.273	
8/31/2022							<0.1		0.051 (J)
9/1/2022	<0.1				<0.1	0.0783 (J)			
1/31/2023				0.0842 (J)					
2/1/2023		<0.1	0.0546 (J)			0.0994 (J)	<0.1	0.231	0.0423 (J)
2/2/2023	<0.1				<0.1				
8/28/2023				0.0498 (J)					
8/29/2023	0.0596 (J)	0.0523 (J)	<0.1		<0.1	0.115			<0.1
9/6/2023							<0.1	0.238	
9/7/2023									
1/23/2024	<0.1	<0.1		0.0641 (J)					
1/24/2024			<0.1			0.0618 (J)	<0.1		
1/25/2024					0.0377 (J)			0.182	<0.1
2/7/2024									
2/8/2024			<0.1						
8/19/2024									
8/20/2024	<0.1	0.0768 (J)							
8/21/2024			0.0435 (J)	0.108	0.0532 (J)	0.134	<0.1	0.194	0.0496 (J)
8/22/2024									
1/27/2025				0.0768 (J)					
1/28/2025		<0.1					<0.1		
1/29/2025	<0.1		<0.1		0.0517 (J)	0.0734 (J)		0.232	<0.1
7/28/2025				0.0842 (J)					
7/29/2025	<0.1	0.0648 (J)					<0.1		
7/30/2025			<0.1		0.0506 (J)	0.0743 (J)		0.137	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-14	GWB-4R	GWC-15	GWC-16	GWC-17	GWC-20	GWA-7 (bg)	GWC-21
8/30/2016									
8/31/2016	0.04 (J)								
9/1/2016		0.25 (J)	<0.1	<0.1	0.55	0.68	<0.1	<0.1	<0.1
10/24/2016									
10/25/2016		0.43		0.5	0.36		<0.1	0.07 (J)	<0.1
10/26/2016	0.12 (J)		0.05 (J)			0.68			
10/27/2016									
1/3/2017									
1/4/2017	0.06 (J)				0.1 (J)		0.04 (J)		<0.1
1/5/2017		0.21 (J)		0.22 (J)		0.73			
1/6/2017			0.08 (J)					0.2 (J)	
4/3/2017				<0.1					
4/4/2017		0.45	<0.1				0.02 (J)		<0.1
4/5/2017					0.2 (J)	1.6			
4/6/2017	<0.1							0.05 (J)	
7/10/2017									
7/11/2017	0.03 (J)	0.41		0.06 (J)			0.14 (J)		
7/12/2017			0.38		0.04 (J)				
7/13/2017						1.7		0.41	<0.1
10/2/2017		<0.1		<0.1			<0.1		
10/3/2017					0.86				<0.1
10/4/2017	0.12 (J)		<0.1			1.8		0.04 (J)	
1/9/2018		<0.1		<0.1				0.46	<0.1
1/10/2018					<0.1		<0.1		
1/11/2018	<0.1		<0.1			1.5			
7/9/2018		<0.1					<0.1		
7/10/2018				0.15 (J)	<0.1				<0.1
7/11/2018	<0.1		<0.1			1.8		<0.1	
1/16/2019		<0.1	1.2			1.4		0.49	
1/17/2019				<0.1	<0.1				<0.1
1/18/2019	<0.1								
1/21/2019							<0.1		
3/25/2019			0.064 (J)				0.043 (J)	0.21 (J)	
3/26/2019		0.13 (J)		0.13 (J)	0.11 (J)	0.89			0.071 (J)
3/27/2019	<0.1								
7/30/2019									
8/26/2019								<0.1	
8/27/2019	0.1	<0.1	0.031 (J)	<0.1					
8/28/2019					<0.1	0.61	<0.1		<0.1
10/7/2019									
10/8/2019		<0.1		<0.1	<0.1			<0.1	<0.1
10/9/2019	<0.1		<0.1			<0.1	<0.1		
4/6/2020								0.13 (J)	
4/7/2020	<0.1	<0.1	<0.1	<0.1	<0.1				<0.1
4/8/2020						0.55	<0.1		
8/17/2020									
8/18/2020	<0.1	<0.1		<0.1	<0.1	0.51	<0.1		<0.1
8/19/2020			0.17					0.21	
9/28/2020								0.069 (J)	
9/29/2020		<0.1							
9/30/2020	<0.1			<0.1	<0.1	0.15	<0.1		<0.1
10/1/2020			<0.1						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-14	GWB-4R	GWC-15	GWC-16	GWC-17	GWC-20	GWA-7 (bg)	GWC-21
3/10/2021	<0.1		<0.1						
3/11/2021						0.42		<0.1	
3/12/2021				<0.1			<0.1		
3/15/2021									
3/16/2021		<0.1			<0.1				<0.1
9/21/2021	<0.1		<0.1					0.077 (J)	
9/22/2021		<0.1			<0.1	0.79	<0.1		<0.1
9/23/2021				<0.1					
1/31/2022								<0.1	
2/1/2022					<0.1	0.68	<0.1		<0.1
2/2/2022		<0.1	<0.1						
2/3/2022	<0.1			<0.1					
8/30/2022		<0.1	<0.1				<0.1	0.0391 (J)	<0.1
8/31/2022	<0.1			<0.1		0.442			
9/1/2022					0.0374 (J)				
1/31/2023								0.051 (J)	
2/1/2023					0.0702 (J)	0.604	<0.1		
2/2/2023	<0.1	<0.1	<0.1	<0.1					<0.1
8/28/2023								<0.1	
8/29/2023	0.0758 (J)		<0.1			0.572			
9/6/2023		<0.1			<0.1		<0.1		<0.1
9/7/2023				<0.1					
1/23/2024	<0.1							0.0367 (J)	
1/24/2024				<0.1		0.416	<0.1		
1/25/2024		<0.1	<0.1		<0.1				<0.1
2/7/2024			<0.1						
2/8/2024									
8/19/2024								0.061 (J)	
8/20/2024			<0.1						
8/21/2024	<0.1	<0.1		<0.1	<0.1	0.642	0.168		
8/22/2024									<0.1
1/27/2025									
1/28/2025	<0.1		<0.1			0.437		0.0568 (J)	
1/29/2025		<0.1		<0.1	<0.1		<0.1		<0.1
7/28/2025			0.0357 (J)					0.0506 (J)	
7/29/2025	0.0732 (J)					0.418	0.269 (J)		
7/30/2025		<0.1		<0.1	<0.1				<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWB-6R	GWC-15	GWB-4R	GWC-13	GWC-16	GWC-20	GWC-12	GWC-14
7/16/2013	5.05	5.25	5.96	6.22	4.95	4.92	6.1	4.17	4.62
10/11/2014						5.17			4.58
8/30/2016		5.25							
8/31/2016	4.7				4.92			3.98	
9/1/2016			6.56	5.72		5.31	5.88		4.71
10/24/2016									
10/25/2016			6.46			5.58	6.06		4.79
10/26/2016		5.21		6.06	4.95			4.04	
10/27/2016	4.65								
1/3/2017									
1/4/2017						5.51	6.05	4.01	
1/5/2017		5.2	6.25		4.97				4.73
1/6/2017	4.56			6.02					
4/3/2017			6.25						
4/4/2017				6.08			6.03		4.68
4/5/2017					4.81	5.51		4	
4/6/2017	4.5	5.17			4.81				
7/10/2017								3.89	
7/11/2017			6.5				5.96		4.72
7/12/2017	4.56	5.24		5.93	4.83	5.84			
7/13/2017									
10/2/2017			6.83				5.88		5.13
10/3/2017		5.36				5.55			
10/4/2017	4.72			5.77	4.71			4.06	
1/9/2018		5.4	6.57						5.59
1/10/2018					5.17	5.99	6.21		
1/11/2018	4.34			5.98				3.96	
7/9/2018							6.24		5.11
7/10/2018		5.31	6.42			5.5			
7/11/2018	4.68			6.01	4.49			3.95	
1/16/2019		5.99		5.83	6.45 (O)				6.82
1/17/2019			8.44 (O)			7.13		3.89	
1/18/2019	6.87 (O)								
1/21/2019							7.73 (O)		
3/25/2019				5.74			6.28		
3/26/2019		5.94	6.65		4.96	5.57			5.74
3/27/2019	4.38							4.11	
7/30/2019									
8/26/2019									
8/27/2019		5.67	6.57	5.7	4.9			4.02	5.58
8/28/2019	4.68					5.57	6.34		
10/7/2019									
10/8/2019			6.65		4.81	5.54			5.68
10/9/2019	4.62	5.66		5.79			6.5	4.25	
4/6/2020									
4/7/2020		5.86	6.83	5.74		5.94		4.1	6.2
4/8/2020	4.73				4.81		6.31		
8/17/2020					4.65			3.94	
8/18/2020			6.39			5.52	5.89		5.56
8/19/2020	4.58	5.21		5.7					
9/28/2020					4.76				
9/29/2020								3.95	5.69

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWB-6R	GWC-15	GWB-4R	GWC-13	GWC-16	GWC-20	GWC-12	GWC-14
9/30/2020		5.39	6.71			5.47	6.04		
10/1/2020	4.42			5.75					
3/10/2021	4.55	5.69		5.6				4.08	
3/11/2021									
3/12/2021			6.21				5.86		
3/15/2021					4.74				
3/16/2021						5.67			5.53
9/21/2021		5.4		5.78	4.83			4.05	
9/22/2021	4.7					5.57	6		5.76
9/23/2021			6.48						
11/10/2021									
1/31/2022									
2/1/2022						5.57	5.9		
2/2/2022	4.66	5.75		5.71					5.98
2/3/2022			6.61		4.97			4.04	
8/30/2022		5.55		5.67			6.01	3.92	5.86
8/31/2022			6.57		4.76				
9/1/2022	4.6					5.37			
1/31/2023									
2/1/2023	4.57	5.54			4.86	5.23	6.01	3.93	
2/2/2023			6.65	5.99					5.98
8/28/2023									
8/29/2023	4.56	5.33		5.82	4.89				
9/6/2023						5.16	5.86	4.35	6.19
9/7/2023			6.64						
1/23/2024		5.57							
1/24/2024	4.65		6.61				6.41		
1/25/2024				6.17	4.9	5.35		3.84	6.11
2/7/2024				6.07					
2/8/2024									
8/19/2024									
8/20/2024		5.62		6.28					
8/21/2024	4.64		6.69		4.73	5.53	6.03	4.09	5.75
8/22/2024									
1/27/2025									
1/28/2025		5.81		5.96					
1/29/2025	4.82		7.11		4.84	5.11	6.08	4.24	6.08
7/28/2025				6.09					
7/29/2025		5.47					5.91		
7/30/2025	4.51		6.58		4.62	5.32		4.37	6.06

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-17	GWC-1	GWC-11	GWC-21	GWB-5R	GWC-22	GWA-8 (bg)	GWA-7 (bg)
7/16/2013	4.52	4.55	5.38	5.2	5.71	5.95	4.91		
10/11/2014								4.42	
8/30/2016			5.38			5.16		4.42	
8/31/2016	4.85			5.11			4.54		
9/1/2016		4.22			5.96				5.93
10/24/2016								4.36	
10/25/2016			5.51		5.41				6.17
10/26/2016	4.48	4.45		5.08		5.27	4.6		
10/27/2016									
1/3/2017						5.09		4.28	
1/4/2017			5.46	5.06	5.6		4.63		
1/5/2017	4.85	4.45							
1/6/2017									6.16
4/3/2017								4.29	
4/4/2017	4.58		5.43		5.94				
4/5/2017		4.33							
4/6/2017				4.97		5.22	4.79		6.26
7/10/2017									
7/11/2017				5.26			4.73	4.35	
7/12/2017			5.46			5.29			
7/13/2017	4.74	4.11			5.6				5.99
10/2/2017								4.32	
10/3/2017	4.52		5.65	5.07	5.18	5.08			
10/4/2017		4.09					4.74		6.16
1/9/2018					6.14			4.44	6.43
1/10/2018	5.31		5.67			5.83			
1/11/2018		4.4		5.18			5.22		
7/9/2018								4.4	
7/10/2018	4.58		5.71		5.7	6.42			
7/11/2018		4.07		4.82			4.68		6.1
1/16/2019		4.05	5.59			6.66		6.16 (O)	6.05
1/17/2019				4.91	7.39				
1/18/2019							6.98 (O)		
1/21/2019	5.05								
3/25/2019								4.4	6.06
3/26/2019		4.62	5.77		6.08	5.1			
3/27/2019				5.18			4.77		
7/30/2019	4.74								
8/26/2019								4.26	5.91
8/27/2019	4.77		5.84	5.17			4.89		
8/28/2019		4.62			6.05	5.95			
10/7/2019								4.24	
10/8/2019				4.93	6.09				5.74
10/9/2019	4.79	4.66	5.82			6.11	4.68		
4/6/2020								4.52	6.02
4/7/2020			5.36	5.05	6	5.45	4.8		
4/8/2020	4.66	4.71							
8/17/2020								4.23	
8/18/2020	4.6	4.31		4.41	5.82		4.52		
8/19/2020			5.73			5.14			5.81
9/28/2020			5.79					4.41	5.86
9/29/2020	4.6			4.77					

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-17	GWC-1	GWC-11	GWC-21	GWB-5R	GWC-22	GWA-8 (bg)	GWA-7 (bg)
9/30/2020		4.08			5.82	4.99	4.63		
10/1/2020									
3/10/2021			5.42	4.97		4.73	4.82		
3/11/2021		5.2							5.85
3/12/2021								4.54	
3/15/2021	4.56								
3/16/2021					5.74				
9/21/2021				4.92		4.68	4.72	4.44	6.03
9/22/2021	4.71	4.63			5.39				
9/23/2021			6.06						
11/10/2021						4.49			
1/31/2022								4.39	5.94
2/1/2022		4.53			5.76				
2/2/2022	4.79								
2/3/2022			5.89	4.98		4.48	4.63		
8/30/2022					5.76	5.22		4.58	5.98
8/31/2022		4.33		4.85			4.68		
9/1/2022	4.73		5.8						
1/31/2023								4.6	6.02
2/1/2023		4.74		4.71		5.81			
2/2/2023	4.6		5.78		5.71		4.63		
8/28/2023								4.62	5.94
8/29/2023	4.68	4.66	5.68			5.17	4.55		
9/6/2023				5.05	5.78				
9/7/2023									
1/23/2024			5.96				4.84	4.68	6.08
1/24/2024		4.74		4.95		6.28			
1/25/2024	4.79				5.77				
2/7/2024									
2/8/2024						6.37			
8/19/2024									6.19
8/20/2024			5.83						
8/21/2024	4.76	4.47		5.02		6	4.81	4.59	
8/22/2024					5.54				
1/27/2025								4.73	
1/28/2025		5.12		5.03			4.99		6.36
1/29/2025	4.68		6.18		5.63	6.04			
7/28/2025								4.65	6.21
7/29/2025		5.06	6.01	4.92			4.56		
7/30/2025	4.48				5.69	5.47			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWA-8 (bg)	GWC-14	GWB-4R	GWC-1	GWC-2	GWB-5R	GWC-17	GWC-15
9/11/2007	176	127	102						
9/12/2007				158	112	5.24	323	49.6	60.7
9/13/2007									
9/14/2007									
11/6/2007	184		123			9.83		50.1	60.7
11/7/2007				177	112		335		
11/8/2007		130							
1/15/2008									
1/16/2008	157		151			4.64		56.9	65.9
1/17/2008				187	105		396		
1/18/2008		130							
3/11/2008	154	143	78.3						
3/12/2008				214	156	12.3			60.7
3/13/2008							351	53.1	
6/3/2008									
6/4/2008		124			95		228	60.3	
6/5/2008	207		117	327		4.4			49.8
7/29/2008		122							
7/30/2008				213			384		
7/31/2008	275		36.2		77.3	5.45		77.7	37.9
8/30/2016		140			87		100		
8/31/2016						21			
9/1/2016	430		730	210				310	120
10/24/2016		160							
10/25/2016	360		420		83				100
10/26/2016				230		100	130	280	
10/27/2016									
1/3/2017		140					120		
1/4/2017	360				99				
1/5/2017			430			22		310	140
1/6/2017				220					
4/3/2017		140							150
4/4/2017			600	230	110	29			
4/5/2017	440							460	
4/6/2017							140		
7/10/2017									
7/11/2017		130	400						110
7/12/2017	490			210	100		140		
7/13/2017						20		490	
10/2/2017		150	470						56
10/3/2017	780				63	20	130		
10/4/2017				290				1100	
1/9/2018		120	440						84
1/10/2018	470				86	9.5	110		
1/11/2018				210				810	
7/9/2018		123	369						
7/10/2018	787				77.7	8.5	48.1		43
7/11/2018				177				902	
1/16/2019		129	291	244	71.2		184	422	
1/17/2019	780								45.2
1/18/2019									
1/21/2019						10.2			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWA-8 (bg)	GWC-14	GWB-4R	GWC-1	GWC-2	GWB-5R	GWC-17	GWC-15
3/25/2019		152		245					
3/26/2019	87.9		192		73.8		222	439	54
3/27/2019									
7/30/2019						12.3			
10/7/2019		156							
10/8/2019	872		428						45.8
10/9/2019				38.5	76.3	10.1	90.8	346	
4/6/2020		123							
4/7/2020	844		456	221	83		180		26.9
4/8/2020						12.9		239	
9/28/2020		93.6			71.6				
9/29/2020			93.5			8.6			
9/30/2020	736						339	193	18.5
10/1/2020				178					
3/10/2021				160	61.2		572		
3/11/2021								244	
3/12/2021		103							21.1
3/15/2021						10			
3/16/2021	821		92						
9/21/2021		96.5		232			829		
9/22/2021	1040		444			10.3		394	
9/23/2021					37.3				124
1/31/2022		89.7							
2/1/2022	1010							416	
2/2/2022			589	338		9			
2/3/2022					49.2		797		102
8/30/2022		77.4	410	379			403		
8/31/2022								721	88.5
9/1/2022	1140				44	10.3			
1/31/2023		79.3							
2/1/2023	1160						190	547	
2/2/2023			220	337	35.3	11.9			34.3
8/28/2023		62.9							
8/29/2023				551	64.7	10.5	299	444	
9/6/2023	1250		185						
9/7/2023									46.8
1/23/2024		78.2			54.4				
1/24/2024							75.2	389	49.7
1/25/2024	1130		167	744		10.9			
2/7/2024				852					
2/8/2024							80		
8/19/2024									
8/20/2024				772	54				
8/21/2024	1370	107	71.5			11.6	289	453	34.2
8/22/2024									
1/27/2025		92.8							
1/28/2025				824				391	
1/29/2025	1540		365		35.1	11	516		108
7/28/2025		87.9		593					
7/29/2025					25.9			385	
7/30/2025	1360		219			11.6	661		74

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
9/11/2007									
9/12/2007									
9/13/2007	21.6	10	253	12.6					
9/14/2007					73	94.7			
11/6/2007									
11/7/2007			267	16					
11/8/2007	23.9	11.5			76	97.7			
1/15/2008		8.36	346	10.7					
1/16/2008	22.4								
1/17/2008					66				
1/18/2008						60.3			
3/11/2008			338	9.6					
3/12/2008	22.6								
3/13/2008		7.89			99.6	98.9			
6/3/2008		7.84	312	11					
6/4/2008	27.3					84.8			
6/5/2008					66.9				
7/29/2008	27.8	7.7				86.7			
7/30/2008			286	11.1	68.6				
7/31/2008									
8/30/2016					120				
8/31/2016	84	64	1100	43			700		
9/1/2016						73		180	36
10/24/2016									
10/25/2016						26		79	16
10/26/2016		56	900	29	120		850		
10/27/2016	76								
1/3/2017									
1/4/2017		65	880				680	170	45
1/5/2017				32	130				
1/6/2017	66					23			
4/3/2017									
4/4/2017								300	46
4/5/2017			990						
4/6/2017	79	110		49	150	25	220		
7/10/2017			480						
7/11/2017		49					210	400	
7/12/2017	75			16	140				
7/13/2017						65			33
10/2/2017								390	
10/3/2017		140			140				34
10/4/2017	78		760	33		13	730		
1/9/2018					140	45			29
1/10/2018				22				99	
1/11/2018	110	270	780				180		
7/9/2018								99.2	
7/10/2018					128				33.2
7/11/2018	87.4	211	598	17.8		37.7	381		
1/16/2019				20.2	402	24.5			
1/17/2019		50.3	454						24.1
1/18/2019	56.9						107		
1/21/2019								35.5	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
3/25/2019						14.7		95.6	
3/26/2019				33.6	319				83.9
3/27/2019	76.2	76.8	579				103		
7/30/2019									
10/7/2019									
10/8/2019		310		22		32.8			85.6
10/9/2019	41.1		392		255		80.2	58.5	
4/6/2020						20.3			
4/7/2020		446	297		180		333		33.2
4/8/2020	34.2			30.7				428	
9/28/2020				25.6		20			
9/29/2020		516	237						
9/30/2020					339		65.5	956	306
10/1/2020	35								
3/10/2021	38.7	687	282		1160		101		
3/11/2021						12			
3/12/2021								933	
3/15/2021				30.6					
3/16/2021									343
9/21/2021		433	315	36.6	645	11.1	52.4		
9/22/2021	42.7							905	14.6
9/23/2021									
1/31/2022						15			
2/1/2022								862	374
2/2/2022	31.5				1460				
2/3/2022		347	333	32.1			46.2		
8/30/2022			415		978	10.6		606	451
8/31/2022		653		29			45.3		
9/1/2022	28.7								
1/31/2023						7.88			
2/1/2023	25.2	1090	527	34.5	842			596	
2/2/2023							71.6		447
8/28/2023						6.57			
8/29/2023	15.7			47.5	763		1010		
9/6/2023		827	437					460	470
9/7/2023									
1/23/2024					678	5.11	44.9		
1/24/2024	15.3	593						140	
1/25/2024			394	43.7					499
2/7/2024									
2/8/2024									
8/19/2024						2.76			
8/20/2024					734				
8/21/2024	24.1	404	602	44.4			41.8	688	
8/22/2024									291
1/27/2025									
1/28/2025		605			563	18.2	35.5		
1/29/2025	25.1		385	46.3				1250	698
7/28/2025						2.25			
7/29/2025		554			487		812	1260	
7/30/2025	22.6		388	46.6					413

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-6R	GWC-1	GWA-8 (bg)	GWB-5R	GWC-12	GWC-11	GWC-9	GWC-22	GWC-2
8/30/2016	365	225	234	224					
8/31/2016					1560	119	173	1570	39
9/1/2016									
10/24/2016			216						
10/25/2016		230							
10/26/2016	373			297	1520	108		1840	135
10/27/2016							221		
1/3/2017			333	366					
1/4/2017		349			1430	182		1560	
1/5/2017	543								99
1/6/2017							259		
4/3/2017			288						
4/4/2017		356							54
4/5/2017					1200				
4/6/2017	434			279		248	169	368	
7/10/2017					1100				
7/11/2017			188			88		383	
7/12/2017	454	357		308			163		
7/13/2017									50
10/2/2017			210						
10/3/2017	389	192		288		248			18 (J)
10/4/2017					986		168	1500	
1/9/2018	415		118						
1/10/2018		277		493					<10
1/11/2018					1020	681	190	438	
7/9/2018			235						
7/10/2018	453	349		1730					49
7/11/2018					888	440	165	876	
1/16/2019	1320	341	219	382					
1/17/2019					765	118			
1/18/2019							118	154	
1/21/2019									39
3/25/2019			240						
3/26/2019	1250	317		1040					
3/27/2019					673	138	104	158	
7/30/2019									70
10/7/2019			275						
10/8/2019						613			
10/9/2019	903	338		2010	647		128	211	46
4/6/2020			214						
4/7/2020	775	195		483	464	780		819	
4/8/2020							80		38
9/28/2020		373	175						
9/29/2020					440	1100			33
9/30/2020	816			652				113	
10/1/2020							111		
3/10/2021	2120	329		1040	566	1240	89	210	
3/11/2021									
3/12/2021			163						
3/15/2021									11
3/16/2021									
9/21/2021	985		145	1240	558	842		87	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-6R	GWC-1	GWA-8 (bg)	GWB-5R	GWC-12	GWC-11	GWC-9	GWC-22	GWC-2
9/22/2021							94		33
9/23/2021		360							
1/31/2022			153						
2/1/2022									
2/2/2022	2440						96		43
2/3/2022		315		1240	566	538		89	
8/30/2022	1810		154	886	713				
8/31/2022						1240		163	
9/1/2022		228					85		9 (J)
1/31/2023			122						
2/1/2023	1570			1240	694	2010	59		
2/2/2023		166						113	<10
8/28/2023			138						
8/29/2023	1320	272		644			70	2300	9 (J)
9/6/2023					686	1330			
9/7/2023									
1/23/2024	1310	263	158					88	
1/24/2024				2650		1170	86		
1/25/2024					733				17
2/7/2024									
2/8/2024				2530					
8/19/2024									
8/20/2024	1190	217							
8/21/2024			165	1160	817	510	90	81	25
8/22/2024									
1/27/2025			177						
1/28/2025	1240					1080		64	
1/29/2025		280		1100	626		76		9 (J)
7/28/2025			179						
7/29/2025	1110	327				977		1910	
7/30/2025				1110	638		90		20

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-20	GWC-17	GWC-21	GWC-14	GWB-4R	GWC-16	GWC-15	GWA-7 (bg)
8/30/2016									
8/31/2016	77								
9/1/2016		470	1270	184	1170	1080	878	539	3660 (o)
10/24/2016									
10/25/2016		289		<10	633		585	449	3560 (o)
10/26/2016	<10		1320			1050			
10/27/2016									
1/3/2017									
1/4/2017		639		242			783		
1/5/2017	146		1770		781			565	
1/6/2017						1060			3490 (o)
4/3/2017								632	
4/4/2017		660		187	916	994			
4/5/2017			1600				722		
4/6/2017	23 (J)								3170 (o)
7/10/2017									
7/11/2017		836			675			569	
7/12/2017	39					1070	962		
7/13/2017			1940	86					2280
10/2/2017		698			689			559	
10/3/2017				66			1240		
10/4/2017	38		2370			1100			3350 (o)
1/9/2018				167	653			520	2640
1/10/2018	<10	322					935		
1/11/2018			2350			838			
7/9/2018		461			659				
7/10/2018				180			1040	524	
7/11/2018	63		2260			799			2200
1/16/2019	44		1540		656	530			2100
1/17/2019				178			1320	518	
1/18/2019									
1/21/2019		307							
3/25/2019		449				479			2100
3/26/2019	72		1220	292	496		1380	541	
3/27/2019									
7/30/2019									
10/7/2019									
10/8/2019	51			278	841		1500	526	1840
10/9/2019		434	1100			502			
4/6/2020									1670
4/7/2020				106	843	482	1500	428	
4/8/2020	65	986	881						
9/28/2020	60								1450
9/29/2020					187				
9/30/2020		1860	752	634			1140	434	
10/1/2020						424			
3/10/2021						434			
3/11/2021			705						1220
3/12/2021		1730						353	
3/15/2021	<10								
3/16/2021				454	137		980		
9/21/2021	83					476			1210

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 9/30/2025 5:20 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-20	GWC-17	GWC-21	GWC-14	GWB-4R	GWC-16	GWC-15	GWA-7 (bg)
9/22/2021		1430	1530	51	864		1680		
9/23/2021								556	
1/31/2022									1260
2/1/2022		1580	1580	783			1990		
2/2/2022					1130	654			
2/3/2022	72							516	
8/30/2022		1210		807	720	882			1340
8/31/2022	55		2050					530	
9/1/2022							1720		
1/31/2023									1230
2/1/2023	37	2290	1470				2010		
2/2/2023				775	566	1180		440	
8/28/2023									1450
8/29/2023	62		1270			1290			
9/6/2023		924		826	594		1980		
9/7/2023								471	
1/23/2024									1580
1/24/2024		597	1400					497	
1/25/2024	75			921	446	2010	1860		
2/7/2024						2360			
2/8/2024									
8/19/2024									1540
8/20/2024						1970			
8/21/2024	77	1210	1120		239		2100	464	
8/22/2024				517					
1/27/2025									
1/28/2025			1350			1740			1730
1/29/2025	66	2110		1210	851		2470	576	
7/28/2025						2130			1860
7/29/2025		2100	1330						
7/30/2025	114			735	722		2100	544	

FIGURE H.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:26 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	GWA-7 (bg)	-0.09818	-184	-139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWB-4R	11.34	210	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWB-6R	3.991	281	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-1	1.647	204	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-11	8.066	289	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-15	1.924	183	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-16	14.98	310	139	Yes	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-20	17.91	113	98	Yes	23	0	n/a	0.01	NP
Calcium (mg/L)	GWC-21	16.29	140	98	Yes	23	0	n/a	0.01	NP
Calcium (mg/L)	GWC-22	-5.554	-130	-98	Yes	23	0	n/a	0.01	NP
pH, Field (SU)	GWA-8 (bg)	0.03556	147	111	Yes	25	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-7 (bg)	-4.811	-310	-139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-8 (bg)	-3.845	-199	-139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-4R	22.4	224	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-6R	41.54	282	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-11	42.3	282	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-16	76.49	326	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-17	20.8	145	139	Yes	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	81.8	103	98	Yes	23	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-21	60.21	140	98	Yes	23	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-22	-27.45	-137	-98	Yes	23	0	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

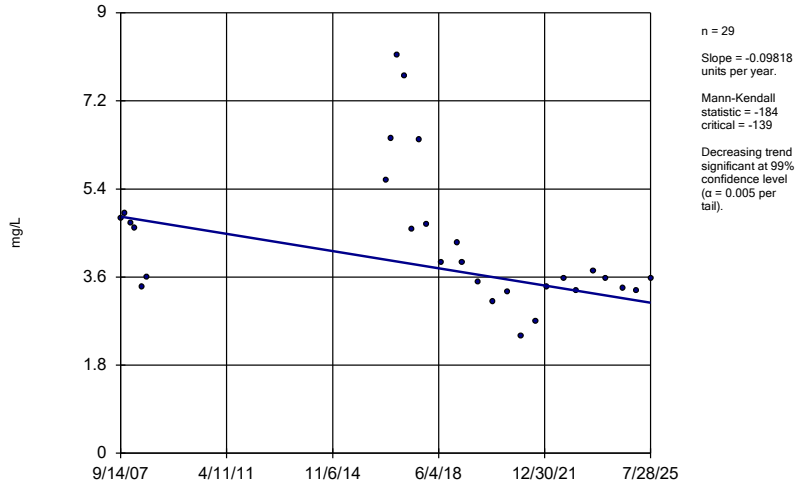
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 9/30/2025, 5:26 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09818**	**-184**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-8 (bg)	0.0365	14	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-4R**	**11.34**	**210**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWB-5R	2.006	87	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-6R**	**3.991**	**281**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-1**	**1.647**	**204**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-11**	**8.066**	**289**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-12	0.954	53	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	GWC-14	5.812	136	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-15**	**1.924**	**183**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-16**	**14.98**	**310**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-17	3.488	113	139	No	29	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-20**	**17.91**	**113**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-21**	**16.29**	**140**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-22**	**-5.554**	**-130**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-7 (bg)	-3.169	-55	-139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWA-8 (bg)	-0.2017	-85	-139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWC-17	15.69	58	139	No	29	0	n/a	0.01	NP
Chloride (mg/L)	GWC-22	-9.192	-85	-98	No	23	0	n/a	0.01	NP
pH, Field (SU)	GWA-7 (bg)	-0.006358	-9	-111	No	25	0	n/a	0.01	NP
pH, Field (SU)	**GWA-8 (bg)**	**0.03556**	**147**	**111**	**Yes**	**25**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWC-15	0.03357	107	111	No	25	0	n/a	0.01	NP
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.811**	**-310**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.845**	**-199**	**-139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWB-4R**	**22.4**	**224**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWB-5R	9.001	39	146	No	30	0	n/a	0.01	NP
Sulfate (mg/L)	**GWB-6R**	**41.54**	**282**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-11**	**42.3**	**282**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWC-12	-1.075	-8	-139	No	29	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-14	-0.4074	-2	-139	No	29	0	n/a	0.01	NP
Sulfate (mg/L)	**GWC-16**	**76.49**	**326**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-17**	**20.8**	**145**	**139**	**Yes**	**29**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-20**	**81.8**	**103**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-21**	**60.21**	**140**	**98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-22**	**-27.45**	**-137**	**-98**	**Yes**	**23**	**0**	**n/a**	**0.01**	**NP**

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Sen's Slope Estimator

GWA-7 (bg)



n = 29

Slope = -0.09818 units per year.

Mann-Kendall statistic = -184 critical = -139

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

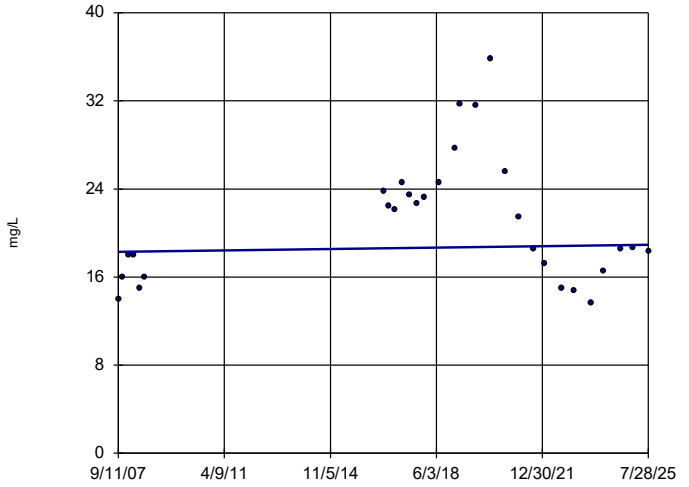
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 29

Slope = 0.0365 units per year.

Mann-Kendall statistic = 14 critical = 139

Trend not significant at 99% confidence level (α = 0.005 per tail).

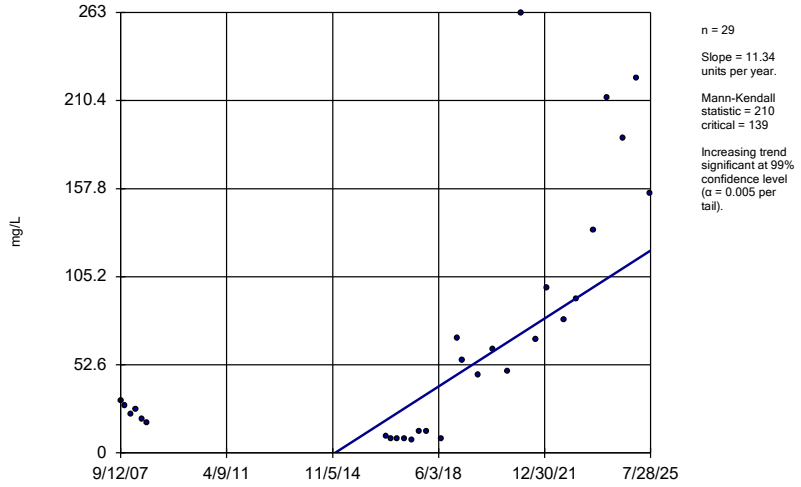
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-4R



n = 29

Slope = 11.34 units per year.

Mann-Kendall statistic = 210 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

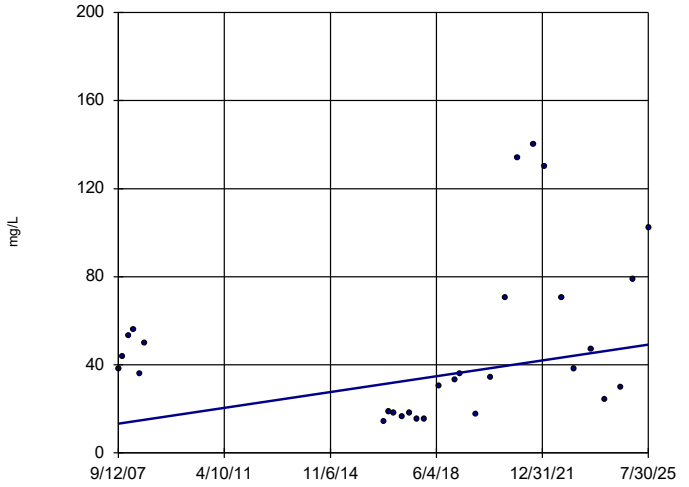
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-5R



n = 29

Slope = 2.006 units per year.

Mann-Kendall statistic = 87 critical = 139

Trend not significant at 99% confidence level (α = 0.005 per tail).

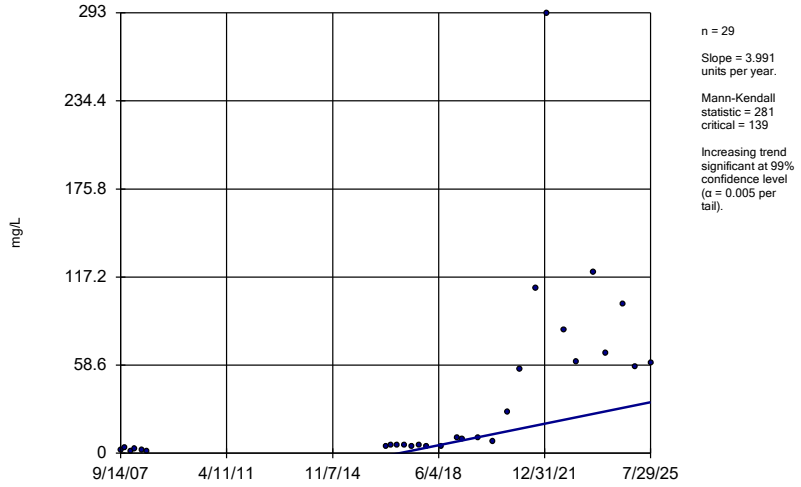
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-6R



n = 29

Slope = 3.991 units per year.

Mann-Kendall statistic = 281 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

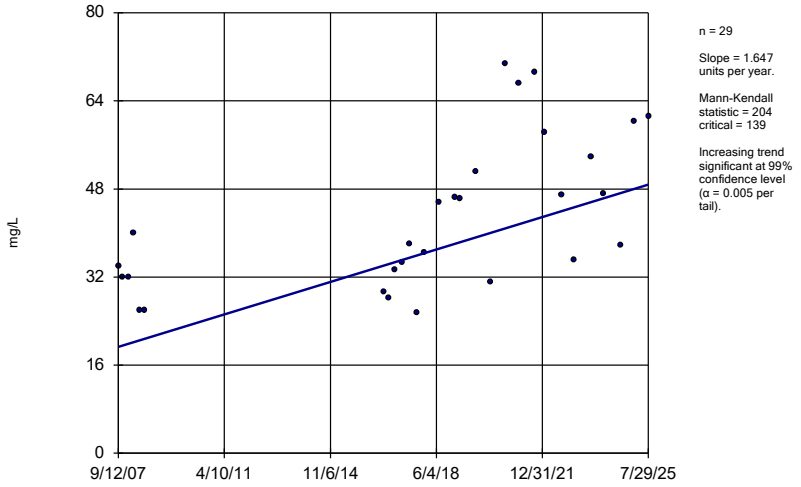
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-1



n = 29

Slope = 1.647 units per year.

Mann-Kendall statistic = 204 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

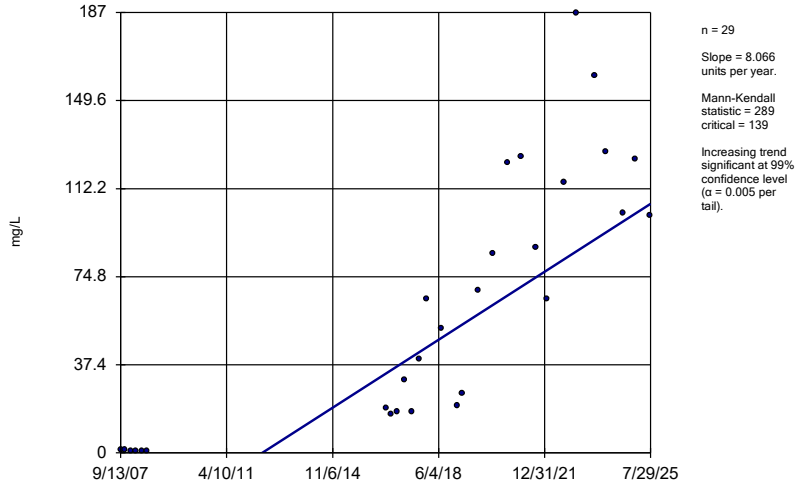
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-11



n = 29

Slope = 8.066 units per year.

Mann-Kendall statistic = 289 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

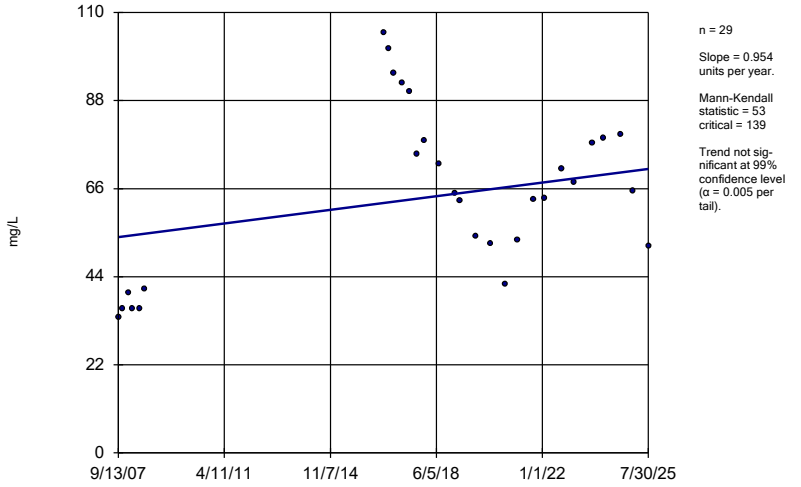
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-12



n = 29

Slope = 0.954 units per year.

Mann-Kendall statistic = 53 critical = 139

Trend not significant at 99% confidence level (α = 0.005 per tail).

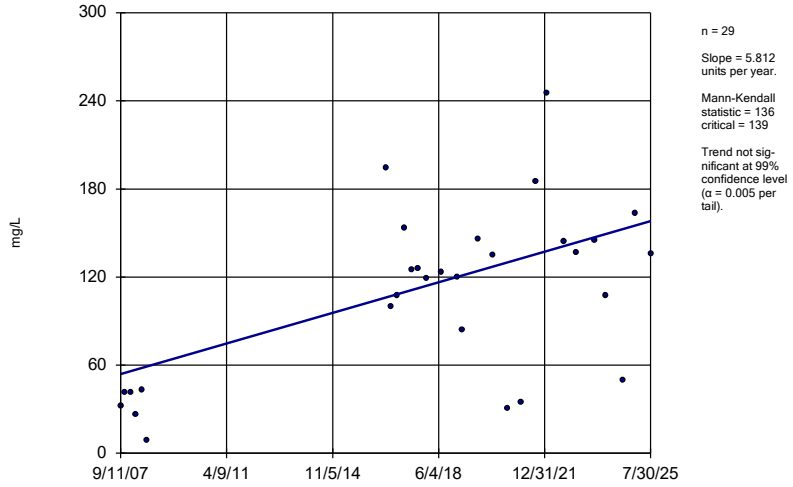
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-14



n = 29

Slope = 5.812 units per year.

Mann-Kendall statistic = 136 critical = 139

Trend not significant at 99% confidence level (α = 0.005 per tail).

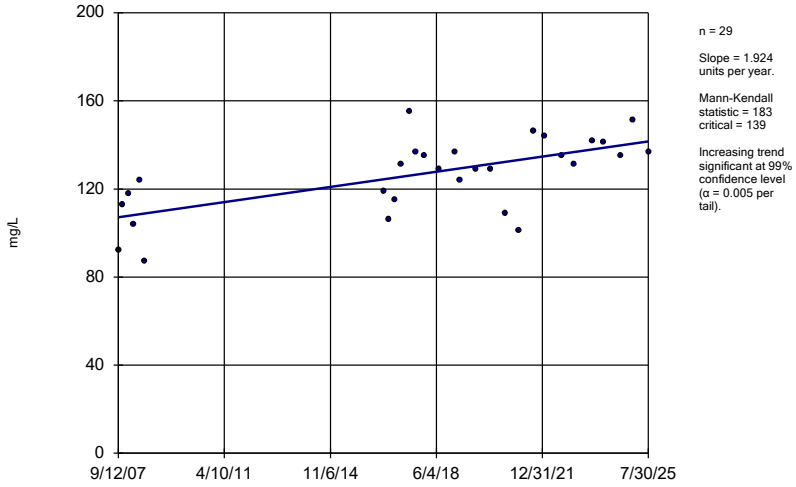
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 29

Slope = 1.924 units per year.

Mann-Kendall statistic = 183 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

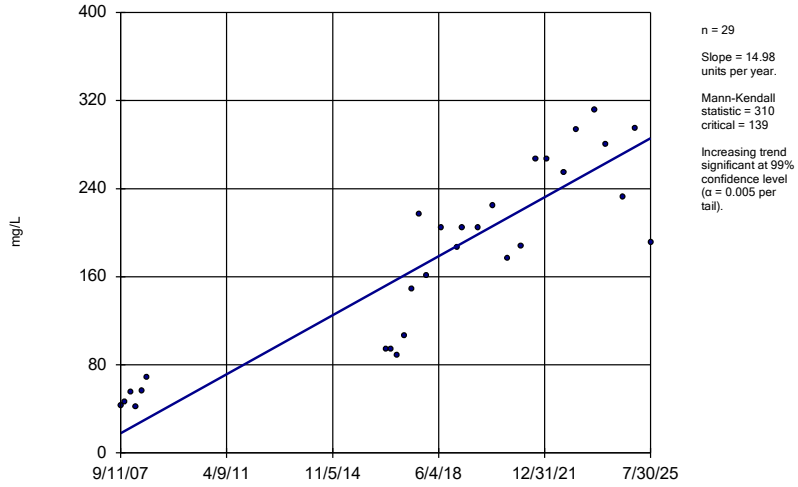
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-16



n = 29

Slope = 14.98 units per year.

Mann-Kendall statistic = 310 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

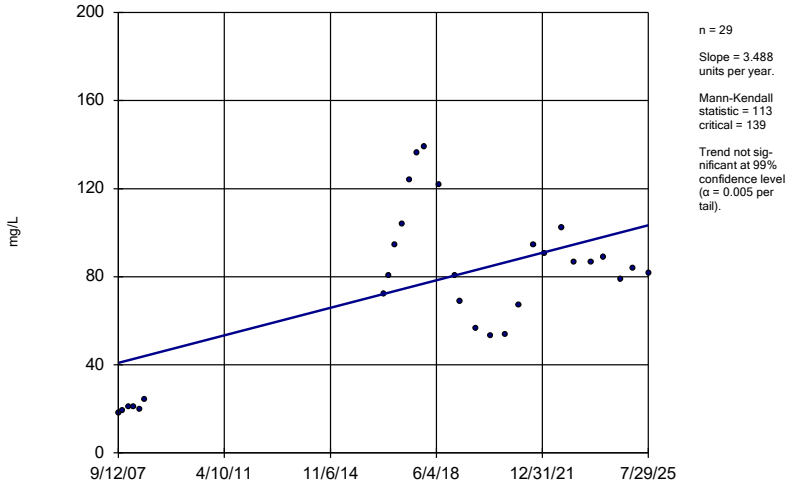
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-17



n = 29

Slope = 3.488 units per year.

Mann-Kendall statistic = 113 critical = 139

Trend not significant at 99% confidence level (α = 0.005 per tail).

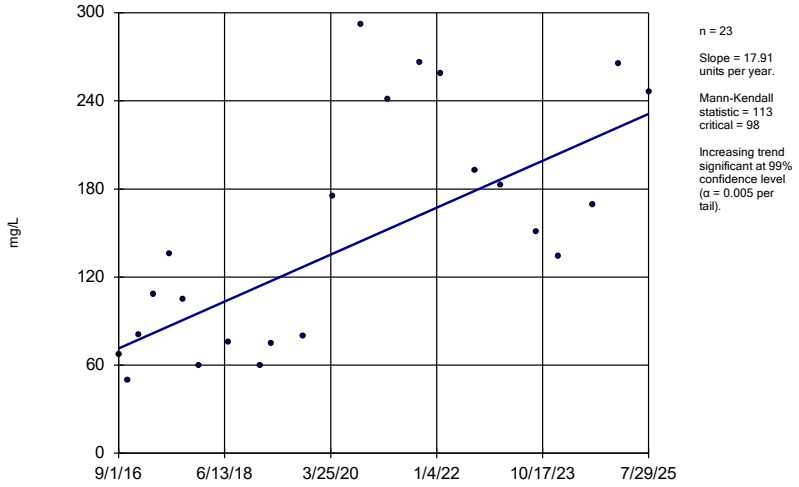
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 23

Slope = 17.91 units per year.

Mann-Kendall statistic = 113 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

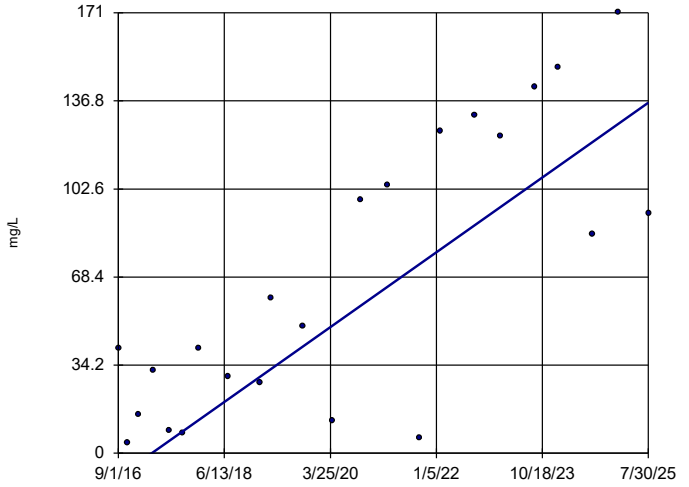
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-21



n = 23

Slope = 16.29 units per year.

Mann-Kendall statistic = 140 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

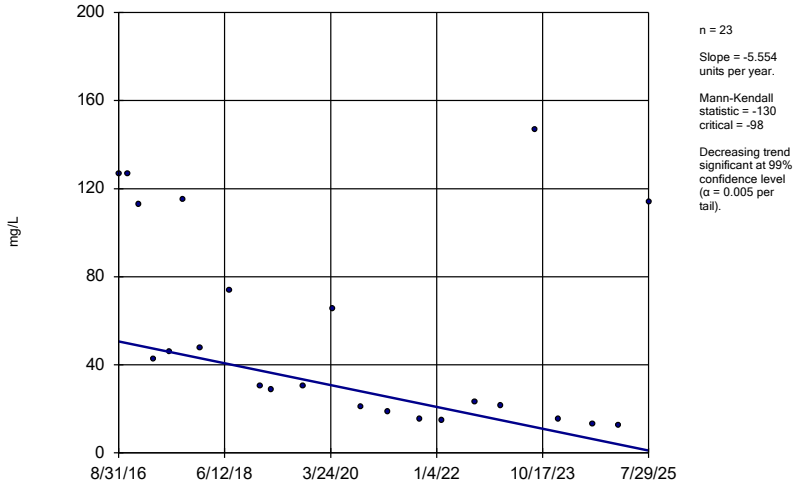
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-22



n = 23

Slope = -5.554 units per year.

Mann-Kendall statistic = -130 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

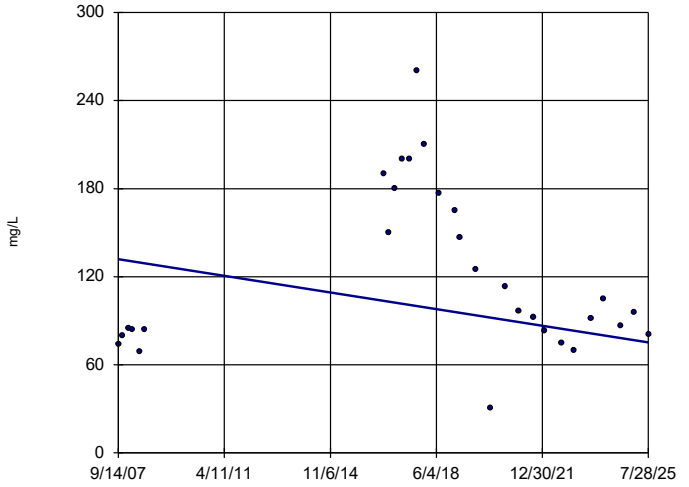
Constituent: Calcium Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 29

Slope = -3.169 units per year.

Mann-Kendall statistic = -55 critical = -139

Trend not significant at 99% confidence level (α = 0.005 per tail).

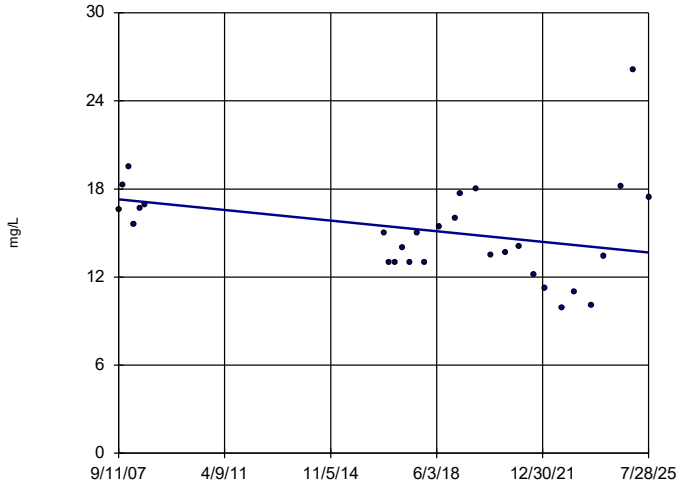
Constituent: Chloride Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 29

Slope = -0.2017 units per year.

Mann-Kendall statistic = -85
critical = -139

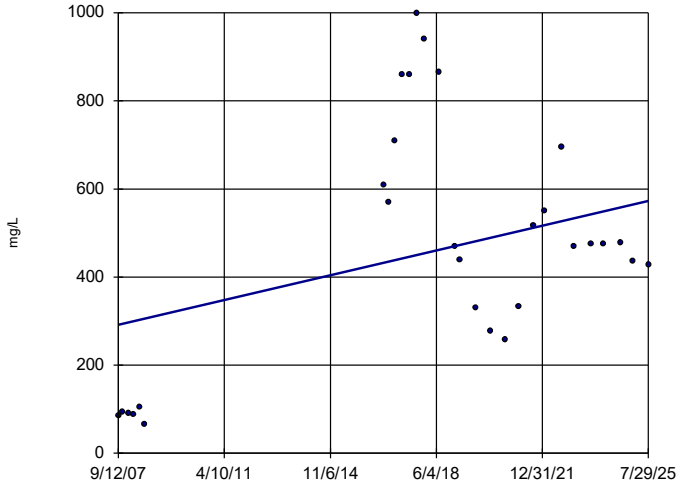
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-17



n = 29

Slope = 15.69 units per year.

Mann-Kendall statistic = 58
critical = 139

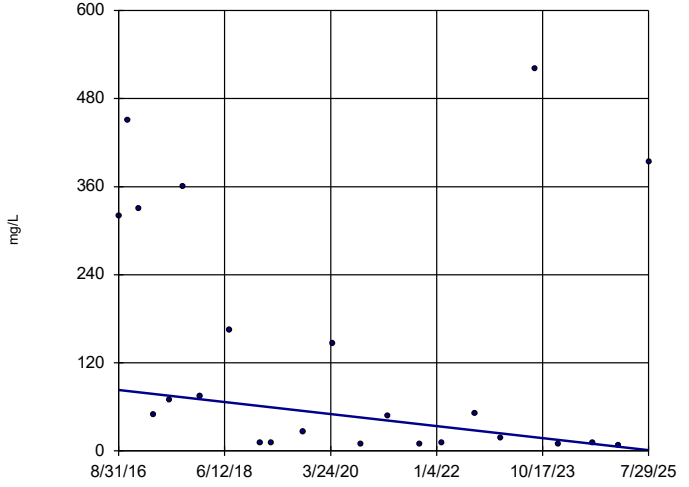
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-22



n = 23

Slope = -9.192 units per year.

Mann-Kendall statistic = -85
critical = -98

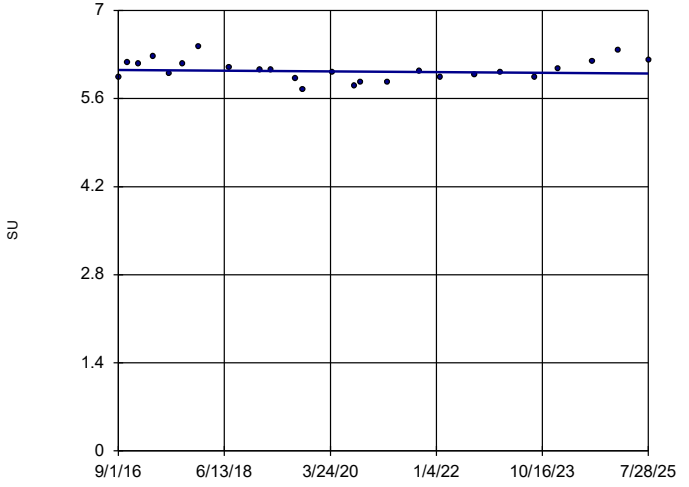
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 25

Slope = -0.006358 units per year.

Mann-Kendall statistic = -9
critical = -111

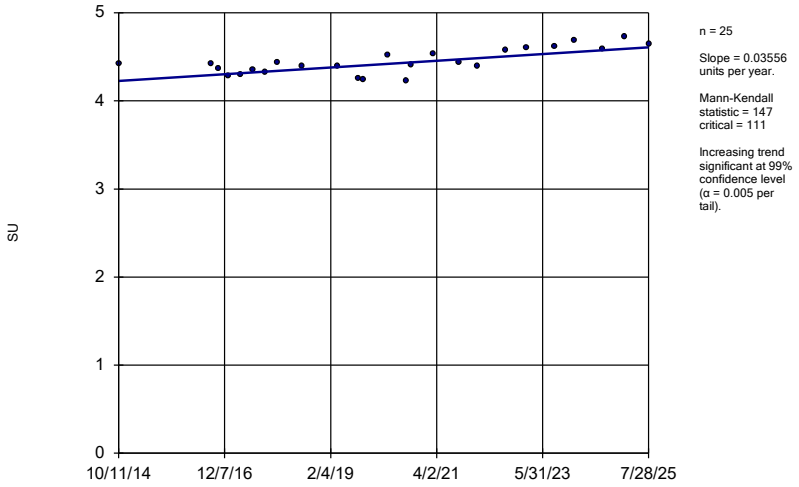
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 25

Slope = 0.03556 units per year.

Mann-Kendall statistic = 147 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

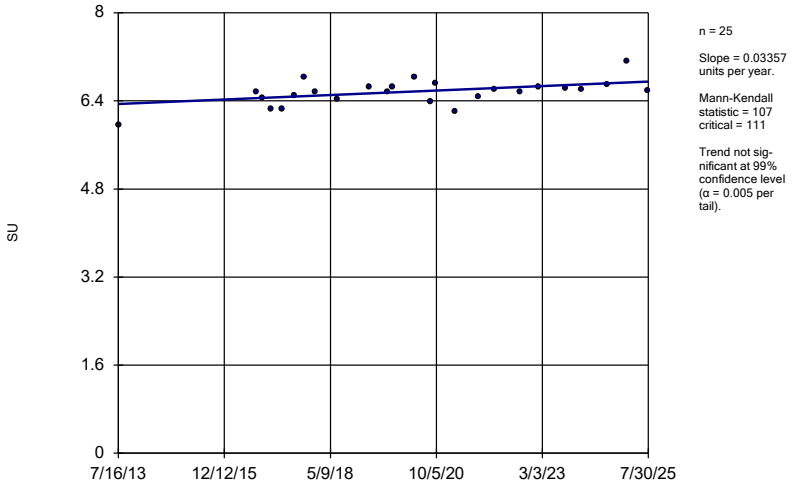
Constituent: pH, Field Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 25

Slope = 0.03357 units per year.

Mann-Kendall statistic = 107 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

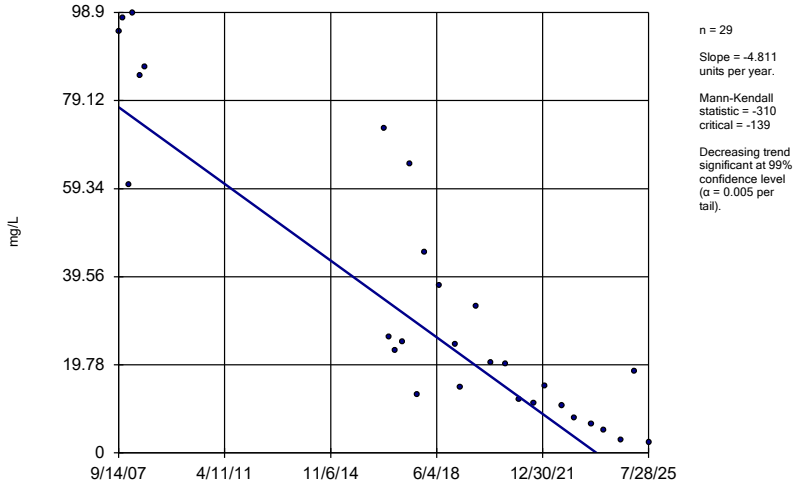
Constituent: pH, Field Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 29

Slope = -4.811 units per year.

Mann-Kendall statistic = -310 critical = -139

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

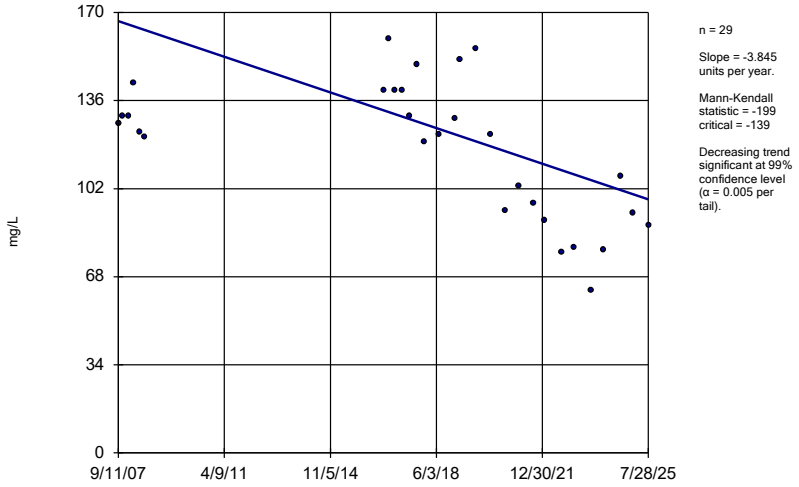
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 29

Slope = -3.845 units per year.

Mann-Kendall statistic = -199 critical = -139

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

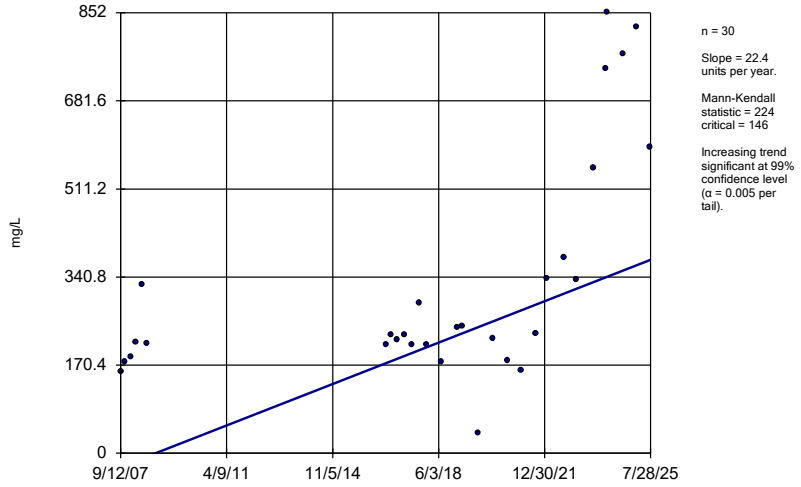
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-4R



n = 30

Slope = 22.4 units per year.

Mann-Kendall statistic = 224 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

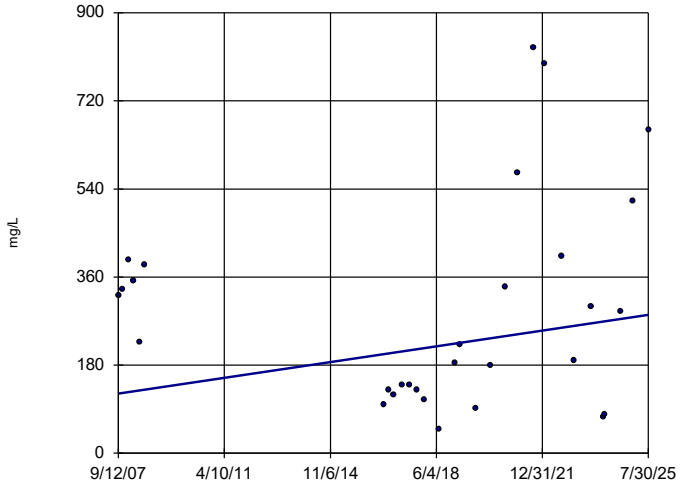
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-5R



n = 30

Slope = 9.001 units per year.

Mann-Kendall statistic = 39 critical = 146

Trend not significant at 99% confidence level (α = 0.005 per tail).

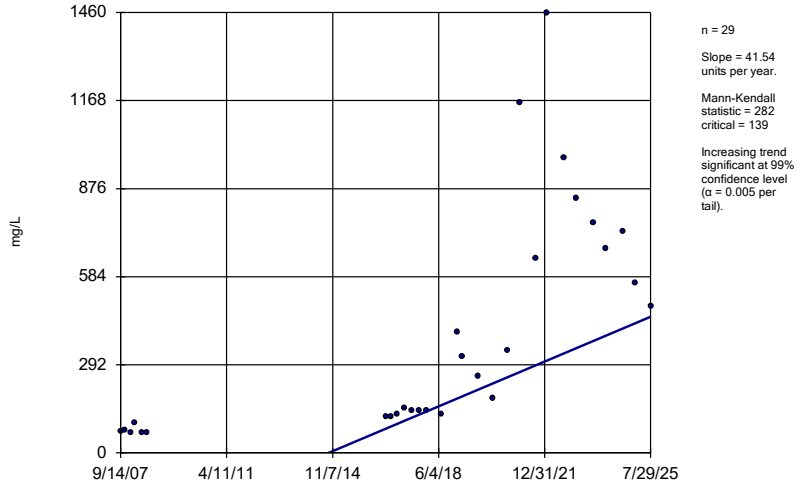
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-6R



n = 29

Slope = 41.54 units per year.

Mann-Kendall statistic = 282 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

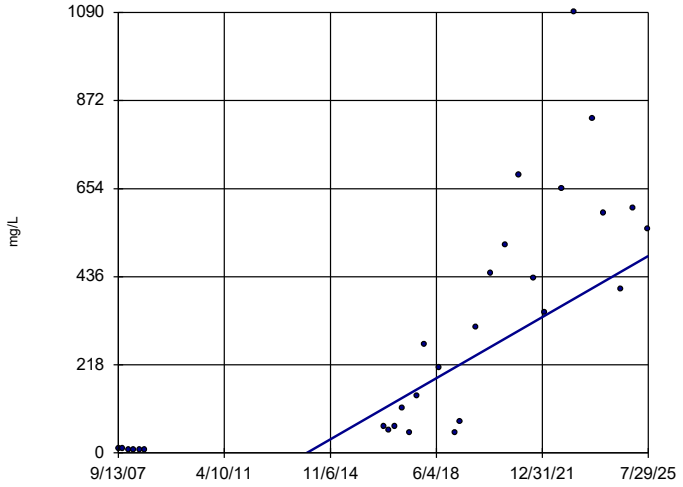
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-11



n = 29

Slope = 42.3 units per year.

Mann-Kendall statistic = 282 critical = 139

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

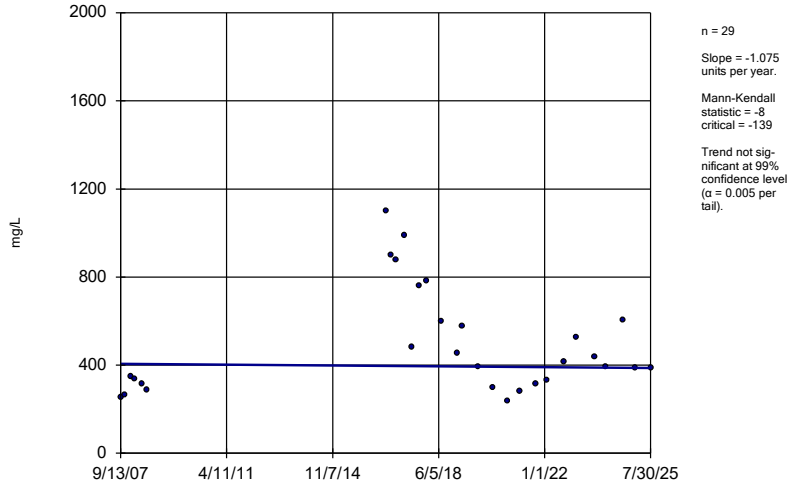
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-12



n = 29

Slope = -1.075 units per year.

Mann-Kendall statistic = -8
critical = -139

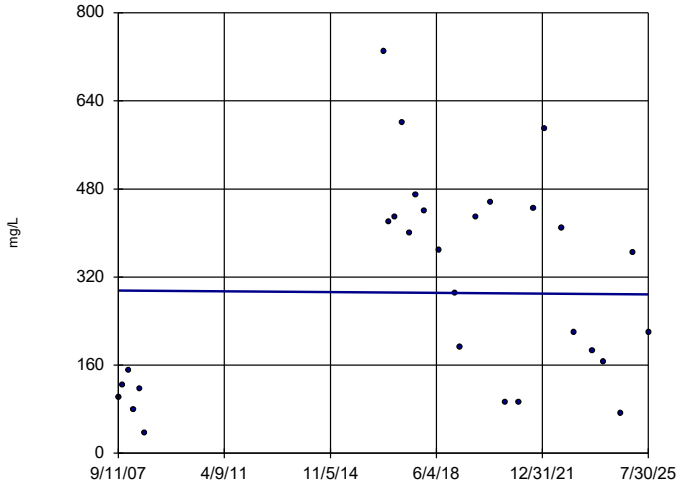
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-14



n = 29

Slope = -0.4074 units per year.

Mann-Kendall statistic = -2
critical = -139

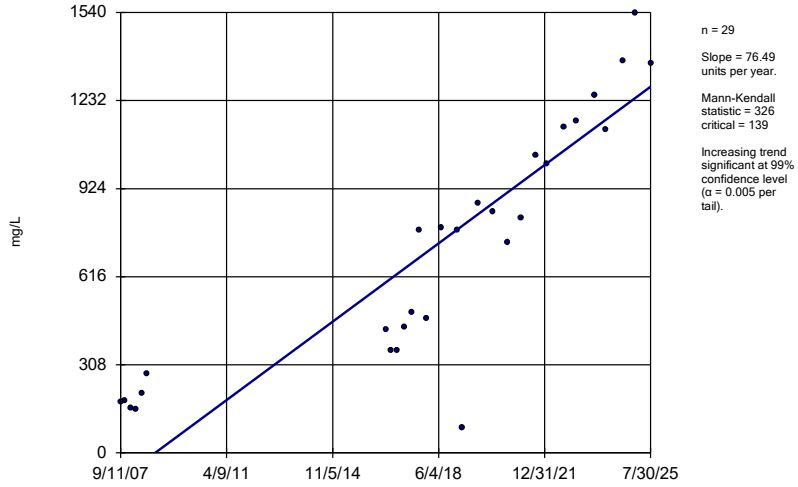
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-16



n = 29

Slope = 76.49 units per year.

Mann-Kendall statistic = 326
critical = 139

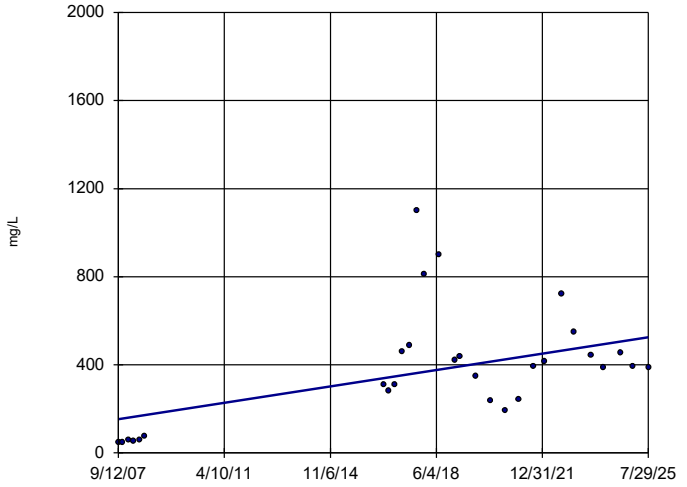
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-17



n = 29

Slope = 20.8 units per year.

Mann-Kendall statistic = 145
critical = 139

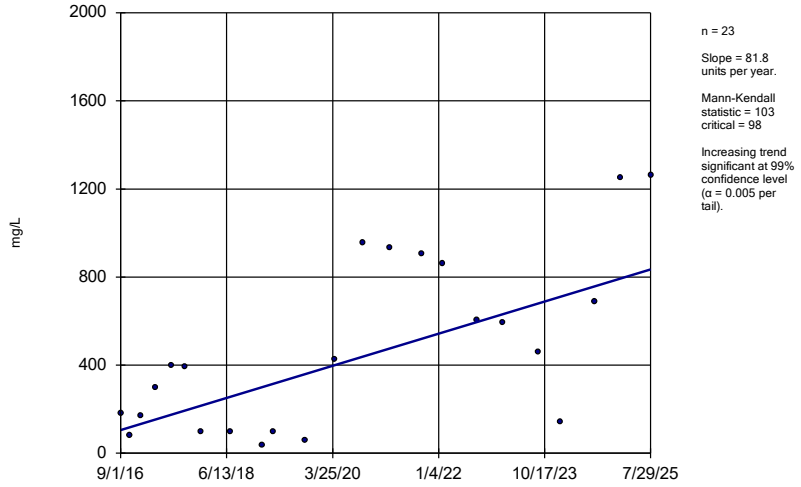
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 23

Slope = 81.8 units per year.

Mann-Kendall statistic = 103 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

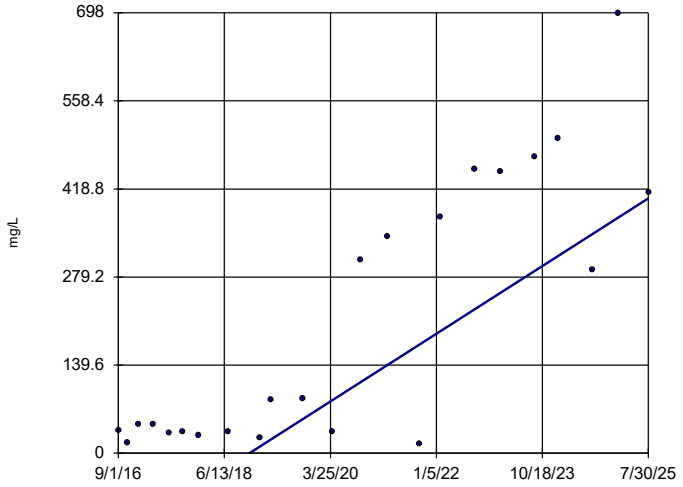
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-21



n = 23

Slope = 60.21 units per year.

Mann-Kendall statistic = 140 critical = 98

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

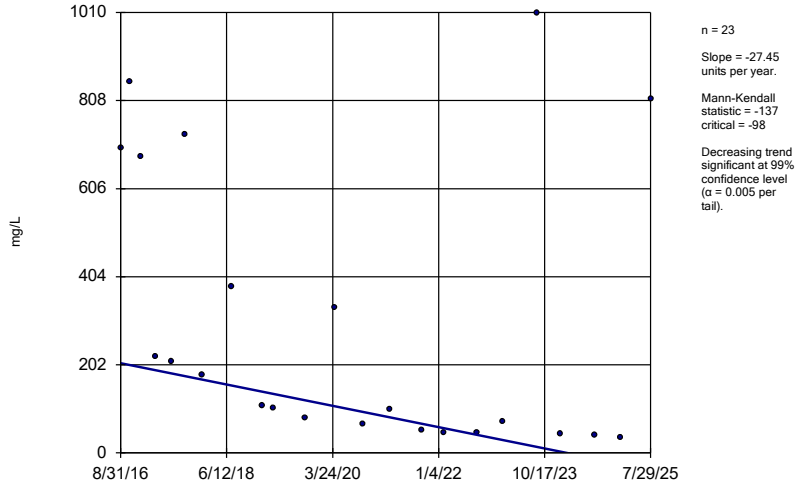
Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-22



n = 23

Slope = -27.45 units per year.

Mann-Kendall statistic = -137 critical = -98

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 9/30/2025 5:23 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE I.

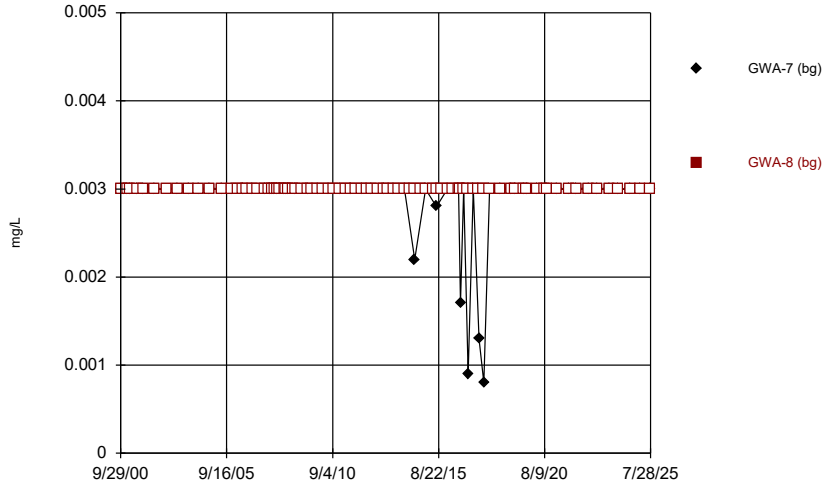
Upper Tolerance Limits Summary Table

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:22 AM

Constituent	Upper Lim.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.003	n/a	149	n/a	n/a	95.97	n/a	n/a	0.0004795	NP Inter(NDs)
Arsenic (mg/L)	0.0287	n/a	149	n/a	n/a	75.17	n/a	n/a	0.0004795	NP Inter(NDs)
Barium (mg/L)	0.236	n/a	147	n/a	n/a	0	n/a	n/a	0.0005313	NP Inter(normality)
Beryllium (mg/L)	0.0017	n/a	71	n/a	n/a	64.79	n/a	n/a	0.0262	NP Inter(NDs)
Cadmium (mg/L)	0.001	n/a	69	n/a	n/a	97.1	n/a	n/a	0.02904	NP Inter(NDs)
Chromium (mg/L)	0.068	n/a	148	n/a	n/a	60.14	n/a	n/a	0.0005048	NP Inter(NDs)
Cobalt (mg/L)	0.0102	n/a	70	n/a	n/a	52.86	n/a	n/a	0.02758	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	10.85	n/a	43	1.518	0.3305	0	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.49	n/a	50	n/a	n/a	20	n/a	n/a	0.07694	NP Inter(normality)
Lead (mg/L)	0.013	n/a	145	n/a	n/a	73.79	n/a	n/a	0.0005887	NP Inter(NDs)
Lithium (mg/L)	0.01	n/a	46	n/a	n/a	80.43	n/a	n/a	0.09447	NP Inter(NDs)
Mercury (mg/L)	0.0002	n/a	40	n/a	n/a	87.5	n/a	n/a	0.1285	NP Inter(NDs)
Molybdenum (mg/L)	0.0098	n/a	46	n/a	n/a	78.26	n/a	n/a	0.09447	NP Inter(NDs)
Selenium (mg/L)	0.0438	n/a	149	n/a	n/a	81.88	n/a	n/a	0.0004795	NP Inter(NDs)
Thallium (mg/L)	0.002	n/a	80	n/a	n/a	95	n/a	n/a	0.01652	NP Inter(NDs)
Vanadium (mg/L)	0.24	n/a	137	n/a	n/a	59.12	n/a	n/a	0.0008874	NP Inter(NDs)
Zinc (mg/L)	0.16	n/a	141	n/a	n/a	27.66	n/a	n/a	0.0007228	NP Inter(normality)

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Hollow symbols indicate censored values.

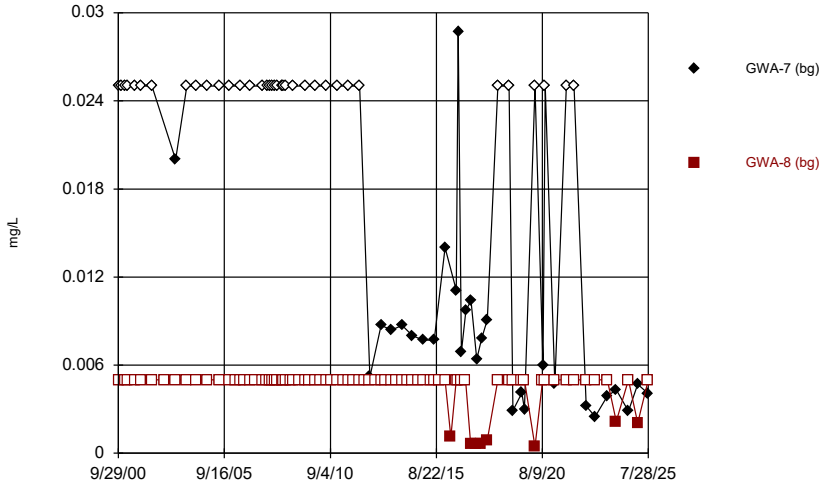
Time Series



Constituent: Antimony Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

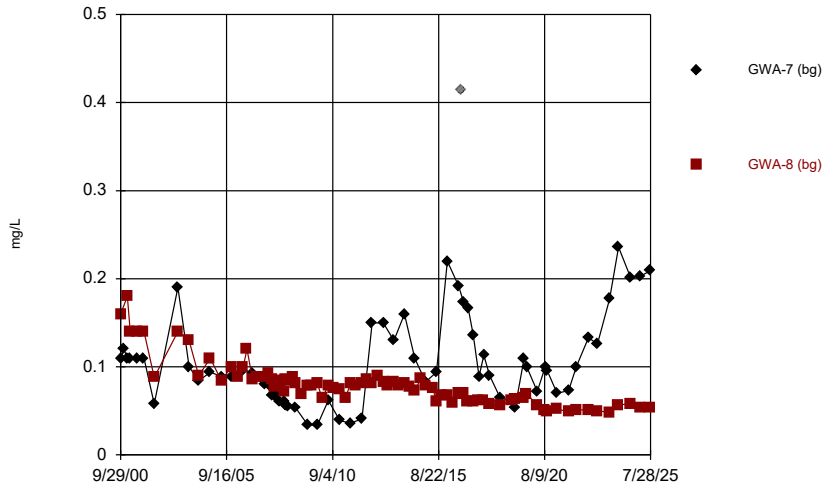
Time Series



Constituent: Arsenic Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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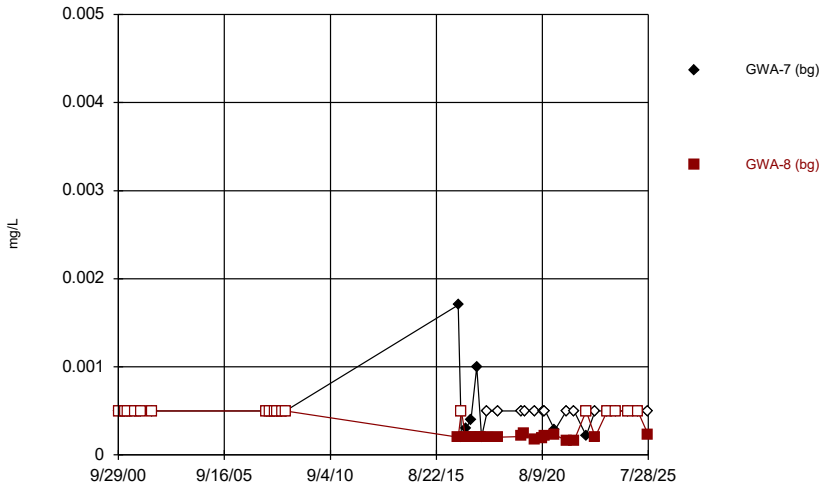
Time Series



Constituent: Barium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

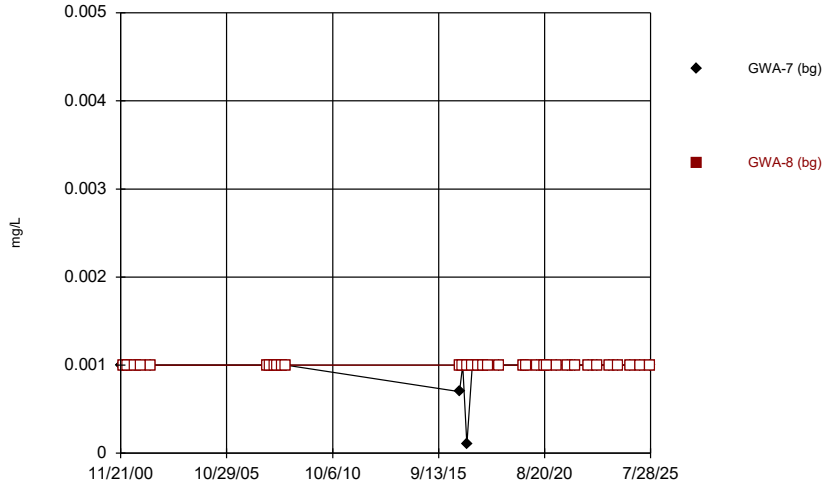
Time Series



Constituent: Beryllium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

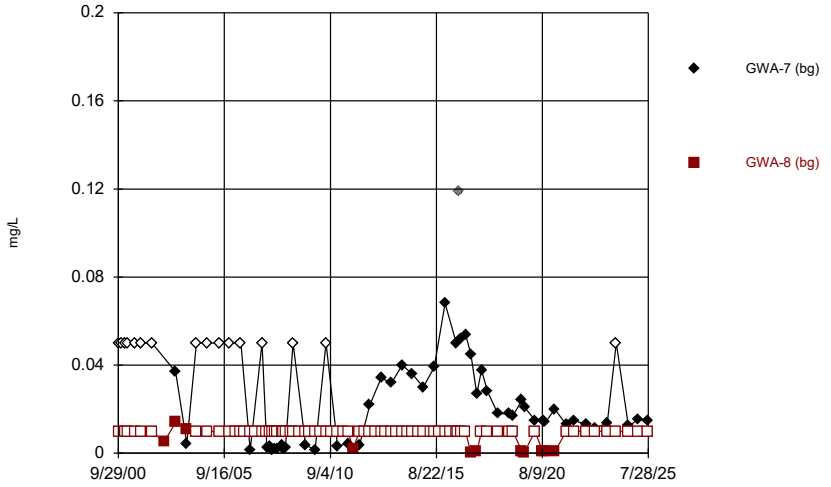
Time Series



Constituent: Cadmium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

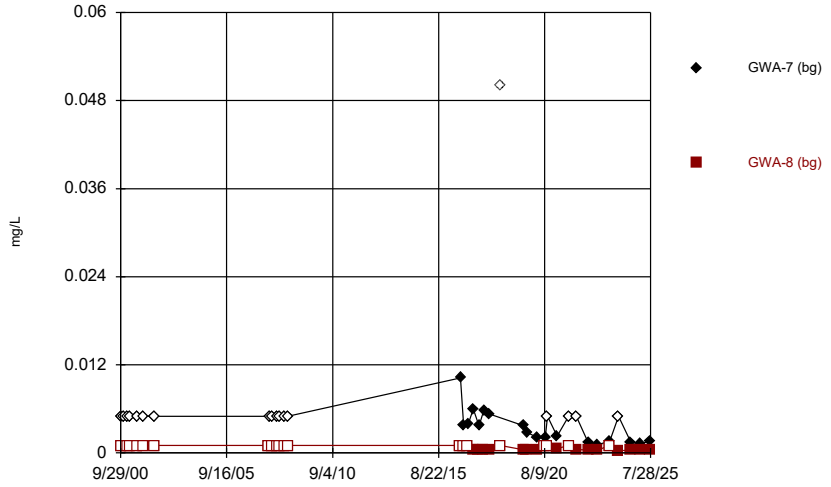
Time Series



Constituent: Chromium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

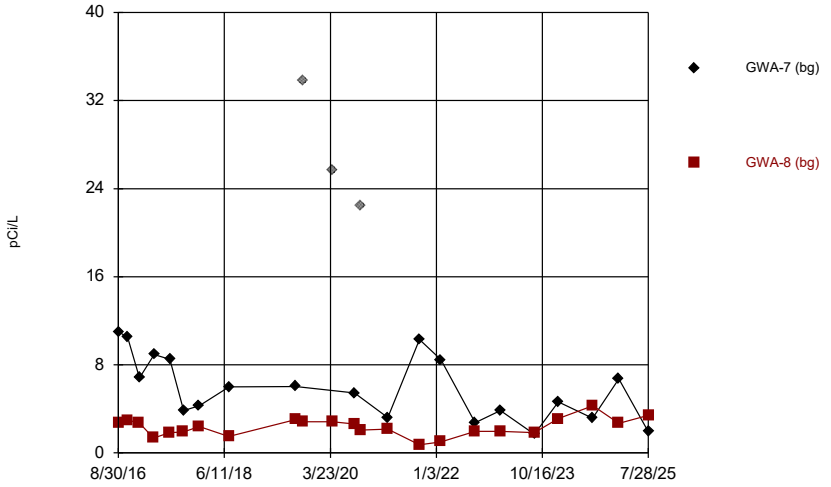
Time Series



Constituent: Cobalt Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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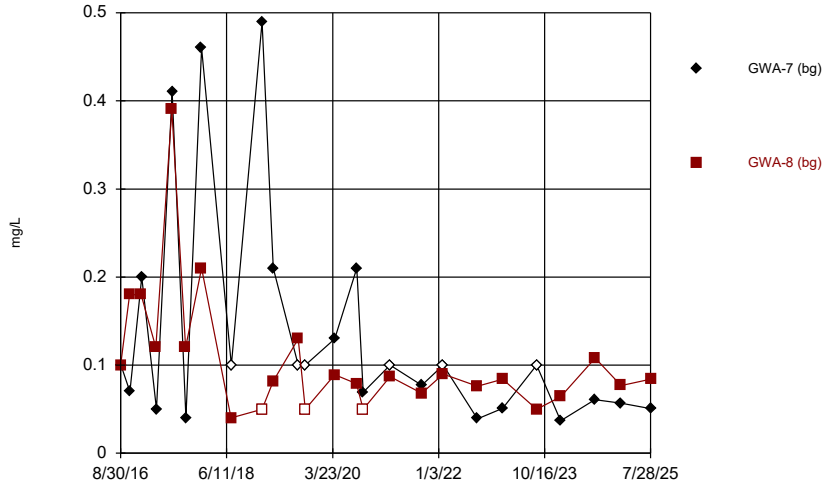
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

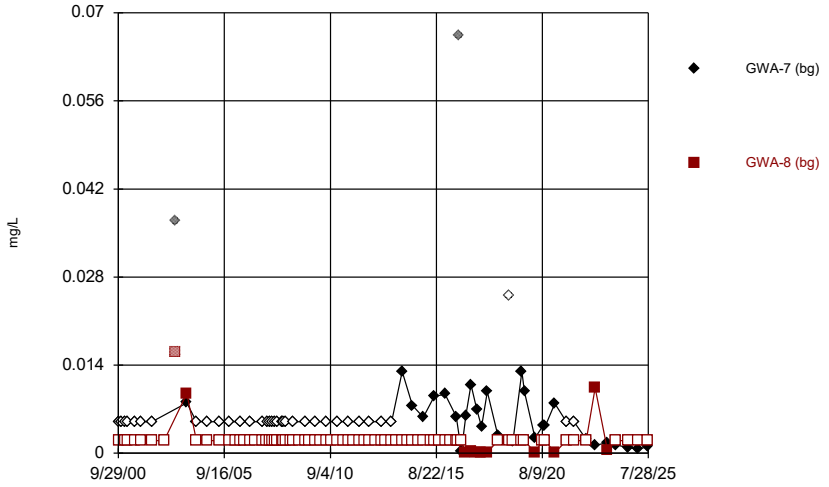
Time Series



Constituent: Fluoride Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

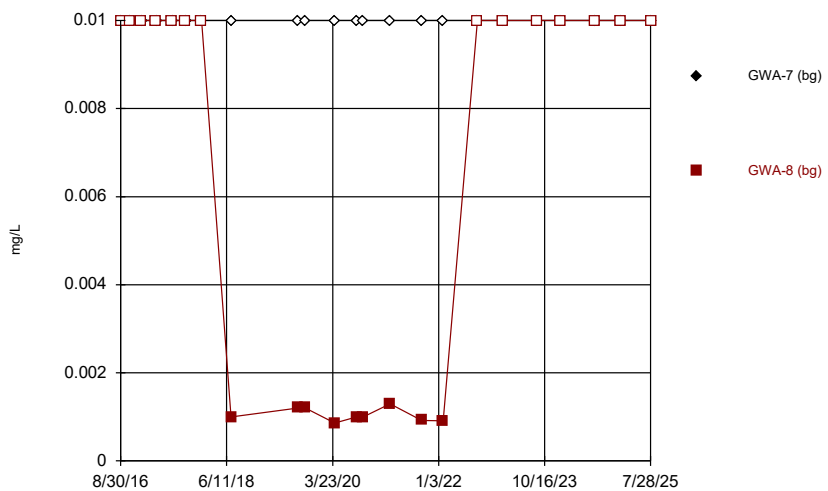
Time Series



Constituent: Lead Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

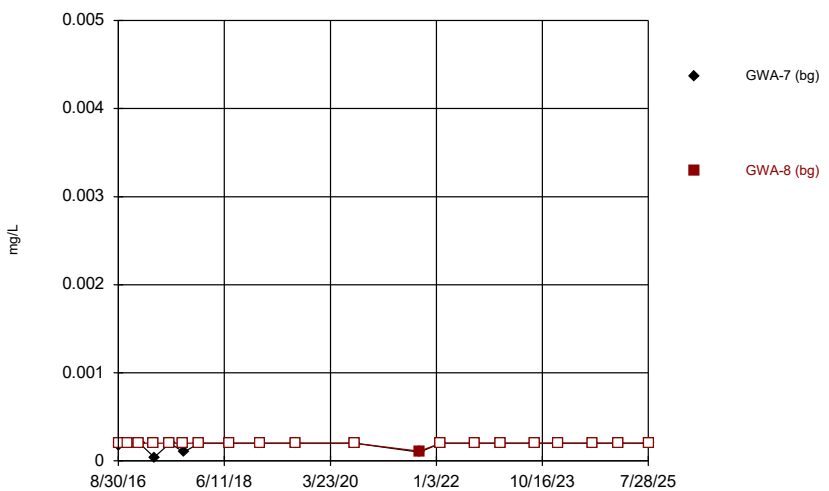
Time Series



Constituent: Lithium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

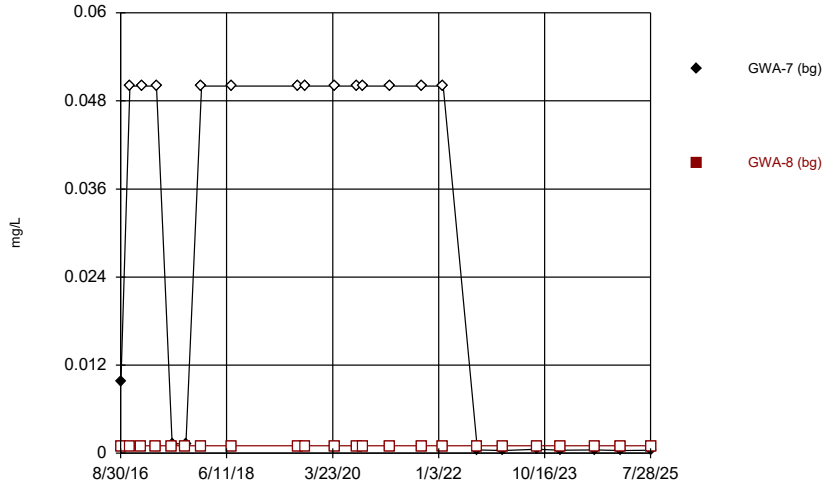
Time Series



Constituent: Mercury Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

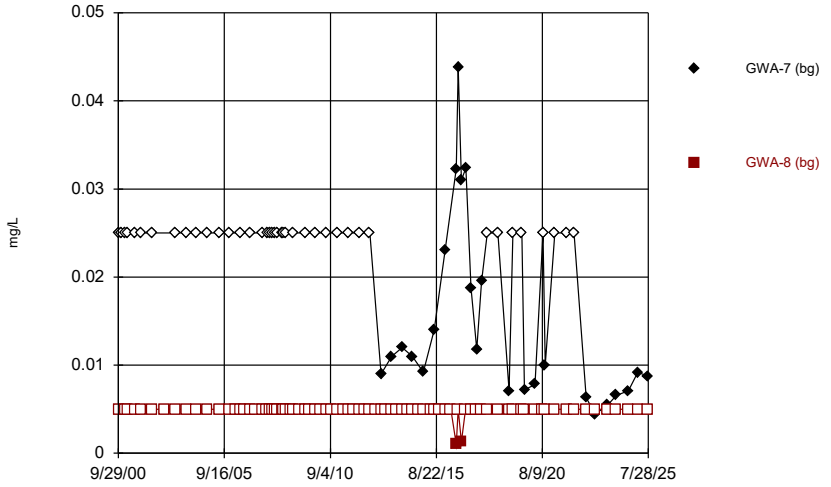
Time Series



Constituent: Molybdenum Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

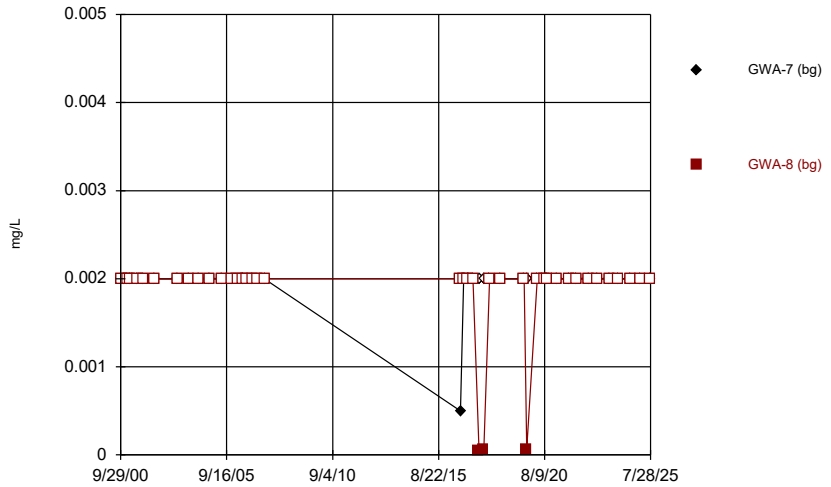
Time Series



Constituent: Selenium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

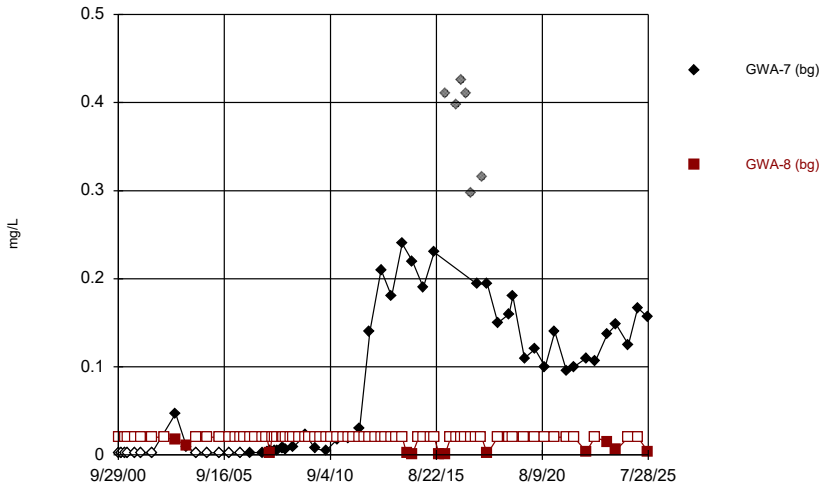
Time Series



Constituent: Thallium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

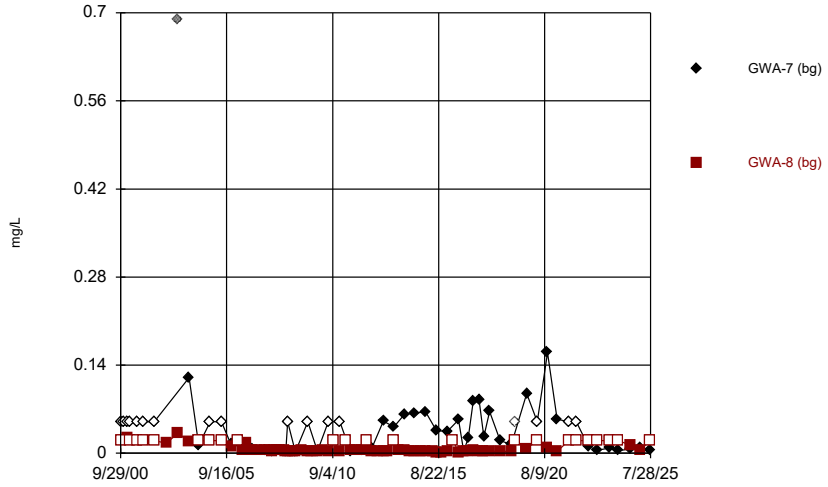
Time Series



Constituent: Vanadium Analysis Run 10/1/2025 11:16 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Time Series



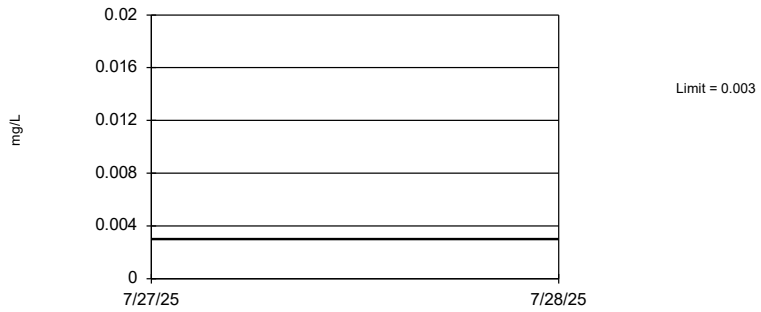
Constituent: Zinc Analysis Run 10/1/2025 11:16 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 149 background values. 95.97% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

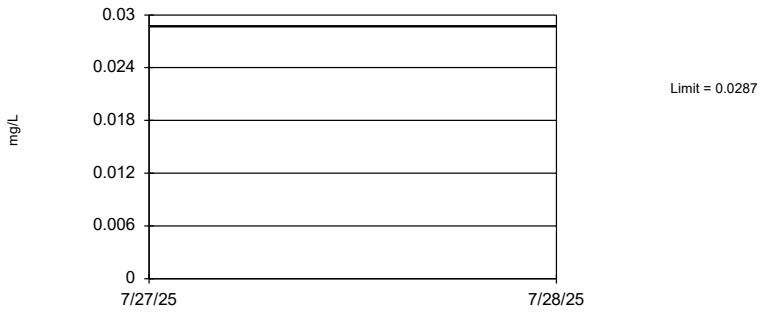
Constituent: Antimony Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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 149 background values. 75.17% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

Constituent: Arsenic Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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 147 background values. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005313.

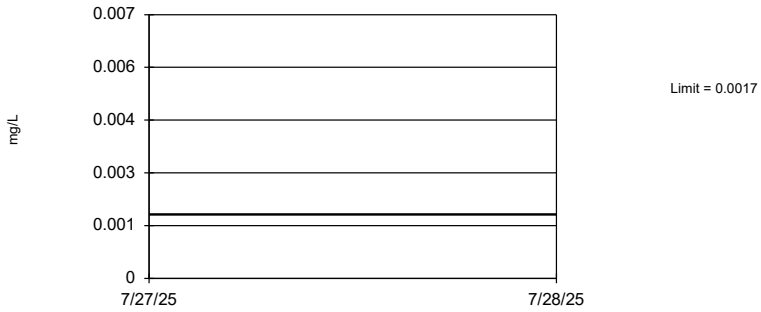
Constituent: Barium Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 71 background values. 64.79% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.0262.

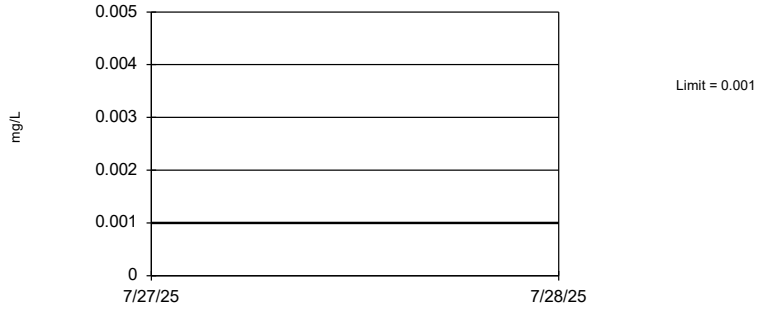
Constituent: Beryllium Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 69 background values. 97.1% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02904.

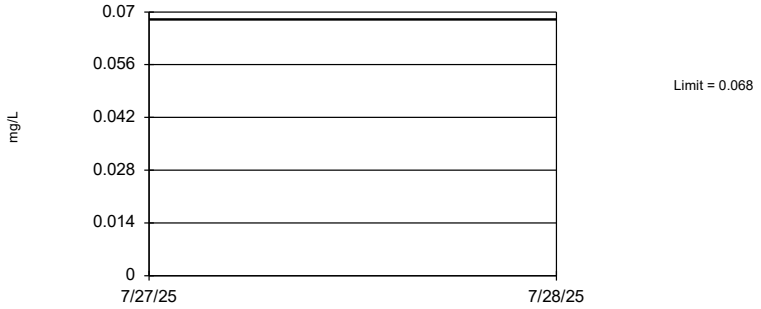
Constituent: Cadmium Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 148 background values. 60.14% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005048.

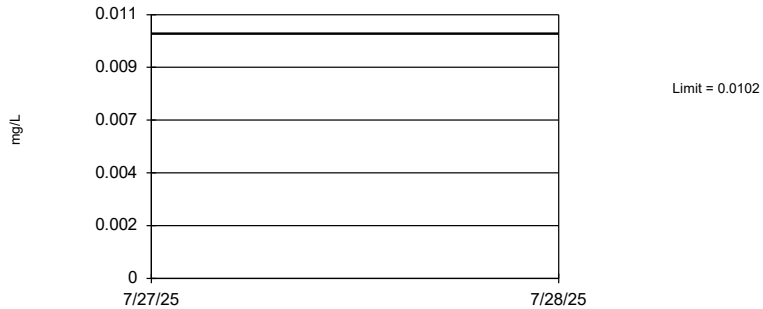
Constituent: Chromium Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 70 background values. 52.86% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02758.

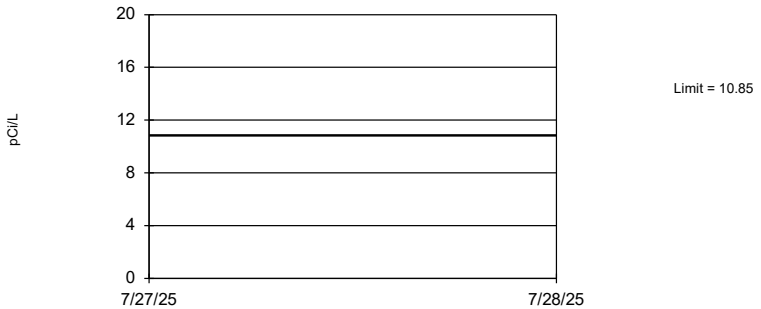
Constituent: Cobalt Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Parametric



95% coverage. Background Data Summary (based on cube root transformation): Mean=1.518, Std. Dev.=0.3305, n=43. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9366, critical = 0.923. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 50 background values. 20% NDs. 91.21% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.07694.

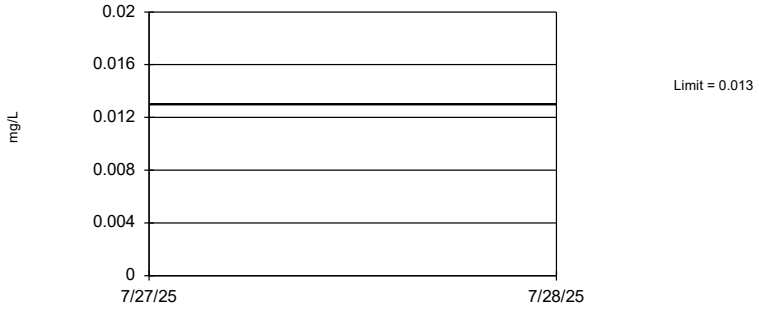
Constituent: Fluoride Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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 145 background values. 73.79% NDs. 96.68% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005887.

Constituent: Lead Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 46 background values. 80.43% NDs. 90.43% coverage at alpha=0.01; 93.55% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.09447.

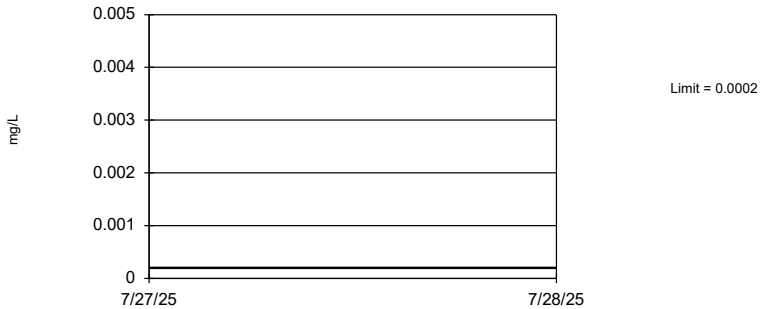
Constituent: Lithium Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 40 background values. 87.5% NDs. 89.26% coverage at alpha=0.01; 92.77% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.1285.

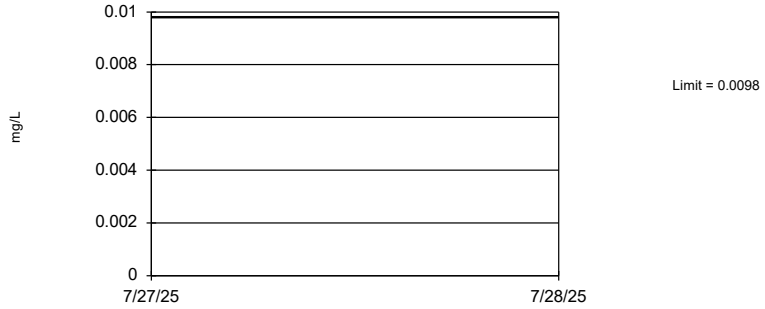
Constituent: Mercury Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



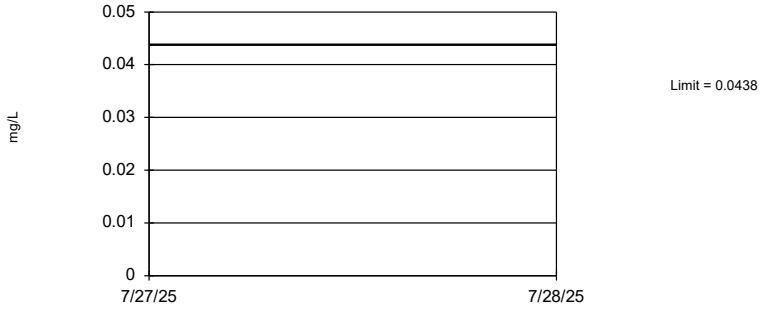
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 46 background values. 78.26% NDs. 90.43% coverage at alpha=0.01; 93.55% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.09447.

Constituent: Molybdenum Analysis Run 10/1/2025 11:17 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



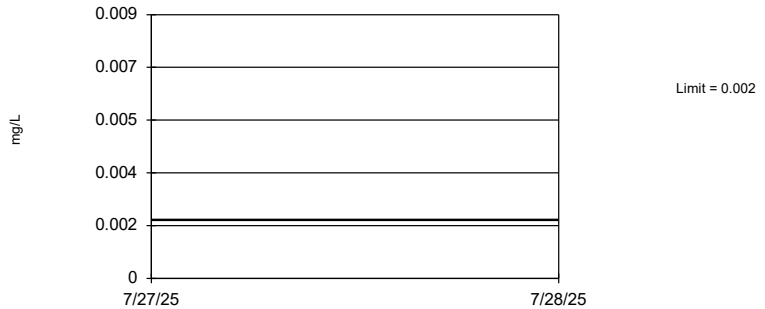
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 149 background values. 81.88% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

Constituent: Selenium Analysis Run 10/1/2025 11:17 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



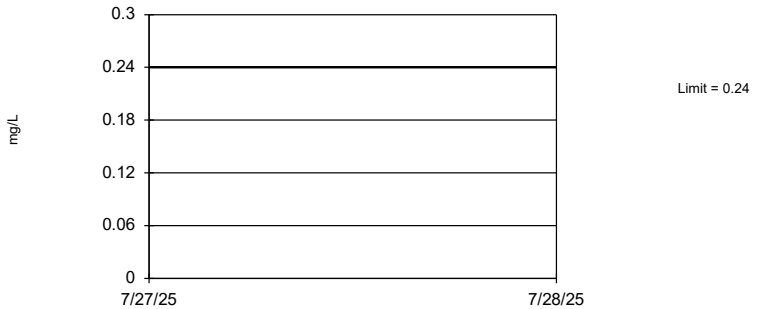
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 80 background values. 95% NDs. 94.34% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01652.

Constituent: Thallium Analysis Run 10/1/2025 11:17 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 137 background values. 59.12% NDs. 96.68% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0008874.

Constituent: Vanadium Analysis Run 10/1/2025 11:17 AM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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 141 background values. 27.66% NDs. 96.68% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0007228.

Constituent: Zinc Analysis Run 10/1/2025 11:17 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Tolerance Limit

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.003	<0.003
11/21/2000	<0.003	
1/20/2001	<0.003	<0.003
3/14/2001	<0.003	<0.003
7/16/2001	<0.003	<0.003
11/1/2001	<0.003	<0.003
4/26/2002	<0.003	<0.003
11/21/2002		<0.003
6/6/2003	<0.003	<0.003
12/12/2003	<0.003	<0.003
5/26/2004	<0.003	<0.003
12/8/2004	<0.003	<0.003
6/21/2005	<0.003	<0.003
12/3/2005	<0.003	<0.003
4/4/2006		<0.003
6/27/2006	<0.003	<0.003
8/30/2006		<0.003
12/3/2006	<0.003	<0.003
2/15/2007		<0.003
6/23/2007	<0.003	<0.003
9/11/2007		<0.003
9/14/2007	<0.003	
11/8/2007	<0.003	<0.003
12/11/2007	<0.003	<0.003
1/18/2008	<0.003	<0.003
3/11/2008		<0.003
3/13/2008	<0.003	
6/4/2008	<0.003	<0.003
6/23/2008	<0.003	<0.003
7/29/2008	<0.003	<0.003
11/3/2008		<0.003
12/4/2008	<0.003	<0.003
3/25/2009		<0.003
7/7/2009	<0.003	<0.003
9/14/2009		<0.003
12/20/2009	<0.003	<0.003
3/4/2010		<0.003
6/20/2010	<0.003	<0.003
9/14/2010		<0.003
1/7/2011	<0.003	<0.003
4/15/2011		<0.003
7/7/2011	<0.003	<0.003
9/25/2011		<0.003
1/17/2012	<0.003	<0.003
4/4/2012		<0.003
7/9/2012	<0.003	
7/10/2012		<0.003
10/9/2012		<0.003
1/18/2013	<0.003	<0.003
4/5/2013		<0.003
7/17/2013	<0.003	<0.003
10/11/2013		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/13/2014	<0.003	
1/14/2014		<0.003
4/3/2014		<0.003
7/9/2014	0.0022 (J)	<0.003
10/24/2014		<0.003
1/13/2015	<0.003	
1/14/2015		<0.003
5/10/2015		<0.003
7/16/2015	0.0028 (J)	
7/17/2015		<0.003
10/6/2015		<0.003
1/18/2016	<0.003	<0.003
4/26/2016		<0.003
7/27/2016	<0.003	
7/28/2016		<0.003
8/30/2016		<0.003
9/1/2016	0.0017 (J)	
10/24/2016		<0.003
10/25/2016	<0.003	
1/3/2017		<0.003
1/6/2017	0.0009 (J)	
4/3/2017		<0.003
4/6/2017	<0.003	
7/11/2017		<0.003
7/13/2017	0.0013 (J)	
10/2/2017		<0.003
10/4/2017	0.0008 (J)	
1/9/2018	<0.003	<0.003
7/9/2018		<0.003
7/11/2018	<0.003	
1/16/2019	<0.003	<0.003
3/25/2019	<0.003	<0.003
8/26/2019	<0.003	<0.003
10/7/2019		<0.003
10/8/2019	<0.003	
4/6/2020	<0.003	<0.003
8/17/2020		<0.003
8/19/2020	<0.003	
9/28/2020	<0.003	<0.003
3/11/2021	<0.003	
3/12/2021		<0.003
9/21/2021	<0.003	<0.003
1/31/2022	<0.003	<0.003
8/30/2022	<0.003	<0.003
1/31/2023	<0.003	<0.003
8/28/2023	<0.003	<0.003
1/23/2024	<0.003	<0.003
8/19/2024	<0.003	
8/21/2024		<0.003
1/27/2025		<0.003
1/28/2025	<0.003	
7/28/2025	<0.003	<0.003

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.005	<0.005
11/21/2000	<0.005	
1/20/2001	<0.005	<0.005
3/14/2001	<0.005	<0.005
7/16/2001	<0.005	<0.005
11/1/2001	<0.005	<0.005
4/26/2002	<0.005	<0.005
11/21/2002		<0.005
6/6/2003	0.02	<0.005
12/12/2003	<0.005	<0.005
5/26/2004	<0.005	<0.005
12/8/2004	<0.005	<0.005
6/21/2005	<0.005	<0.005
12/3/2005	<0.005	<0.005
4/4/2006		<0.005
6/27/2006	<0.005	<0.005
8/30/2006		<0.005
12/3/2006	<0.005	<0.005
2/15/2007		<0.005
6/23/2007	<0.005	<0.005
9/11/2007		<0.005
9/14/2007	<0.005	
11/8/2007	<0.005	<0.005
12/11/2007	<0.005	<0.005
1/18/2008	<0.005	<0.005
3/11/2008		<0.005
3/13/2008	<0.005	
6/4/2008	<0.005	<0.005
6/23/2008	<0.005	<0.005
7/29/2008	<0.005	<0.005
11/3/2008		<0.005
12/4/2008	<0.005	<0.005
3/25/2009		<0.005
7/7/2009	<0.005	<0.005
9/14/2009		<0.005
12/20/2009	<0.005	<0.005
3/4/2010		<0.005
6/20/2010	<0.005	<0.005
9/14/2010		<0.005
1/7/2011	<0.005	<0.005
4/15/2011		<0.005
7/7/2011	<0.005	<0.005
9/25/2011		<0.005
1/17/2012	<0.005	<0.005
4/4/2012		<0.005
7/9/2012	0.0052	
7/10/2012		<0.005
10/9/2012		<0.005
1/18/2013	0.0087	<0.005
4/5/2013		<0.005
7/17/2013	0.0084	<0.005
10/11/2013		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/13/2014	0.0087	
1/14/2014		<0.005
4/3/2014		<0.005
7/9/2014	0.008	<0.005
10/24/2014		<0.005
1/13/2015	0.0077	
1/14/2015		<0.005
5/10/2015		<0.005
7/16/2015	0.0077	
7/17/2015		<0.005
10/6/2015		<0.005
1/18/2016	0.014	<0.005
4/26/2016		0.0011 (J)
7/27/2016	0.0111	
7/28/2016		<0.005
8/30/2016		<0.005
9/1/2016	0.0287	
10/24/2016		<0.005
10/25/2016	0.0069	
1/3/2017		<0.005
1/6/2017	0.0097	
4/3/2017		0.0006 (J)
4/6/2017	0.0104	
7/11/2017		0.0006 (J)
7/13/2017	0.0064	
10/2/2017		0.0006 (J)
10/4/2017	0.0078	
1/9/2018	0.0091 (J)	0.0009 (J)
7/9/2018		<0.005
7/11/2018	<0.005	
1/16/2019	<0.005	<0.005
3/25/2019	0.0029 (J)	<0.005
8/26/2019	0.0041 (J)	<0.005
10/7/2019		<0.005
10/8/2019	0.003 (J)	
4/6/2020	<0.005	0.00045 (J)
8/17/2020		<0.005
8/19/2020	0.006 (J)	
9/28/2020	<0.005	<0.005
3/11/2021	0.0047 (J)	
3/12/2021		<0.005
9/21/2021	<0.005	<0.005
1/31/2022	<0.005	<0.005
8/30/2022	0.00321 (J)	<0.005
1/31/2023	0.0025 (J)	<0.005
8/28/2023	0.0039 (J)	<0.005
1/23/2024	0.00432 (J)	0.00216 (J)
8/19/2024	0.00287 (J)	
8/21/2024		<0.005
1/27/2025		0.00205 (J)
1/28/2025	0.00469 (J)	
7/28/2025	0.00406 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	0.11	0.16
11/21/2000	0.12	
1/20/2001	0.11	0.18
3/14/2001	0.11	0.14
7/16/2001	0.11	0.14
11/1/2001	0.11	0.14
4/26/2002	0.058	0.088
6/6/2003	0.19	0.14
12/12/2003	0.1	0.13
5/26/2004	0.084	0.09
12/8/2004	0.094	0.11
6/21/2005	0.089	0.084
12/3/2005	0.089	0.1
4/4/2006		0.089
6/27/2006	0.096	0.1
8/30/2006		0.12
12/3/2006	0.092	0.086
2/15/2007		0.088
6/23/2007	0.08	0.089
9/11/2007		0.092
9/14/2007	0.078	
11/8/2007	0.067	0.085
12/11/2007	0.067	0.077
1/18/2008	0.071	0.084
3/11/2008		0.082
3/13/2008	0.061	
6/4/2008	0.06	0.072
6/23/2008	0.056	0.086
7/29/2008	0.055	0.084
11/3/2008		0.088
12/4/2008	0.054	0.081
3/25/2009		0.069
7/7/2009	0.034	0.078
9/14/2009		0.079
12/20/2009	0.034	0.081
3/4/2010		0.065
6/20/2010	0.062	0.078
9/14/2010		0.076
1/7/2011	0.039	0.074
4/15/2011		0.065
7/7/2011	0.036	0.081
9/25/2011		0.078
1/17/2012	0.041	0.082
4/4/2012		0.0861
7/9/2012	0.15	
7/10/2012		0.082
10/9/2012		0.09
1/18/2013	0.15	0.083
4/5/2013		0.078
7/17/2013	0.13	0.083
10/11/2013		0.078
1/13/2014	0.16	

Tolerance Limit

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/14/2014		0.081
4/3/2014		0.077
7/9/2014	0.11	0.073
10/24/2014		0.087
1/13/2015	0.083	
1/14/2015		0.079
5/10/2015		0.076
7/16/2015	0.094	
7/17/2015		0.061
10/6/2015		0.067
1/18/2016	0.22	0.068
4/26/2016		0.0596
7/27/2016	0.192	
7/28/2016		0.0701
8/30/2016		0.0687
9/1/2016	0.415 (O)	
10/24/2016		0.07
10/25/2016	0.173	
1/3/2017		0.061
1/6/2017	0.167	
4/3/2017		0.0612
4/6/2017	0.136	
7/11/2017		0.0624
7/13/2017	0.0891	
10/2/2017		0.0618
10/4/2017	0.113	
1/9/2018	0.0901	0.0574
7/9/2018		0.056
7/11/2018	0.065	
1/16/2019	0.062	0.062
3/25/2019	0.054	0.064
8/26/2019	0.11	0.065
10/7/2019		0.069
10/8/2019	0.1	
4/6/2020	0.072	0.057
8/17/2020		0.051
8/19/2020	0.1	
9/28/2020	0.095	0.05
3/11/2021	0.07	
3/12/2021		0.052
9/21/2021	0.073	0.049
1/31/2022	0.1	0.051
8/30/2022	0.133	0.0512
1/31/2023	0.126	0.0499
8/28/2023	0.177	0.0483
1/23/2024	0.236	0.0571
8/19/2024	0.201	
8/21/2024		0.0576
1/27/2025		0.0536
1/28/2025	0.203	
7/28/2025	0.209	0.0537

Tolerance Limit

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.0005	<0.0005
11/21/2000	<0.0005	
1/20/2001	<0.0005	<0.0005
3/14/2001	<0.0005	<0.0005
7/16/2001	<0.0005	<0.0005
11/1/2001	<0.0005	<0.0005
4/26/2002	<0.0005	<0.0005
9/11/2007		<0.0005
9/14/2007	<0.0005	
11/8/2007	<0.0005	<0.0005
1/18/2008	<0.0005	<0.0005
3/11/2008		<0.0005
3/13/2008	<0.0005	
6/4/2008	<0.0005	<0.0005
7/29/2008	<0.0005	<0.0005
8/30/2016		0.0002 (J)
9/1/2016	0.0017 (J)	
10/24/2016		<0.0005
10/25/2016	0.0002 (J)	
1/3/2017		0.0002 (J)
1/6/2017	0.0003 (J)	
4/3/2017		0.0002 (J)
4/6/2017	0.0004 (J)	
7/11/2017		0.0002 (J)
7/13/2017	0.001 (J)	
10/2/2017		0.0002 (J)
10/4/2017	0.0002 (J)	
1/9/2018	<0.0005	0.0002 (J)
7/9/2018		0.0002 (J)
7/11/2018	<0.0005	
8/26/2019	<0.0005	0.00021 (J)
10/7/2019		0.00024 (J)
10/8/2019	<0.0005	
4/6/2020	<0.0005	0.00017 (J)
8/17/2020		0.00019 (J)
8/19/2020	<0.0005	
9/28/2020	<0.0005	0.00021 (J)
3/11/2021	0.00028 (J)	
3/12/2021		0.00023 (J)
9/21/2021	<0.0005	0.00016 (J)
1/31/2022	<0.0005	0.00016 (J)
8/30/2022	0.000219 (J)	<0.0005
1/31/2023	<0.0005	0.000206 (J)
8/28/2023	<0.0005	<0.0005
1/23/2024	<0.0005	<0.0005
8/19/2024	<0.0005	
8/21/2024		<0.0005
1/27/2025		<0.0005
1/28/2025	<0.0005	
7/28/2025	<0.0005	0.000227 (J)

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
11/21/2000	<0.001	
1/20/2001	<0.001	<0.001
3/14/2001	<0.001	<0.001
7/16/2001	<0.001	<0.001
11/1/2001	<0.001	<0.001
4/26/2002	<0.001	<0.001
9/11/2007		<0.001
9/14/2007	<0.001	
11/8/2007	<0.001	<0.001
1/18/2008	<0.001	<0.001
3/11/2008		<0.001
3/13/2008	<0.001	
6/4/2008	<0.001	<0.001
7/29/2008	<0.001	<0.001
8/30/2016		<0.001
9/1/2016	0.0007 (J)	
10/24/2016		<0.001
10/25/2016	<0.001	
1/3/2017		<0.001
1/6/2017	0.0001 (J)	
4/3/2017		<0.001
4/6/2017	<0.001	
7/11/2017		<0.001
7/13/2017	<0.001	
10/2/2017		<0.001
10/4/2017	<0.001	
1/9/2018	<0.001	<0.001
7/9/2018		<0.001
7/11/2018	<0.001	
8/26/2019	<0.001	<0.001
10/7/2019		<0.001
10/8/2019	<0.001	
4/6/2020	<0.001	<0.001
8/17/2020		<0.001
8/19/2020	<0.001	
9/28/2020	<0.001	<0.001
3/11/2021	<0.001	
3/12/2021		<0.001
9/21/2021	<0.001	<0.001
1/31/2022	<0.001	<0.001
8/30/2022	<0.001	<0.001
1/31/2023	<0.001	<0.001
8/28/2023	<0.001	<0.001
1/23/2024	<0.001	<0.001
8/19/2024	<0.001	
8/21/2024		<0.001
1/27/2025		<0.001
1/28/2025	<0.001	
7/28/2025	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.01	<0.01
11/21/2000	<0.01	
1/20/2001	<0.01	<0.01
3/14/2001	<0.01	<0.01
7/16/2001	<0.01	<0.01
11/1/2001	<0.01	<0.01
4/26/2002	<0.01	<0.01
11/21/2002		0.0051
6/6/2003	0.037	0.014
12/12/2003	0.0044	0.011
5/26/2004	<0.01	<0.01
12/8/2004	<0.01	<0.01
6/21/2005	<0.01	<0.01
12/3/2005	<0.01	<0.01
4/4/2006		<0.01
6/27/2006	<0.01	<0.01
8/30/2006		<0.01
12/3/2006	0.0015	<0.01
2/15/2007		<0.01
6/23/2007	<0.01	<0.01
9/11/2007		<0.01
9/14/2007	0.0023	
11/8/2007	0.003	<0.01
12/11/2007	0.0016	<0.01
1/18/2008	0.002	<0.01
3/11/2008		<0.01
3/13/2008	0.0018	
6/4/2008	0.0037	<0.01
6/23/2008	0.0019	<0.01
7/29/2008	0.0026	<0.01
11/3/2008		<0.01
12/4/2008	<0.01	<0.01
3/25/2009		<0.01
7/7/2009	0.0037	<0.01
9/14/2009		<0.01
12/20/2009	0.0016	<0.01
3/4/2010		<0.01
6/20/2010	<0.01	<0.01
9/14/2010		<0.01
1/7/2011	0.0033	<0.01
4/15/2011		<0.01
7/7/2011	0.0044	<0.01
9/25/2011		0.0021
1/17/2012	0.0038	<0.01
4/4/2012		<0.01
7/9/2012	0.022	
7/10/2012		<0.01
10/9/2012		<0.01
1/18/2013	0.034	<0.01
4/5/2013		<0.01
7/17/2013	0.032	<0.01
10/11/2013		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/13/2014	0.04	
1/14/2014		<0.01
4/3/2014		<0.01
7/9/2014	0.036	<0.01
10/24/2014		<0.01
1/13/2015	0.03	
1/14/2015		<0.01
5/10/2015		<0.01
7/16/2015	0.039	
7/17/2015		<0.01
10/6/2015		<0.01
1/18/2016	0.068	<0.01
4/26/2016		<0.01
7/27/2016	0.05 (J)	
7/28/2016		<0.01
8/30/2016		<0.01
9/1/2016	0.119 (O)	
10/24/2016		<0.01
10/25/2016	0.0519	
1/3/2017		<0.01
1/6/2017	0.0536	
4/3/2017		0.0004 (J)
4/6/2017	0.0447 (J)	
7/11/2017		0.0006 (J)
7/13/2017	0.0269	
10/2/2017		<0.01
10/4/2017	0.0378	
1/9/2018	0.0283 (J)	<0.01
7/9/2018		<0.01
7/11/2018	0.018 (J)	
1/16/2019	0.018 (J)	<0.01
3/25/2019	0.017 (J)	<0.01
8/26/2019	0.024 (J)	0.001 (J)
10/7/2019		0.00052 (J)
10/8/2019	0.021 (J)	
4/6/2020	0.015 (J)	<0.01
8/17/2020		0.00082 (J)
8/19/2020	0.015 (J)	
9/28/2020	0.014 (J)	0.00071 (J)
3/11/2021	0.02 (J)	
3/12/2021		0.00074 (J)
9/21/2021	0.013 (J)	<0.01
1/31/2022	0.015 (J)	<0.01
8/30/2022	0.0129	<0.01
1/31/2023	0.0112	<0.01
8/28/2023	0.0139	<0.01
1/23/2024	<0.01	<0.01
8/19/2024	0.0123	
8/21/2024		<0.01
1/27/2025		<0.01
1/28/2025	0.0152	
7/28/2025	0.0147	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.005	<0.005
11/21/2000	<0.005	
1/20/2001	<0.005	<0.005
3/14/2001	<0.005	<0.005
7/16/2001	<0.005	<0.005
11/1/2001	<0.005	<0.005
4/26/2002	<0.005	<0.005
9/11/2007		<0.005
9/14/2007	<0.005	
11/8/2007	<0.005	<0.005
1/18/2008	<0.005	<0.005
3/11/2008		<0.005
3/13/2008	<0.005	
6/4/2008	<0.005	<0.005
7/29/2008	<0.005	<0.005
8/30/2016		<0.005
9/1/2016	0.0102	
10/24/2016		<0.005
10/25/2016	0.0037 (J)	
1/3/2017		<0.005
1/6/2017	0.0039 (J)	
4/3/2017		0.0005 (J)
4/6/2017	0.006 (J)	
7/11/2017		0.0005 (J)
7/13/2017	0.0037 (J)	
10/2/2017		0.0004 (J)
10/4/2017	0.0058 (J)	
1/9/2018	0.0053 (J)	0.0004 (J)
7/9/2018		<0.005
7/11/2018	<0.05 (O)	
8/26/2019	0.0037 (J)	0.00042 (J)
10/7/2019		0.00046 (J)
10/8/2019	0.0028 (J)	
4/6/2020	0.0021 (J)	0.00036 (J)
8/17/2020		<0.005
8/19/2020	0.0021 (J)	
9/28/2020	<0.005	<0.005
3/11/2021	0.0023 (J)	
3/12/2021		0.00058 (J)
9/21/2021	<0.005	<0.005
1/31/2022	<0.005	0.00044 (J)
8/30/2022	0.00134	0.00042 (J)
1/31/2023	0.00114	0.000378 (J)
8/28/2023	0.00156	<0.005
1/23/2024	<0.005	0.000302 (J)
8/19/2024	0.0015	
8/21/2024		0.000413 (J)
1/27/2025		0.000367 (J)
1/28/2025	0.00127	
7/28/2025	0.00158	0.000397 (J)

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-8 (bg)	GWA-7 (bg)
8/30/2016	2.72	
9/1/2016		11
10/24/2016	2.96	
10/25/2016		10.5
1/3/2017	2.76	
1/6/2017		6.81
4/3/2017	1.36	
4/6/2017		8.93
7/11/2017	1.85	
7/13/2017		8.51
10/2/2017	1.9	
10/4/2017		3.85
1/9/2018	2.39	4.28
7/9/2018	1.49	
7/11/2018		5.99
8/26/2019	3.03	6.03
10/7/2019	2.83	
10/8/2019		33.8 (O)
4/6/2020	2.83	25.7 (O)
8/17/2020	2.63	
8/19/2020		5.45
9/28/2020	2.08	22.4 (O)
3/11/2021		3.22
3/12/2021	2.17	
9/21/2021	0.73 (U)	10.3
1/31/2022	1.01	8.46
8/30/2022	1.97	2.75
1/31/2023	1.96 (U)	3.86
8/28/2023	1.84	1.69
1/23/2024	3.11	4.64
8/19/2024		3.16
8/21/2024	4.29	
1/27/2025	2.69	
1/28/2025		6.72
7/28/2025	3.41	1.93

Tolerance Limit

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-8 (bg)	GWA-7 (bg)
8/30/2016	0.1 (J)	
9/1/2016		<0.1
10/24/2016	0.18 (J)	
10/25/2016		0.07 (J)
1/3/2017	0.18 (J)	
1/6/2017		0.2 (J)
4/3/2017	0.12 (J)	
4/6/2017		0.05 (J)
7/11/2017	0.39	
7/13/2017		0.41
10/2/2017	0.12 (J)	
10/4/2017		0.04 (J)
1/9/2018	0.21 (J)	0.46
7/9/2018	0.04 (J)	
7/11/2018		<0.1
1/16/2019	<0.1	0.49
3/25/2019	0.082 (J)	0.21 (J)
8/26/2019	0.13	<0.1
10/7/2019	<0.1	
10/8/2019		<0.1
4/6/2020	0.089 (J)	0.13 (J)
8/17/2020	0.079 (J)	
8/19/2020		0.21
9/28/2020	<0.1	0.069 (J)
3/11/2021		<0.1
3/12/2021	0.087 (J)	
9/21/2021	0.068 (J)	0.077 (J)
1/31/2022	0.09 (J)	<0.1
8/30/2022	0.0759 (J)	0.0391 (J)
1/31/2023	0.0842 (J)	0.051 (J)
8/28/2023	0.0498 (J)	<0.1
1/23/2024	0.0641 (J)	0.0367 (J)
8/19/2024		0.061 (J)
8/21/2024	0.108	
1/27/2025	0.0768 (J)	
1/28/2025		0.0568 (J)
7/28/2025	0.0842 (J)	0.0506 (J)

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.002	<0.002
11/21/2000	<0.002	
1/20/2001	<0.002	<0.002
3/14/2001	<0.002	<0.002
7/16/2001	<0.002	<0.002
11/1/2001	<0.002	<0.002
4/26/2002	<0.002	<0.002
11/21/2002		<0.002
6/6/2003	0.037 (O)	0.016 (O)
12/12/2003	0.008	0.0095
5/26/2004	<0.002	<0.002
12/8/2004	<0.002	<0.002
6/21/2005	<0.002	<0.002
12/3/2005	<0.002	<0.002
4/4/2006		<0.002
6/27/2006	<0.002	<0.002
8/30/2006		<0.002
12/3/2006	<0.002	<0.002
2/15/2007		<0.002
6/23/2007	<0.002	<0.002
9/11/2007		<0.002
9/14/2007	<0.002	
11/8/2007	<0.002	<0.002
12/11/2007	<0.002	<0.002
1/18/2008	<0.002	<0.002
3/11/2008		<0.002
3/13/2008	<0.002	
6/4/2008	<0.002	<0.002
6/23/2008	<0.002	<0.002
7/29/2008	<0.002	<0.002
11/3/2008		<0.002
12/4/2008	<0.002	<0.002
3/25/2009		<0.002
7/7/2009	<0.002	<0.002
9/14/2009		<0.002
12/20/2009	<0.002	<0.002
3/4/2010		<0.002
6/20/2010	<0.002	<0.002
9/14/2010		<0.002
1/7/2011	<0.002	<0.002
4/15/2011		<0.002
7/7/2011	<0.002	<0.002
9/25/2011		<0.002
1/17/2012	<0.002	<0.002
4/4/2012		<0.002
7/9/2012	<0.002	
7/10/2012		<0.002
10/9/2012		<0.002
1/18/2013	<0.002	<0.002
4/5/2013		<0.002
7/17/2013	<0.002	<0.002
10/11/2013		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/13/2014	0.013	
1/14/2014		<0.002
4/3/2014		<0.002
7/9/2014	0.0076 (J)	<0.002
10/24/2014		<0.002
1/13/2015	0.0057 (J)	
1/14/2015		<0.002
5/10/2015		<0.002
7/16/2015	0.009 (J)	
7/17/2015		<0.002
10/6/2015		<0.002
1/18/2016	0.0094 (J)	<0.002
4/26/2016		<0.002
7/27/2016	0.0058	
7/28/2016		<0.002
8/30/2016		<0.002
9/1/2016	0.0663 (O)	
10/24/2016		<0.002
10/25/2016	0.0003 (J)	
1/3/2017		0.0001 (J)
1/6/2017	0.006	
4/3/2017		0.0002 (J)
4/6/2017	0.0109	
7/11/2017		0.0001 (J)
7/13/2017	0.007	
10/2/2017		0.0001 (J)
10/4/2017	0.0042 (J)	
1/9/2018	0.0098	0.0001 (J)
7/9/2018		<0.002
7/11/2018	0.0028 (J)	
1/16/2019	<0.025 (O)	<0.002
3/25/2019	0.0019 (J)	<0.002
8/26/2019	0.013 (J)	<0.002
10/7/2019		<0.002
10/8/2019	0.0098 (J)	
4/6/2020	0.0024 (J)	0.0001 (J)
8/17/2020		<0.002
8/19/2020	0.0044 (J)	
9/28/2020	0.0043 (J)	<0.002
3/11/2021	0.0079	
3/12/2021		9.3E-05 (J)
9/21/2021	<0.002	<0.002
1/31/2022	<0.002	<0.002
8/30/2022	0.0022	<0.002
1/31/2023	0.00126 (J)	0.0104
8/28/2023	0.0017 (J)	0.000566 (J)
1/23/2024	0.00133 (J)	<0.002
8/19/2024	0.000838 (J)	
8/21/2024		<0.002
1/27/2025		<0.002
1/28/2025	0.000726 (J)	
7/28/2025	0.000999 (J)	<0.002

Tolerance Limit

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-8 (bg)	GWA-7 (bg)
8/30/2016	<0.01	
9/1/2016		<0.01
10/24/2016	<0.01	
10/25/2016		<0.01
1/3/2017	<0.01	
1/6/2017		<0.01
4/3/2017	<0.01	
4/6/2017		<0.01
7/11/2017	<0.01	
7/13/2017		<0.01
10/2/2017	<0.01	
10/4/2017		<0.01
1/9/2018	<0.01	<0.01
7/9/2018	0.001 (J)	
7/11/2018		<0.01
8/26/2019	0.0012 (J)	<0.01
10/7/2019	0.0012 (J)	
10/8/2019		<0.01
4/6/2020	0.00086 (J)	<0.01
8/17/2020	0.001 (J)	
8/19/2020		<0.01
9/28/2020	0.001 (J)	<0.01
3/11/2021		<0.01
3/12/2021	0.0013 (J)	
9/21/2021	0.00092 (J)	<0.01
1/31/2022	0.00091 (J)	<0.01
8/30/2022	<0.01	<0.01
1/31/2023	<0.01	<0.01
8/28/2023	<0.01	<0.01
1/23/2024	<0.01	<0.01
8/19/2024		<0.01
8/21/2024	<0.01	
1/27/2025	<0.01	
1/28/2025		<0.01
7/28/2025	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-8 (bg)	GWA-7 (bg)
8/30/2016	<0.0002	
9/1/2016		0.00017 (J)
10/24/2016	<0.0002	
10/25/2016		<0.0002
1/3/2017	<0.0002	
1/6/2017		<0.0002
4/3/2017	<0.0002	
4/6/2017		4E-05 (J)
7/11/2017	<0.0002	
7/13/2017		<0.0002
10/2/2017	<0.0002	
10/4/2017		0.0001 (J)
1/9/2018	<0.0002	<0.0002
7/9/2018	<0.0002	
7/11/2018		<0.0002
1/16/2019	<0.0002	<0.0002
8/26/2019	<0.0002	<0.0002
8/17/2020	<0.0002	
8/19/2020		<0.0002
9/21/2021	0.00011 (J)	0.0001 (J)
1/31/2022	<0.0002	<0.0002
8/30/2022	<0.0002	<0.0002
1/31/2023	<0.0002	<0.0002
8/28/2023	<0.0002	<0.0002
1/23/2024	<0.0002	<0.0002
8/19/2024		<0.0002
8/21/2024	<0.0002	
1/27/2025	<0.0002	
1/28/2025		<0.0002
7/28/2025	<0.0002	<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-8 (bg)	GWA-7 (bg)
8/30/2016	<0.001	
9/1/2016		0.0098 (J)
10/24/2016	<0.001	
10/25/2016		<0.001
1/3/2017	<0.001	
1/6/2017		<0.001
4/3/2017	<0.001	
4/6/2017		<0.001
7/11/2017	<0.001	
7/13/2017		0.0013 (J)
10/2/2017	<0.001	
10/4/2017		0.0013 (J)
1/9/2018	<0.001	<0.001
7/9/2018	<0.001	
7/11/2018		<0.001
8/26/2019	<0.001	<0.001
10/7/2019	<0.001	
10/8/2019		<0.001
4/6/2020	<0.001	<0.001
8/17/2020	<0.001	
8/19/2020		<0.001
9/28/2020	<0.001	<0.001
3/11/2021		<0.001
3/12/2021	<0.001	
9/21/2021	<0.001	<0.001
1/31/2022	<0.001	<0.001
8/30/2022	<0.001	0.000453 (J)
1/31/2023	<0.001	0.000364 (J)
8/28/2023	<0.001	0.000543 (J)
1/23/2024	<0.001	0.000396 (J)
8/19/2024		0.000468 (J)
8/21/2024	<0.001	
1/27/2025	<0.001	
1/28/2025		0.000382 (J)
7/28/2025	<0.001	0.000426 (J)

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.005	<0.005
11/21/2000	<0.005	
1/20/2001	<0.005	<0.005
3/14/2001	<0.005	<0.005
7/16/2001	<0.005	<0.005
11/1/2001	<0.005	<0.005
4/26/2002	<0.005	<0.005
11/21/2002		<0.005
6/6/2003	<0.005	<0.005
12/12/2003	<0.005	<0.005
5/26/2004	<0.005	<0.005
12/8/2004	<0.005	<0.005
6/21/2005	<0.005	<0.005
12/3/2005	<0.005	<0.005
4/4/2006		<0.005
6/27/2006	<0.005	<0.005
8/30/2006		<0.005
12/3/2006	<0.005	<0.005
2/15/2007		<0.005
6/23/2007	<0.005	<0.005
9/11/2007		<0.005
9/14/2007	<0.005	
11/8/2007	<0.005	<0.005
12/11/2007	<0.005	<0.005
1/18/2008	<0.005	<0.005
3/11/2008		<0.005
3/13/2008	<0.005	
6/4/2008	<0.005	<0.005
6/23/2008	<0.005	<0.005
7/29/2008	<0.005	<0.005
11/3/2008		<0.005
12/4/2008	<0.005	<0.005
3/25/2009		<0.005
7/7/2009	<0.005	<0.005
9/14/2009		<0.005
12/20/2009	<0.005	<0.005
3/4/2010		<0.005
6/20/2010	<0.005	<0.005
9/14/2010		<0.005
1/7/2011	<0.005	<0.005
4/15/2011		<0.005
7/7/2011	<0.005	<0.005
9/25/2011		<0.005
1/17/2012	<0.005	<0.005
4/4/2012		<0.005
7/9/2012	<0.005	
7/10/2012		<0.005
10/9/2012		<0.005
1/18/2013	0.009	<0.005
4/5/2013		<0.005
7/17/2013	0.011	<0.005
10/11/2013		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/13/2014	0.012	
1/14/2014		<0.005
4/3/2014		<0.005
7/9/2014	0.011	<0.005
10/24/2014		<0.005
1/13/2015	0.0092	
1/14/2015		<0.005
5/10/2015		<0.005
7/16/2015	0.014	
7/17/2015		<0.005
10/6/2015		<0.005
1/18/2016	0.023	<0.005
4/26/2016		<0.005
7/27/2016	0.0323 (J)	
7/28/2016		0.001 (J)
8/30/2016		<0.005
9/1/2016	0.0438	
10/24/2016		0.0013 (J)
10/25/2016	0.031	
1/3/2017		<0.005
1/6/2017	0.0324	
4/3/2017		<0.005
4/6/2017	0.0188 (J)	
7/11/2017		<0.005
7/13/2017	0.0118	
10/2/2017		<0.005
10/4/2017	0.0195	
1/9/2018	<0.005	<0.005
7/9/2018		<0.005
7/11/2018	<0.005	
1/16/2019	0.0071 (J)	<0.005
3/25/2019	<0.005	<0.005
8/26/2019	<0.005	<0.005
10/7/2019		<0.005
10/8/2019	0.0072 (J)	
4/6/2020	0.0078 (J)	<0.005
8/17/2020		<0.005
8/19/2020	<0.005	
9/28/2020	0.01 (J)	<0.005
3/11/2021	<0.005	
3/12/2021		<0.005
9/21/2021	<0.005	<0.005
1/31/2022	<0.005	<0.005
8/30/2022	0.0063	<0.005
1/31/2023	0.00443 (J)	<0.005
8/28/2023	0.00544	<0.005
1/23/2024	0.00657	<0.005
8/19/2024	0.00709	
8/21/2024		<0.005
1/27/2025		<0.005
1/28/2025	0.00916	
7/28/2025	0.00876	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.002	<0.002
11/21/2000	<0.002	
1/20/2001	<0.002	<0.002
3/14/2001	<0.002	<0.002
7/16/2001	<0.002	<0.002
11/1/2001	<0.002	<0.002
4/26/2002	<0.002	<0.002
6/6/2003	<0.002	<0.002
12/12/2003	<0.002	<0.002
5/26/2004	<0.002	<0.002
12/7/2004	<0.002	<0.002
6/21/2005	<0.002	<0.002
12/3/2005	<0.002	<0.002
4/4/2006		<0.002
6/27/2006	<0.002	<0.002
8/30/2006		<0.002
12/3/2006	<0.002	<0.002
2/15/2007		<0.002
6/23/2007	<0.002	<0.002
8/30/2016		<0.002
9/1/2016	0.0005 (J)	
10/24/2016		<0.002
10/25/2016	<0.002	
1/3/2017		<0.002
1/6/2017	<0.002	
4/3/2017		<0.002
4/6/2017	<0.002	
7/11/2017		5E-05 (J)
7/13/2017	<0.002	
10/2/2017		6E-05 (J)
10/4/2017	<0.002	
1/9/2018	<0.002	<0.002
7/9/2018		<0.002
7/11/2018	<0.002	
8/26/2019	<0.002	<0.002
10/7/2019		6.2E-05 (J)
10/8/2019	<0.002	
4/6/2020	<0.002	<0.002
8/17/2020		<0.002
8/19/2020	<0.002	
9/28/2020	<0.002	<0.002
3/11/2021	<0.002	
3/12/2021		<0.002
9/21/2021	<0.002	<0.002
1/31/2022	<0.002	<0.002
8/30/2022	<0.002	<0.002
1/31/2023	<0.002	<0.002
8/28/2023	<0.002	<0.002
1/23/2024	<0.002	<0.002
8/19/2024	<0.002	
8/21/2024		<0.002
1/27/2025		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/28/2025	<0.002	
7/28/2025	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.02	<0.02
11/21/2000	<0.02	
1/20/2001	<0.02	<0.02
3/14/2001	<0.02	<0.02
7/16/2001	<0.02	<0.02
11/1/2001	<0.02	<0.02
4/26/2002	<0.02	<0.02
11/21/2002		<0.02
6/6/2003	0.047	0.017
12/12/2003	0.0086	0.011
5/26/2004	<0.02	<0.02
12/8/2004	<0.02	<0.02
6/21/2005	<0.02	<0.02
12/3/2005	<0.02	<0.02
4/4/2006		<0.02
6/27/2006	<0.02	<0.02
8/30/2006		<0.02
12/3/2006	0.0027	<0.02
2/15/2007		<0.02
6/23/2007	0.0027	<0.02
9/11/2007		<0.02
9/14/2007	0.0035	
11/8/2007	0.0044	0.0026
12/11/2007	0.0033	<0.02
1/18/2008	0.0052	<0.02
3/11/2008		<0.02
3/13/2008	0.0045	
6/4/2008	0.0073	<0.02
6/23/2008	0.0074	<0.02
7/29/2008	0.0068	<0.02
11/3/2008		<0.02
12/4/2008	0.0084	<0.02
3/25/2009		<0.02
7/7/2009	0.023	<0.02
9/14/2009		<0.02
12/20/2009	0.007	<0.02
3/4/2010		<0.02
6/20/2010	0.0047	<0.02
9/14/2010		<0.02
1/7/2011	0.018	<0.02
4/15/2011		<0.02
7/7/2011	0.019	<0.02
9/25/2011		<0.02
1/17/2012	0.0298	<0.02
4/4/2012		<0.02
7/9/2012	0.14	
7/10/2012		<0.02
10/9/2012		<0.02
1/18/2013	0.21	<0.02
4/5/2013		<0.02
7/17/2013	0.18	<0.02
10/11/2013		<0.02

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/13/2014	0.24	
1/14/2014		<0.02
4/3/2014		0.0015 (J)
7/9/2014	0.22	0.0012 (J)
10/24/2014		<0.02
1/13/2015	0.19	
1/14/2015		<0.02
5/10/2015		<0.02
7/16/2015	0.23	
7/17/2015		<0.02
10/6/2015		0.0012 (J)
1/18/2016	0.41 (O)	0.00079 (J)
4/26/2016		<0.02
7/27/2016	0.397 (O)	
7/28/2016		<0.02
10/24/2016		<0.02
10/25/2016	0.425 (O)	
1/3/2017		<0.02
1/6/2017	0.41 (O)	
4/3/2017		<0.02
4/6/2017	0.297 (O)	
7/11/2017		<0.02
7/13/2017	0.194	
10/2/2017		<0.02
10/4/2017	0.316 (O)	
1/9/2018	0.194	0.0014 (J)
7/9/2018		<0.02
7/11/2018	0.15	
1/16/2019	0.16	<0.02
3/25/2019	0.18	<0.02
10/7/2019		<0.02
10/8/2019	0.11	
4/6/2020	0.12	<0.02
9/28/2020	0.1	<0.02
3/11/2021	0.14	
3/12/2021		<0.02
9/21/2021	0.096	<0.02
1/31/2022	0.1	<0.02
8/30/2022	0.11	0.00372 (J)
1/31/2023	0.106	<0.02
8/28/2023	0.137	0.0148 (J)
1/23/2024	0.148	0.00564 (J)
8/19/2024	0.125	
8/21/2024		<0.02
1/27/2025		<0.02
1/28/2025	0.167	
7/28/2025	0.156	0.00341 (J)

Tolerance Limit

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
9/29/2000	<0.02	<0.02
11/21/2000	<0.02	
1/20/2001	<0.02	0.025
3/14/2001	<0.02	<0.02
7/16/2001	<0.02	<0.02
11/1/2001	<0.02	<0.02
4/26/2002	<0.02	<0.02
11/21/2002		0.016
6/6/2003	0.69 (O)	0.032
12/12/2003	0.12	0.019
5/26/2004	0.013	<0.02
12/8/2004	<0.02	<0.02
6/21/2005	<0.02	<0.02
12/3/2005	0.014	0.01
4/4/2006		<0.02
6/27/2006	0.01	0.0043
8/30/2006		0.017
12/3/2006	0.0065	0.0053
2/15/2007		0.0045
6/23/2007	0.0049	0.0043
9/11/2007		0.004
9/14/2007	0.0052	
11/8/2007	0.0026	0.0035
12/11/2007	0.0043	0.0048
1/18/2008	0.0046	0.005
3/11/2008		0.0043
3/13/2008	0.0054	
6/4/2008	0.004	0.004
6/23/2008	0.0025	0.0037
7/29/2008	<0.02	0.0028
11/3/2008		0.0032
12/4/2008	0.0025	0.0029
3/25/2009		0.0055
7/7/2009	<0.02	0.0028
9/14/2009		0.0027
12/20/2009	0.0031	0.0029
3/4/2010		0.0042
6/20/2010	<0.02	0.0027
9/14/2010		<0.02
1/7/2011	<0.02	0.0032
4/15/2011		<0.02
7/7/2011	0.0031	0.005
9/25/2011		0.0041
1/17/2012	0.004	0.0043
4/4/2012		<0.02
7/9/2012	0.0096	
7/10/2012		0.0028
10/9/2012		0.0033
1/18/2013	0.051	0.0038
4/5/2013		0.0026
7/17/2013	0.042	<0.02
10/11/2013		0.0046

ND substitution: RL or RL/2 if <15% NDs.

Tolerance Limit

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:22 AM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)
1/13/2014	0.062	
1/14/2014		0.0043
4/3/2014		0.0029
7/9/2014	0.064	0.002 (J)
10/24/2014		0.0031
1/13/2015	0.066	
1/14/2015		0.003
5/10/2015		0.0028
7/16/2015	0.036	
7/17/2015		0.0018 (J)
10/6/2015		0.0018 (J)
1/18/2016	0.035	0.0028
4/26/2016		<0.02
7/27/2016	0.0529	
7/28/2016		0.0018 (J)
10/24/2016		0.0024 (J)
10/25/2016	0.0035 (J)	
1/3/2017		0.0035 (J)
1/6/2017	0.0235	
4/3/2017		0.0041 (J)
4/6/2017	0.0829	
7/11/2017		0.0029 (J)
7/13/2017	0.0853	
10/2/2017		0.0026 (J)
10/4/2017	0.0263	
1/9/2018	0.0665	0.0035 (J)
7/9/2018		0.0022 (J)
7/11/2018	0.02 (J)	
1/16/2019	0.014 (J)	0.0037 (J)
3/25/2019	<0.05 (O)	<0.02
10/7/2019		0.0077 (J)
10/8/2019	0.095	
4/6/2020	<0.02	<0.02
9/28/2020	0.16	0.0092 (J)
3/11/2021	0.054	
3/12/2021		0.0028 (J)
9/21/2021	<0.02	<0.02
1/31/2022	<0.02	<0.02
8/30/2022	0.011 (J)	<0.02
1/31/2023	0.00457 (J)	<0.02
8/28/2023	0.00851 (J)	<0.02
1/23/2024	0.00392 (J)	<0.02
8/19/2024	0.00727 (J)	
8/21/2024		0.0123 (J)
1/27/2025		0.00538 (J)
1/28/2025	0.00891 (J)	
7/28/2025	0.00395 (J)	<0.02

ND substitution: RL or RL/2 if <15% NDs.

FIGURE J.

GRUMMAN ROAD LANDFILL 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		0.029	0.029
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0017	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.068	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.010	0.010
Combined Radium, Total (pCi/L)	5		10.85	10.85
Fluoride, Total (mg/L)	4		0.49	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.0098	0.1
Selenium, Total (mg/L)	0.05		0.044	0.05
Thallium, Total (mg/L)	0.002		0.002	0.002
Vanadium, Total (mg/L)	n/a		0.24	0.24
Zinc, Total (mg/L)	n/a		0.16	0.16

**Highlighted cells indicated Background is higher than MCLs*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

FIGURE K.

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests
All/Significant Results

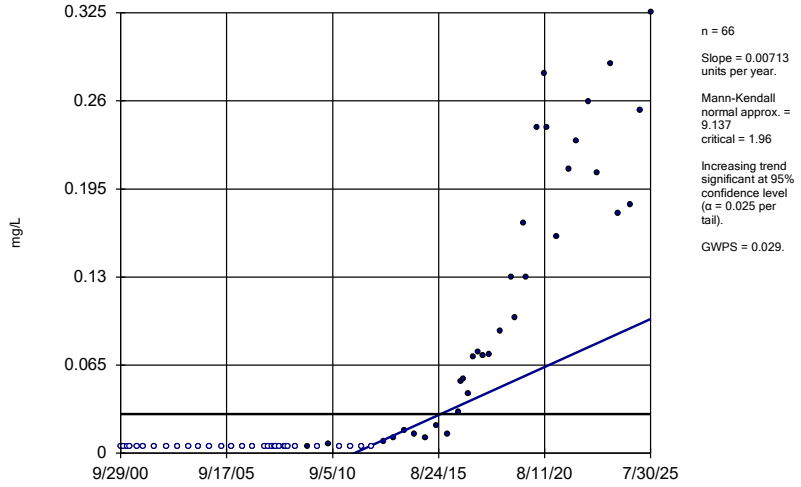
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:45 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.00713**	**9.137**	**1.96**	**Yes**	**66**	**46.97**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0**	**171**	**145**	**Yes**	**36**	**72.22**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01325**	**107**	**76**	**Yes**	**23**	**0**	**n/a**	**0.05**	**NP**

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-15



n = 66

Slope = 0.00713 units per year.

Mann-Kendall normal approx. = 9.137
critical = 1.96

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

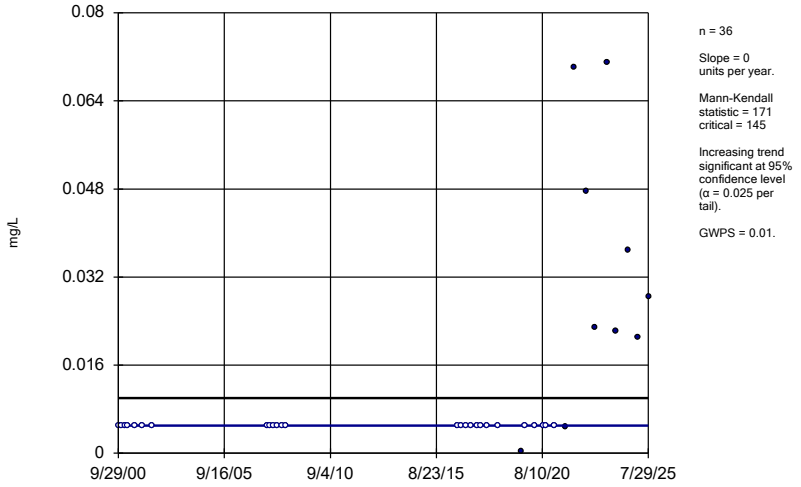
GWPS = 0.029.

Constituent: Arsenic Analysis Run 10/1/2025 11:44 AM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWB-6R



n = 36

Slope = 0
units per year.

Mann-Kendall statistic = 171
critical = 145

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

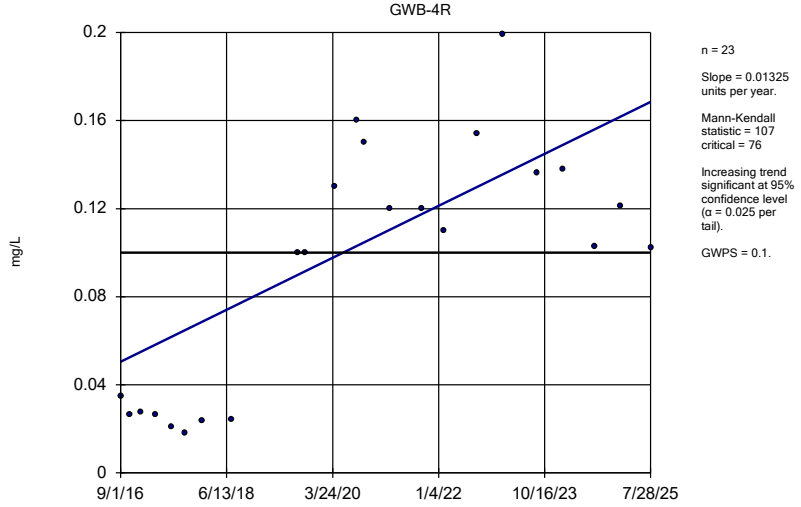
GWPS = 0.01.

Constituent: Cobalt Analysis Run 10/1/2025 11:44 AM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWB-4R



n = 23

Slope = 0.01325 units per year.

Mann-Kendall statistic = 107
critical = 76

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

GWPS = 0.1.

Constituent: Molybdenum Analysis Run 10/1/2025 11:44 AM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests - Truncated All Results (No Significant)

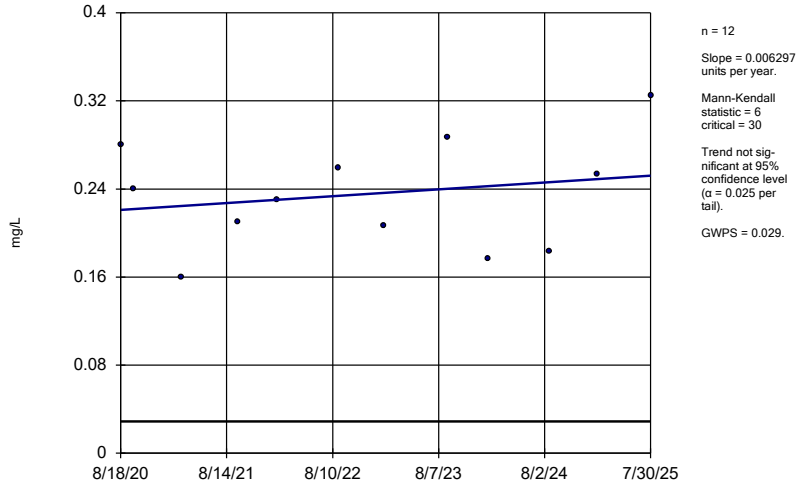
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:46 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	GWC-15	0.006297	6	30	No	12	0	n/a	0.05	NP
Cobalt (mg/L)	GWB-6R	-0.00992	-12	-17	No	8	0	n/a	0.05	NP
Molybdenum (mg/L)	GWB-4R	-0.006519	-23	-30	No	12	0	n/a	0.05	NP

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-15



n = 12

Slope = 0.006297 units per year.

Mann-Kendall statistic = 6
critical = 30

Trend not significant at 95% confidence level (α = 0.025 per tail).

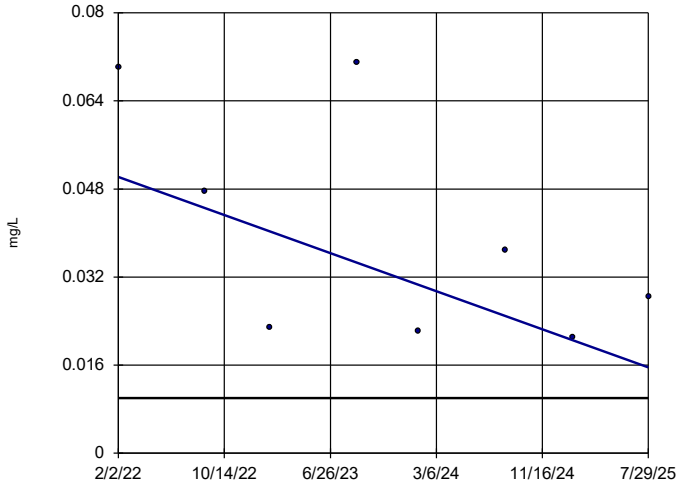
GWPS = 0.029.

Constituent: Arsenic Analysis Run 10/1/2025 11:45 AM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWB-6R



n = 8

Slope = -0.00992 units per year.

Mann-Kendall statistic = -12
critical = -17

Trend not significant at 95% confidence level (α = 0.025 per tail).

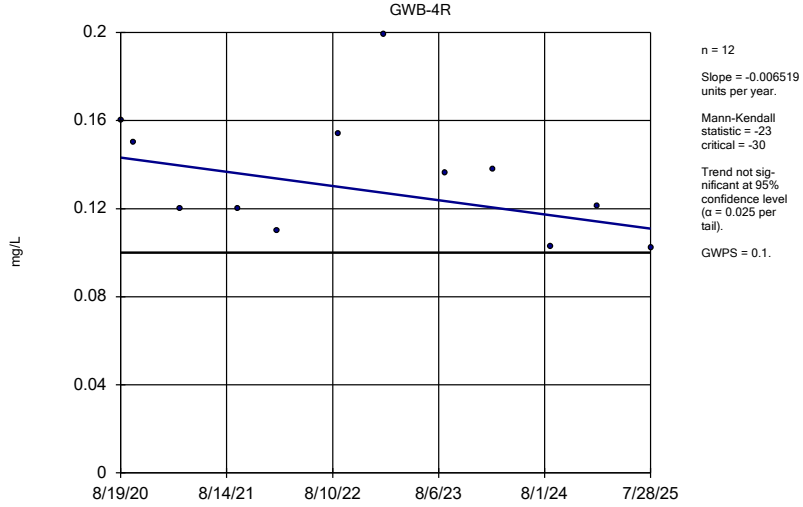
GWPS = 0.01.

Constituent: Cobalt Analysis Run 10/1/2025 11:45 AM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWB-4R



n = 12

Slope = -0.006519 units per year.

Mann-Kendall statistic = -23
critical = -30

Trend not significant at 95% confidence level (α = 0.025 per tail).

GWPS = 0.1.

Constituent: Molybdenum Analysis Run 10/1/2025 11:45 AM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE L.

Appendix II & IV - Confidence Intervals - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.273**	**0.1955**	**0.029**	**Yes**	**12**	**0.2343**	**0.04943**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.101**	**0.07159**	**0.029**	**Yes**	**28**	**0.08631**	**0.0315**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-20**	**0.366**	**0.2777**	**0.029**	**Yes**	**27**	**0.3219**	**0.09251**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**GWB-6R**	**0.06132**	**0.01988**	**0.01**	**Yes**	**8**	**0.03998**	**0.0208**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWB-4R**	**0.1565**	**0.1124**	**0.1**	**Yes**	**12**	**0.1344**	**0.02812**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-16**	**0.1832**	**0.1175**	**0.1**	**Yes**	**23**	**0.1504**	**0.06279**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-20**	**0.4691**	**0.2051**	**0.1**	**Yes**	**23**	**0.3371**	**0.2523**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	0.0003	0.006	No	27	0.0029	0.0005196	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-5R	0.003	0.0013	0.006	No	27	0.002746	0.0007465	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-6R	0.003	0.00059	0.006	No	27	0.00281	0.0006845	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-1	0.003	0.0016	0.006	No	27	0.002676	0.0008132	85.19	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-2	0.003	0.0016	0.006	No	27	0.002885	0.0004158	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-9	0.003	0.0016	0.006	No	27	0.002849	0.0005709	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-11	0.003	0.00066	0.006	No	27	0.002113	0.001182	62.96	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-12	0.003	0.0003	0.006	No	27	0.0029	0.0005196	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-13	0.003	0.0006	0.006	No	27	0.002911	0.0004619	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-15	0.003	0.0018	0.006	No	27	0.002956	0.0002309	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-17	0.003	0.00286	0.006	No	27	0.00275	0.000663	81.48	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-20	0.003	0.0019	0.006	No	27	0.002872	0.0004919	92.59	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-21	0.003	0.00033	0.006	No	27	0.002901	0.0005138	96.3	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-22	0.003	0.0022	0.006	No	27	0.002635	0.0008449	81.48	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWB-4R	0.003873	0.002289	0.029	No	27	0.003249	0.001876	7.407	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GWB-5R	0.002446	0.001342	0.029	No	27	0.002684	0.001757	18.52	Kaplan-Meier	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GWB-6R	0.004147	0.001986	0.029	No	27	0.007779	0.008648	18.52	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	GWC-1	0.006474	0.003088	0.029	No	27	0.006176	0.006197	0	None	ln(x)	0.01	Param.
Arsenic (mg/L)	GWC-2	0.005	0.00094	0.029	No	27	0.004516	0.001397	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-9	0.005	0.00084	0.029	No	27	0.004846	0.0008006	96.3	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-11	0.005	0.00254	0.029	No	27	0.004813	0.0006741	92.59	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-12	0.005	0.0016	0.029	No	27	0.004404	0.001465	85.19	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-13	0.005	0.0025	0.029	No	27	0.004581	0.001247	88.89	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-14	0.003	0.0019	0.029	No	28	0.002755	0.001285	21.43	None	No	0.01	NP (normality)
Arsenic (mg/L)	**GWC-15**	**0.273**	**0.1955**	**0.029**	**Yes**	**12**	**0.2343**	**0.04943**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.101**	**0.07159**	**0.029**	**Yes**	**28**	**0.08631**	**0.0315**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-17	0.005	0.0012	0.029	No	27	0.003251	0.001886	51.85	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**GWC-20**	**0.366**	**0.2777**	**0.029**	**Yes**	**27**	**0.3219**	**0.09251**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-21	0.02	0.0033	0.029	No	27	0.01097	0.01116	25.93	None	No	0.01	NP (normality)
Arsenic (mg/L)	GWC-22	0.005	0.0017	0.029	No	27	0.00362	0.001889	62.96	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-25D	0.005	0.005	0.029	No	11	0.004629	0.00123	90.91	None	No	0.006	NP (NDs)
Arsenic (mg/L)	MW-26D	0.005	0.001	0.029	No	7	0.003929	0.001835	71.43	None	No	0.008	NP (NDs)
Barium (mg/L)	GWB-4R	0.134	0.077	2	No	27	0.1096	0.04281	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWB-5R	0.1373	0.0919	2	No	27	0.1183	0.05222	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWB-6R	0.105	0.0197	2	No	27	0.05743	0.04124	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-1	0.05621	0.05079	2	No	27	0.0535	0.005683	0	None	No	0.01	Param.
Barium (mg/L)	GWC-2	0.0529	0.049	2	No	26	0.05185	0.006714	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-9	0.2224	0.1677	2	No	27	0.1981	0.06048	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-11	0.1286	0.08657	2	No	27	0.1076	0.04407	0	None	No	0.01	Param.
Barium (mg/L)	GWC-12	0.02267	0.01843	2	No	27	0.02073	0.004604	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-13	0.03684	0.02438	2	No	27	0.03206	0.01486	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	GWC-14	0.073	0.0274	2	No	28	0.04992	0.02927	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-15	0.05205	0.04321	2	No	27	0.04763	0.009275	0	None	No	0.01	Param.
Barium (mg/L)	GWC-16	0.1552	0.09324	2	No	28	0.1242	0.06632	0	None	No	0.01	Param.
Barium (mg/L)	GWC-17	0.07359	0.0391	2	No	27	0.06777	0.05276	0	None	ln(x)	0.01	Param.
Barium (mg/L)	GWC-20	0.2206	0.1231	2	No	27	0.1833	0.1104	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-21	0.1492	0.07694	2	No	27	0.1227	0.08042	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-22	0.0894	0.05547	2	No	27	0.07569	0.0396	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-23D	0.0765	0.0554	2	No	10	0.06712	0.00996	0	None	No	0.011	NP (normality)
Barium (mg/L)	MW-24D	0.03722	0.02596	2	No	10	0.03169	0.00695	0	None	ln(x)	0.01	Param.
Barium (mg/L)	MW-25D	0.02791	0.02323	2	No	10	0.02557	0.002623	0	None	No	0.01	Param.
Barium (mg/L)	MW-26D	0.037	0.026	2	No	7	0.02919	0.003644	0	None	No	0.008	NP (normality)
Beryllium (mg/L)	GWB-4R	0.0005	0.0004	0.004	No	23	0.0004087	0.0001676	73.91	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWB-5R	0.0005	0.0001	0.004	No	23	0.0003105	0.0001818	43.48	None	No	0.01	NP (normality)
Beryllium (mg/L)	GWB-6R	0.0005	0.00005	0.004	No	23	0.0004607	0.0001302	91.3	None	No	0.01	NP (NDs)

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-2	0.0005	0.0003	0.004	No	24	0.0004032	0.0001766	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-9	0.0002591	0.0002128	0.004	No	23	0.000236	0.00004423	13.04	None	No	0.01	Param.
Beryllium (mg/L)	GWC-11	0.0005	0.000047	0.004	No	23	0.0004803	0.00009446	95.65	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-12	0.000707	0.0005143	0.004	No	23	0.0006202	0.0001978	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	GWC-13	0.0005	0.000058	0.004	No	24	0.0004816	0.00009022	95.83	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-14	0.0005	0.0001	0.004	No	23	0.0004457	0.0001434	86.96	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-16	0.0005	0.00009	0.004	No	23	0.0003189	0.0002114	56.52	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-17	0.002316	0.001642	0.004	No	23	0.002063	0.0007682	0	None	ln(x)	0.01	Param.
Beryllium (mg/L)	GWC-22	0.0005	0.0002	0.004	No	23	0.0003842	0.0001814	69.57	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-25D	0.0005	0.0005	0.004	No	10	0.0004584	0.0001316	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	MW-26D	0.0005	0.000073	0.004	No	7	0.000323	0.0002209	57.14	None	No	0.008	NP (NDs)
Cadmium (mg/L)	GWB-4R	0.001	0.000304	0.005	No	23	0.000821	0.0003493	78.26	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-1	0.001	0.0001	0.005	No	24	0.0009238	0.0002584	91.67	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-11	0.0005604	0.0003295	0.005	No	23	0.000445	0.0002207	8.696	None	No	0.01	Param.
Cadmium (mg/L)	GWC-14	0.001	0.0002	0.005	No	23	0.0007474	0.0003911	69.57	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-20	0.001	0.000823	0.005	No	23	0.0008693	0.0002878	78.26	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-22	0.001	0.0002	0.005	No	23	0.0006543	0.0004119	56.52	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-23D	0.001	0.001	0.005	No	10	0.000927	0.0002308	90	None	No	0.011	NP (NDs)
Cadmium (mg/L)	MW-25D	0.001	0.001	0.005	No	10	0.000919	0.0002561	90	None	No	0.011	NP (NDs)
Cadmium (mg/L)	MW-26D	0.001	0.00029	0.005	No	7	0.0008437	0.000283	71.43	None	No	0.008	NP (NDs)
Chromium (mg/L)	GWB-4R	0.007179	0.003727	0.1	No	27	0.005906	0.003939	3.704	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	GWB-5R	0.01	0.0013	0.1	No	27	0.008432	0.01344	33.33	None	No	0.01	NP (normality)
Chromium (mg/L)	GWB-6R	0.005714	0.002645	0.1	No	27	0.004881	0.00443	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	GWC-1	0.0062	0.0018	0.1	No	27	0.004003	0.003391	22.22	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-2	0.01	0.001	0.1	No	27	0.007264	0.004298	70.37	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-9	0.01	0.0012	0.1	No	27	0.005803	0.004448	51.85	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-11	0.01	0.00094	0.1	No	27	0.005966	0.004585	51.85	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-12	0.01	0.0011	0.1	No	27	0.004801	0.004409	40.74	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-13	0.01	0.0011	0.1	No	27	0.006973	0.004368	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-14	0.01	0.0009	0.1	No	28	0.006095	0.004595	57.14	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-15	0.01	0.0014	0.1	No	27	0.0056	0.004337	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-16	0.01	0.0011	0.1	No	28	0.006167	0.004511	53.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-17	0.01	0.0011	0.1	No	27	0.005537	0.004464	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-20	0.01	0.0011	0.1	No	27	0.005597	0.004411	48.15	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-21	0.01	0.00075	0.1	No	27	0.006564	0.004566	59.26	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-22	0.01	0.00064	0.1	No	27	0.006866	0.004517	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-24D	0.01	0.01	0.1	No	10	0.009069	0.002944	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-25D	0.01	0.01	0.1	No	10	0.00916	0.002656	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	MW-26D	0.01	0.002	0.1	No	7	0.008857	0.003024	85.71	None	No	0.008	NP (NDs)
Cobalt (mg/L)	GWB-4R	0.00252	0.0009	0.01	No	23	0.003262	0.004119	8.696	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWB-5R	0.003487	0.00109	0.01	No	24	0.006082	0.008857	29.17	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	**GWB-6R**	**0.06132**	**0.01988**	**0.01**	**Yes**	**8**	**0.03998**	**0.0208**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	GWC-2	0.001	0.00036	0.01	No	24	0.0008908	0.0002618	79.17	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-9	0.0016	0.000944	0.01	No	23	0.001211	0.0003935	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWC-11	0.001	0.00055	0.01	No	23	0.0008351	0.0002517	56.52	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-12	0.001079	0.0007493	0.01	No	23	0.0009327	0.0003396	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	GWC-14	0.001	0.0003	0.01	No	23	0.0009696	0.000146	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-17	0.0061	0.00242	0.01	No	23	0.00386	0.00193	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWC-22	0.001	0.0009	0.01	No	23	0.0009264	0.0001583	65.22	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GWB-4R	4.97	3.254	10.85	No	23	4.112	1.641	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-5R	4.072	2.557	10.85	No	23	3.315	1.448	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-6R	5.994	3.579	10.85	No	23	4.787	2.308	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-1	2.302	1.546	10.85	No	23	1.924	0.7225	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-2	1.372	0.7543	10.85	No	23	1.12	0.6395	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-9	3.405	2.108	10.85	No	23	2.853	1.431	0	None	sqrt(x)	0.01	Param.

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	GWC-11	6.346	3.849	10.85	No	23	5.098	2.388	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-12	2.654	1.773	10.85	No	23	2.214	0.8424	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-13	2.001	1.022	10.85	No	23	1.613	1.132	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-14	1.32	0.7515	10.85	No	23	1.036	0.5432	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-15	2.037	1.266	10.85	No	23	1.652	0.7369	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-16	3.22	2.142	10.85	No	23	2.681	1.03	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-17	3.488	2.322	10.85	No	23	2.905	1.115	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-20	4.507	2.613	10.85	No	23	3.56	1.811	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-21	3.432	1.802	10.85	No	23	2.617	1.559	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-22	6.854	3.887	10.85	No	23	5.37	2.837	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-23D	2.652	0.9303	10.85	No	10	1.791	0.9651	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-24D	2.888	0.8603	10.85	No	10	1.874	1.136	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-25D	2.122	0.5587	10.85	No	10	1.341	0.8763	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-26D	2.229	0.4217	10.85	No	7	1.325	0.7607	0	None	No	0.01	Param.
Fluoride (mg/L)	GWB-4R	0.2	0.17	4	No	26	0.2158	0.2133	69.23	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-5R	0.1	0.0546	4	No	26	0.08673	0.03592	53.85	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-6R	0.2	0.09	4	No	25	0.1609	0.06761	52	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-1	0.18	0.0596	4	No	25	0.102	0.03436	80	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-2	0.1	0.07	4	No	25	0.1094	0.1097	56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-9	0.1815	0.08692	4	No	25	0.1747	0.199	8	None	ln(x)	0.01	Param.
Fluoride (mg/L)	GWC-12	0.5347	0.2335	4	No	25	0.4281	0.3546	4	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-13	0.1	0.09	4	No	25	0.1094	0.09376	76	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-14	0.13	0.1	4	No	25	0.1512	0.1113	76	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-15	0.13	0.1	4	No	25	0.1224	0.08338	80	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-16	0.11	0.1	4	No	25	0.1571	0.1808	64	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-17	0.9874	0.5197	4	No	25	0.8068	0.5081	4	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-20	0.5	0.269	4	No	25	0.4072	0.1743	76	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-21	0.1	0.071	4	No	25	0.09884	0.0058	96	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-22	0.1	0.1	4	No	25	0.09276	0.0213	68	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-23D	0.08091	0.03477	4	No	11	0.08093	0.03096	45.45	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	MW-24D	0.1	0.037	4	No	11	0.08765	0.03426	63.64	Kaplan-Meier	No	0.006	NP (NDs)
Fluoride (mg/L)	MW-25D	0.1792	0.1032	4	No	11	0.1412	0.04562	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-26D	0.1	0.0444	4	No	8	0.0861	0.02574	75	None	No	0.004	NP (NDs)
Lead (mg/L)	GWB-4R	0.002633	0.0006847	0.015	No	26	0.002961	0.002464	42.31	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	GWB-5R	0.002	0.0003	0.015	No	27	0.001339	0.0008558	51.85	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWB-6R	0.002	0.0003	0.015	No	27	0.001314	0.000864	59.26	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-1	0.002	0.00012	0.015	No	27	0.001717	0.0006913	85.19	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-2	0.002	0.0003	0.015	No	27	0.001588	0.0007861	77.78	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-9	0.002	0.0002	0.015	No	27	0.001393	0.0008818	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-11	0.002	0.00028	0.015	No	27	0.0009707	0.0008723	40.74	None	No	0.01	NP (normality)
Lead (mg/L)	GWC-12	0.002	0.0001	0.015	No	27	0.001219	0.001033	51.85	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-13	0.002	0.0002	0.015	No	27	0.001244	0.0008499	51.85	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-14	0.002	0.00051	0.015	No	28	0.001743	0.0006461	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-15	0.002	0.0002	0.015	No	27	0.001316	0.000911	62.96	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-16	0.002	0.00017	0.015	No	28	0.001202	0.0009387	57.14	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-17	0.002	0.00019	0.015	No	27	0.001471	0.0008429	70.37	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-20	0.002	0.0002	0.015	No	27	0.001652	0.0007434	81.48	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-21	0.002	0.00018	0.015	No	27	0.001445	0.0008725	70.37	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-22	0.002	0.00032	0.015	No	27	0.001103	0.0008374	33.33	None	No	0.01	NP (normality)
Lead (mg/L)	MW-23D	0.002	0.002	0.015	No	10	0.001806	0.0006144	90	None	No	0.011	NP (NDs)
Lead (mg/L)	MW-24D	0.002	0.002	0.015	No	10	0.001809	0.0006027	90	None	No	0.011	NP (NDs)
Lead (mg/L)	MW-25D	0.002	0.002	0.015	No	10	0.00181	0.0006024	90	None	No	0.011	NP (NDs)
Lead (mg/L)	MW-26D	0.002	0.00015	0.015	No	7	0.001736	0.0006992	85.71	None	No	0.008	NP (NDs)
Lithium (mg/L)	GWB-4R	0.01613	0.009214	0.04	No	23	0.01267	0.006615	0	None	No	0.01	Param.
Lithium (mg/L)	GWB-5R	0.01	0.005	0.04	No	23	0.008113	0.002971	69.57	None	No	0.01	NP (NDs)

Appendix II & IV - Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	GWC-9	0.01	0.0018	0.04	No	22	0.004482	0.003862	31.82	None	No	0.01	NP (normality)
Lithium (mg/L)	GWC-12	0.01	0.00095	0.04	No	23	0.006078	0.004573	56.52	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-13	0.01	0.00087	0.04	No	23	0.009202	0.002645	91.3	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-17	0.006336	0.005085	0.04	No	23	0.00571	0.001195	0	None	No	0.01	Param.
Mercury (mg/L)	GWB-4R	0.000287	0.0001	0.002	No	20	0.0002061	0.00008013	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-5R	0.0002	0.000135	0.002	No	21	0.0001868	0.00003414	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-6R	0.0002	0.0001	0.002	No	20	0.0001871	0.00004062	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-1	0.000274	0.0001	0.002	No	20	0.0001907	0.00004551	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-2	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-9	0.0002	0.00011	0.002	No	20	0.0001827	0.00004333	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-11	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-12	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-13	0.0002	0.00013	0.002	No	20	0.0001915	0.00002661	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-14	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-15	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-16	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-17	0.000349	0.000172	0.002	No	20	0.0002015	0.00004042	85	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-20	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-21	0.0002	0.00011	0.002	No	20	0.0001955	0.00002012	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-22	0.0002	0.0001	0.002	No	20	0.000195	0.00002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-23D	0.0002	0.00011	0.002	No	9	0.00019	0.00003	88.89	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-24D	0.000222	0.0001	0.002	No	9	0.0001913	0.00003501	77.78	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-25D	0.000333	0.0001	0.002	No	9	0.0002037	0.0000587	77.78	None	No	0.002	NP (NDs)
Mercury (mg/L)	MW-26D	0.0002	0.0001	0.002	No	6	0.0001833	0.00004082	83.33	None	No	0.0155	NP (NDs)
Molybdenum (mg/L)	**GWB-4R**	**0.1565**	**0.1124**	**0.1**	**Yes**	**12**	**0.1344**	**0.02812**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWB-5R	0.0012	0.00069	0.1	No	23	0.0009597	0.0003201	73.91	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWB-6R	0.01	0.000649	0.1	No	23	0.005235	0.004685	47.83	None	No	0.01	NP (normality)
Molybdenum (mg/L)	GWC-1	0.1079	0.04921	0.1	No	24	0.08614	0.06368	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	GWC-2	0.001	0.000312	0.1	No	24	0.0009713	0.0001404	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-11	0.01	0.000613	0.1	No	23	0.006371	0.004635	60.87	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-12	0.001	0.000205	0.1	No	23	0.0009654	0.0001658	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-13	0.0056	0.001	0.1	No	23	0.0012	0.0009592	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-14	0.01637	0.007243	0.1	No	23	0.01181	0.008725	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-15	0.1013	0.07762	0.1	No	23	0.08947	0.02266	0	None	No	0.01	Param.
Molybdenum (mg/L)	**GWC-16**	**0.1832**	**0.1175**	**0.1**	**Yes**	**23**	**0.1504**	**0.06279**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-17	0.01	0.00353	0.1	No	23	0.00581	0.003251	34.78	None	No	0.01	NP (normality)
Molybdenum (mg/L)	**GWC-20**	**0.4691**	**0.2051**	**0.1**	**Yes**	**23**	**0.3371**	**0.2523**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-21	0.05212	0.02543	0.1	No	23	0.03877	0.02552	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-22	0.00364	0.000334	0.1	No	23	0.001086	0.0005738	91.3	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-23D	0.001	0.001	0.1	No	11	0.0009462	0.0001785	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	MW-24D	0.002318	0.0008073	0.1	No	11	0.001593	0.001007	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-25D	0.0011	0.000863	0.1	No	11	0.0009745	0.000287	63.64	None	No	0.006	NP (NDs)
Selenium (mg/L)	GWB-4R	0.003862	0.002846	0.05	No	27	0.003991	0.001199	33.33	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	GWB-5R	0.005	0.00485	0.05	No	27	0.004713	0.001164	74.07	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	GWB-6R	0.01	0.00223	0.05	No	27	0.005945	0.003843	44.44	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-1	0.00252	0.0018	0.05	No	27	0.003117	0.004107	7.407	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-2	0.005	0.0035	0.05	No	27	0.004833	0.0006355	92.59	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-11	0.006514	0.003425	0.05	No	27	0.006101	0.005491	14.81	None	ln(x)	0.01	Param.
Selenium (mg/L)	GWC-12	0.005	0.003	0.05	No	27	0.004607	0.0009747	85.19	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-14	0.004259	0.003156	0.05	No	28	0.003707	0.00118	3.571	None	No	0.01	Param.
Selenium (mg/L)	GWC-15	0.004417	0.002297	0.05	No	27	0.004928	0.00262	48.15	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	GWC-16	0.004746	0.003124	0.05	No	28	0.003935	0.001735	10.71	None	No	0.01	Param.
Selenium (mg/L)	GWC-17	0.005	0.0018	0.05	No	27	0.003799	0.001682	62.96	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-20	0.005	0.00209	0.05	No	27	0.003995	0.001559	66.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-21	0.01569	0.008228	0.05	No	27	0.01293	0.00843	0	None	sqrt(x)	0.01	Param.

Appendix II & IV - Confidence Intervals - All Results

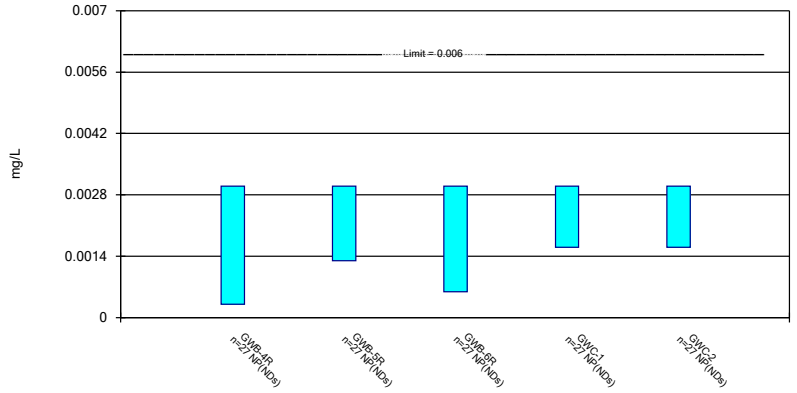
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 11:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-22	0.005	0.0023	0.05	No	27	0.004515	0.001205	85.19	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-4R	0.002	0.00007	0.002	No	23	0.001832	0.000556	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-5R	0.002	0.00031	0.002	No	23	0.001842	0.0005247	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-1	0.002	0.000054	0.002	No	24	0.001757	0.0006579	87.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-2	0.002	0.00011	0.002	No	24	0.001921	0.0003858	95.83	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-11	0.002	0.00019	0.002	No	23	0.001353	0.0009066	65.22	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-12	0.002	0.0002	0.002	No	23	0.001369	0.0008845	65.22	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-14	0.002	0.00007	0.002	No	23	0.001832	0.0005575	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-16	0.002	0.00006	0.002	No	23	0.001831	0.0005604	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-17	0.002	0.0001	0.002	No	23	0.0015	0.0008607	73.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-21	0.002	0.00005	0.002	No	23	0.001915	0.0004066	95.65	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-22	0.002	0.00017	0.002	No	23	0.001586	0.0008031	78.26	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWB-4R	0.02626	0.01039	0.24	No	22	0.01832	0.01478	4.545	None	No	0.01	Param.
Vanadium (mg/L)	GWB-5R	0.01291	0.005419	0.24	No	22	0.0121	0.01342	4.545	None	ln(x)	0.01	Param.
Vanadium (mg/L)	GWB-6R	0.02736	0.01114	0.24	No	22	0.02236	0.02113	0	None	x^(1/3)	0.01	Param.
Vanadium (mg/L)	GWC-1	0.00637	0.003686	0.24	No	22	0.008279	0.006142	18.18	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-2	0.02	0.00777	0.24	No	22	0.01728	0.005975	81.82	Kaplan-Meier	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-9	0.02	0.0103	0.24	No	22	0.01645	0.006883	77.27	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-11	0.00641	0.0023	0.24	No	22	0.006257	0.006761	18.18	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-12	0.007049	0.004559	0.24	No	22	0.005804	0.002319	9.091	None	No	0.01	Param.
Vanadium (mg/L)	GWC-13	0.02	0.00361	0.24	No	22	0.01397	0.008205	59.09	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-14	0.01293	0.006592	0.24	No	25	0.01052	0.007059	12	None	sqrt(x)	0.01	Param.
Vanadium (mg/L)	GWC-15	0.003598	0.002339	0.24	No	24	0.004904	0.003198	25	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-16	0.00575	0.0028	0.24	No	25	0.01114	0.01735	16	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-17	0.02	0.0031	0.24	No	22	0.01065	0.008167	40.91	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-20	0.00768	0.0028	0.24	No	24	0.005426	0.002908	20.83	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-21	0.005342	0.003174	0.24	No	22	0.005542	0.00293	18.18	Kaplan-Meier	sqrt(x)	0.01	Param.
Vanadium (mg/L)	GWC-22	0.02	0.00394	0.24	No	22	0.01381	0.009688	54.55	None	No	0.01	NP (NDs)
Vanadium (mg/L)	MW-24D	0.02	0.02	0.24	No	10	0.01841	0.005015	90	None	No	0.011	NP (NDs)
Vanadium (mg/L)	MW-25D	0.02	0.02	0.24	No	10	0.01824	0.005566	90	None	No	0.011	NP (NDs)
Zinc (mg/L)	GWB-4R	0.008105	0.004887	0.16	No	22	0.01182	0.006757	36.36	Kaplan-Meier	ln(x)	0.01	Param.
Zinc (mg/L)	GWB-5R	0.02	0.0081	0.16	No	22	0.017	0.006607	81.82	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWB-6R	0.01303	0.004145	0.16	No	22	0.0128	0.00964	40.91	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	GWC-1	0.02	0.00917	0.16	No	22	0.01539	0.007103	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-2	0.02	0.0125	0.16	No	22	0.0175	0.0112	68.18	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-9	0.02	0.0033	0.16	No	22	0.01234	0.00839	40.91	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-11	0.02	0.0061	0.16	No	22	0.01645	0.008947	68.18	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-12	0.02	0.0026	0.16	No	22	0.01069	0.008728	36.36	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-13	0.02838	0.01176	0.16	No	22	0.02007	0.01548	0	None	No	0.01	Param.
Zinc (mg/L)	GWC-14	0.02	0.01	0.16	No	25	0.01758	0.005799	84	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-15	0.032	0.0051	0.16	No	24	0.01921	0.005144	87.5	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-16	0.02	0.01	0.16	No	25	0.01515	0.007527	68	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-17	0.0107	0.006724	0.16	No	22	0.008714	0.003707	9.091	None	No	0.01	Param.
Zinc (mg/L)	GWC-20	0.02	0.0171	0.16	No	24	0.01842	0.005816	79.17	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-21	0.02	0.0096	0.16	No	22	0.01591	0.007076	72.73	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-22	0.02	0.006	0.16	No	22	0.01401	0.007038	50	None	No	0.01	NP (normality)
Zinc (mg/L)	MW-23D	0.02	0.00452	0.16	No	10	0.01378	0.006993	50	None	No	0.011	NP (normality)
Zinc (mg/L)	MW-24D	0.02	0.0102	0.16	No	10	0.01727	0.006035	80	None	No	0.011	NP (NDs)
Zinc (mg/L)	MW-25D	0.02282	0.005571	0.16	No	10	0.01931	0.01243	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	MW-26D	0.03081	0.004533	0.16	No	7	0.01824	0.01144	28.57	Kaplan-Meier	No	0.01	Param.

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

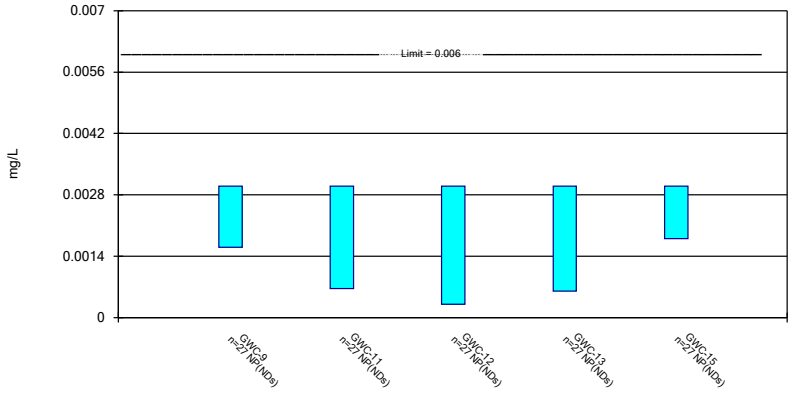


Constituent: Antimony Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

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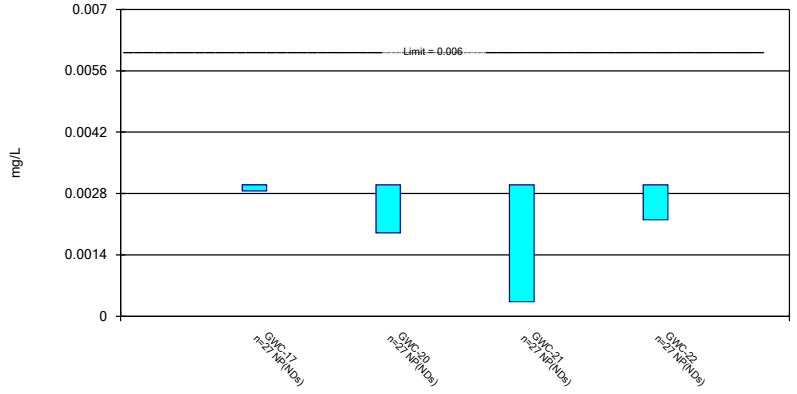


Constituent: Antimony Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

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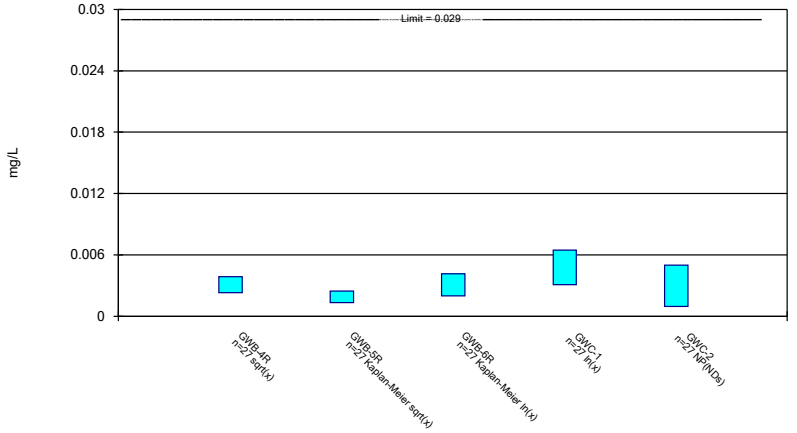


Constituent: Antimony Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

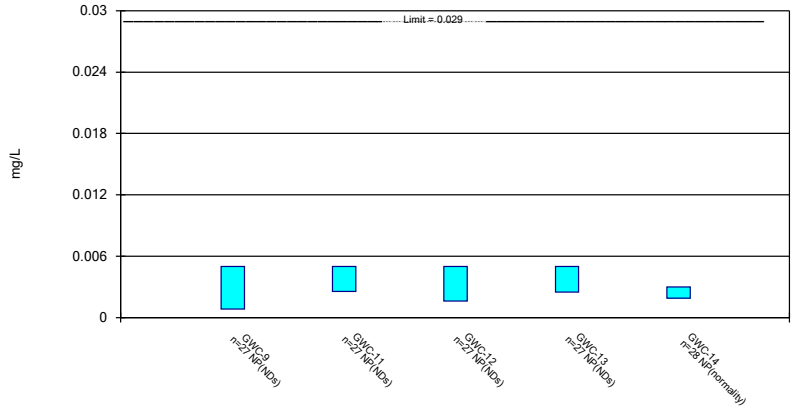


Constituent: Arsenic Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

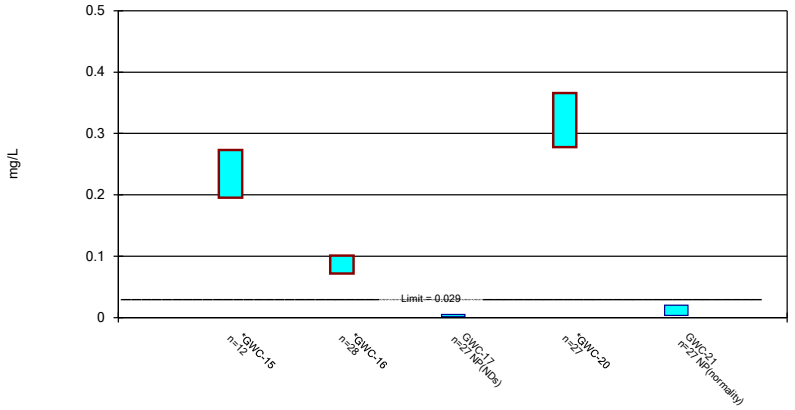


Constituent: Arsenic Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

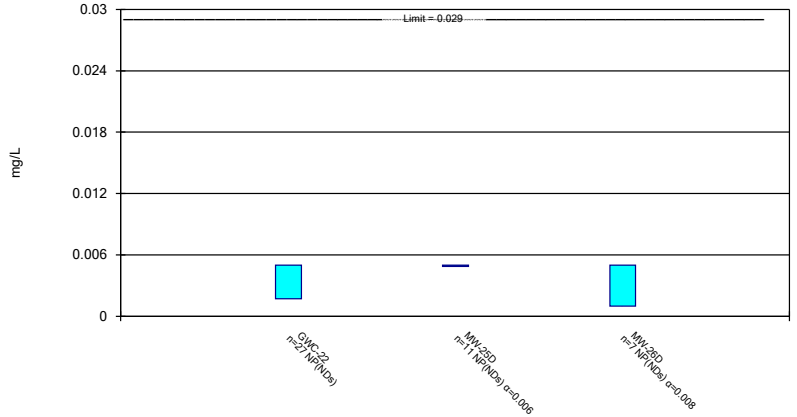


Constituent: Arsenic Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

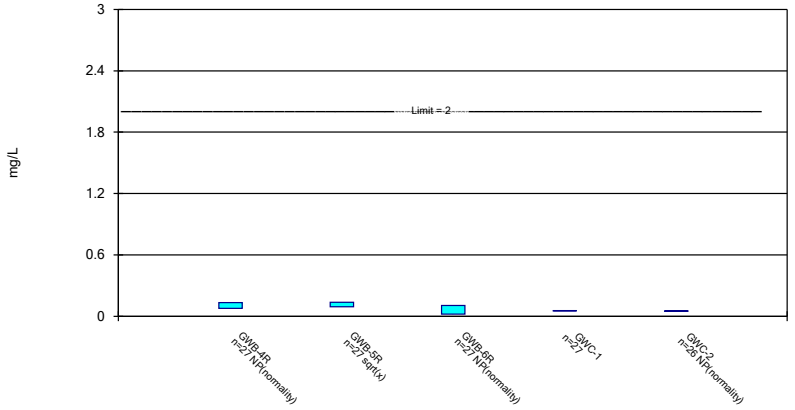


Constituent: Arsenic Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

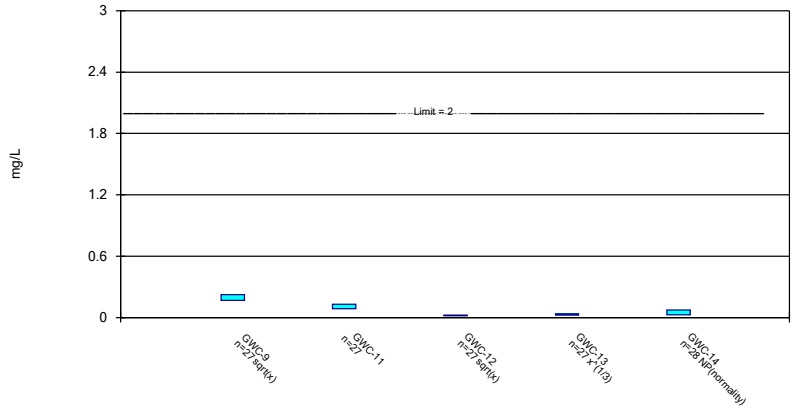


Constituent: Barium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

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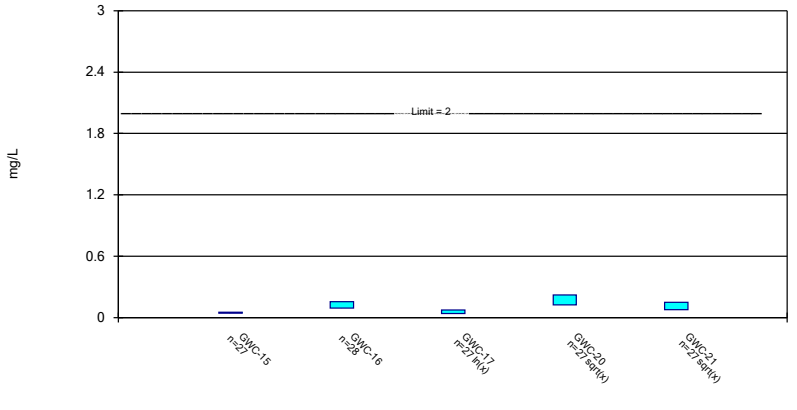


Constituent: Barium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric Confidence Interval

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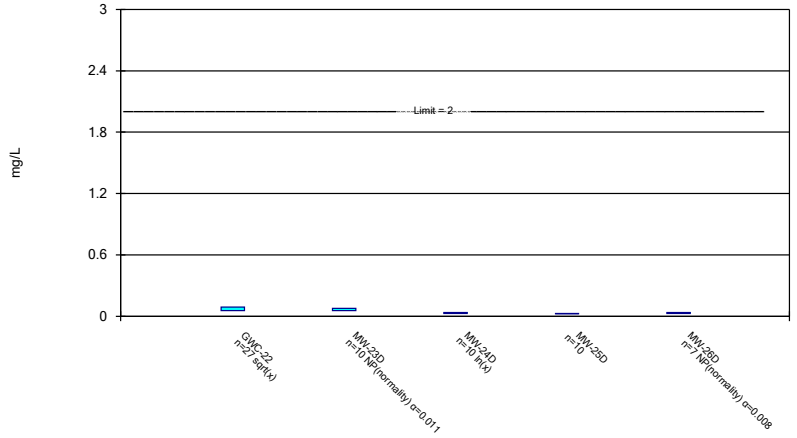


Constituent: Barium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

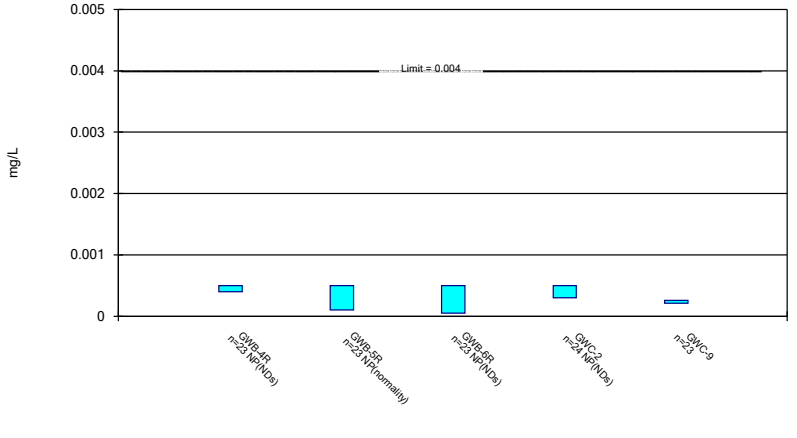


Constituent: Barium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

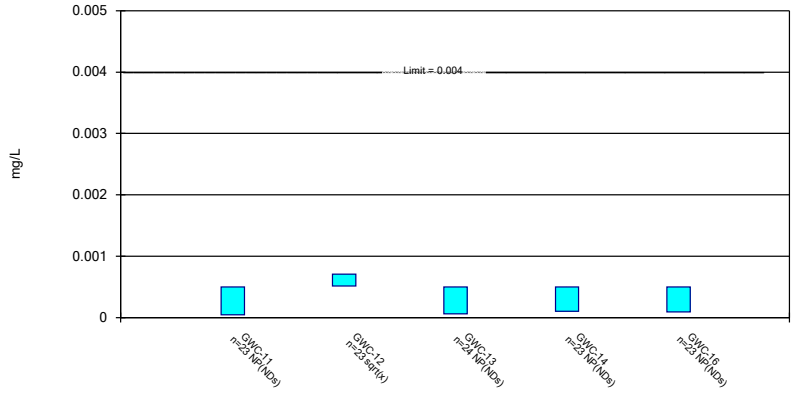


Constituent: Beryllium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

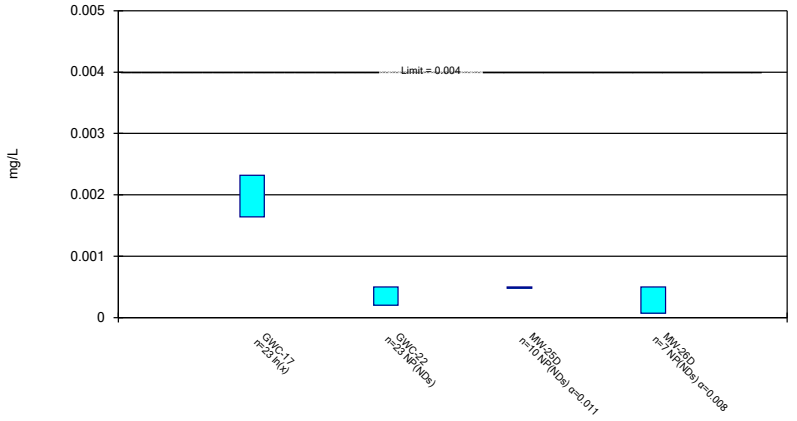


Constituent: Beryllium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

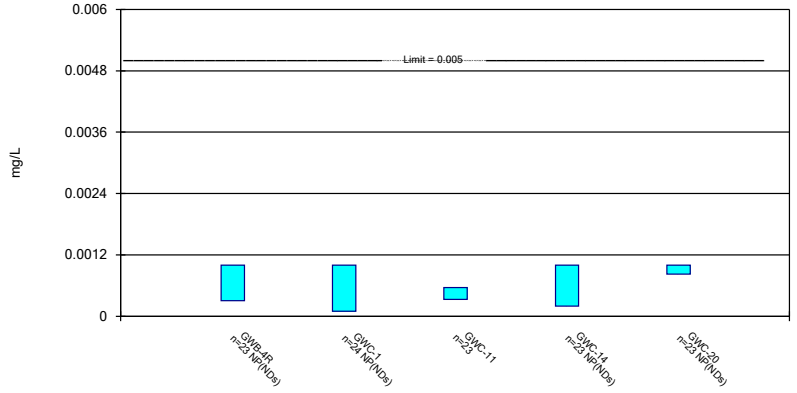


Constituent: Beryllium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

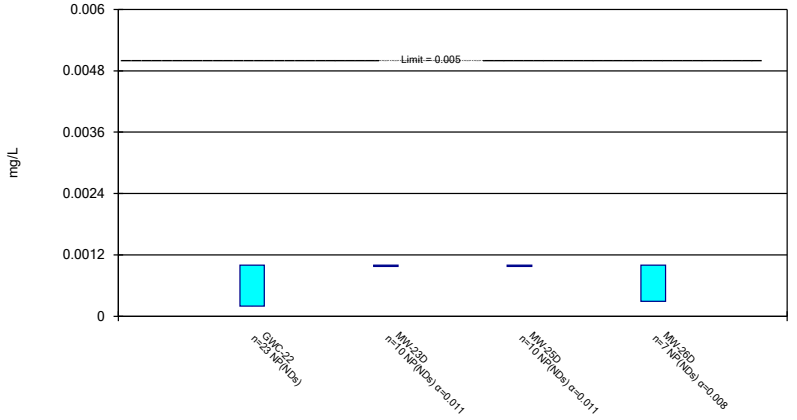


Constituent: Cadmium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

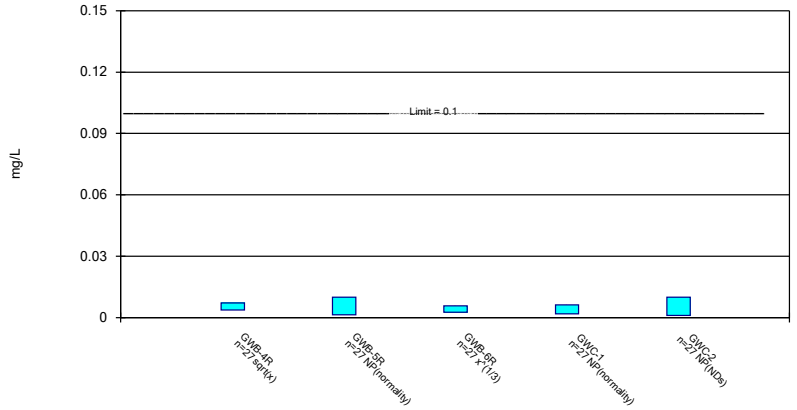


Constituent: Cadmium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

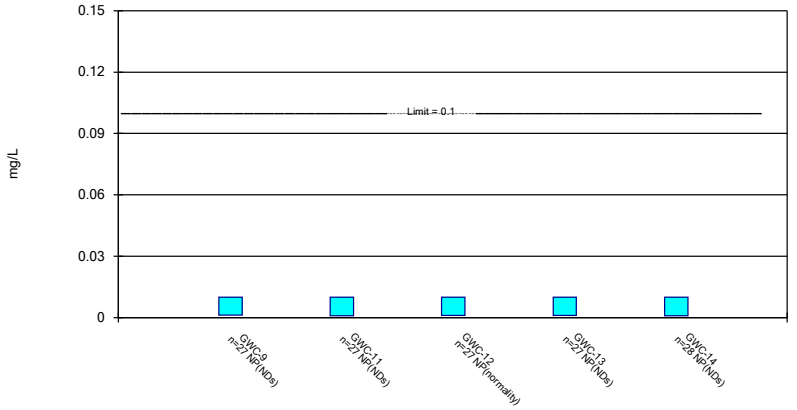


Constituent: Chromium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

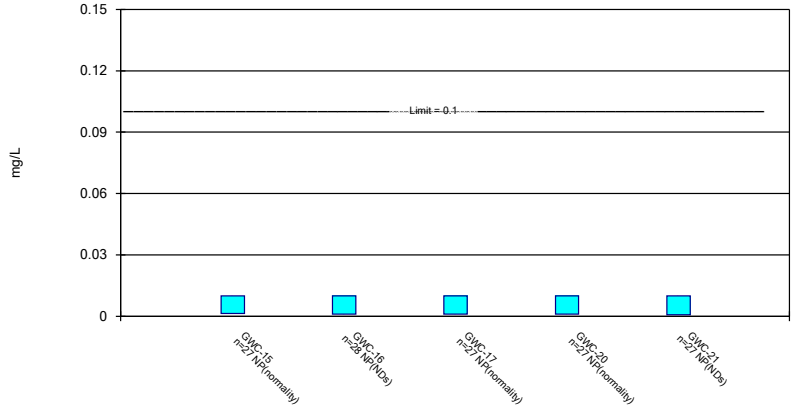


Constituent: Chromium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

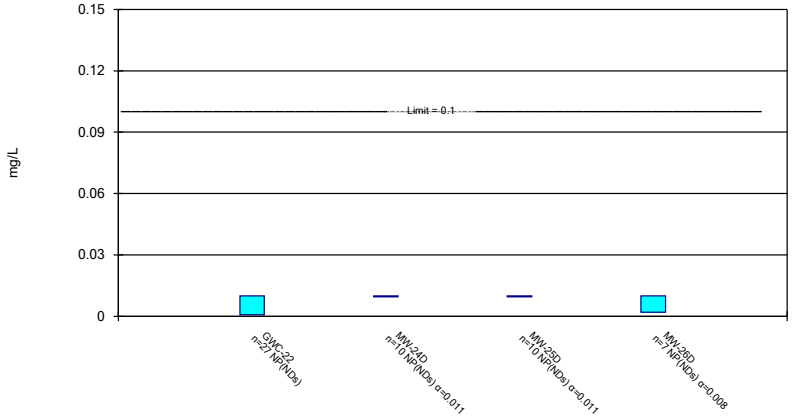


Constituent: Chromium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

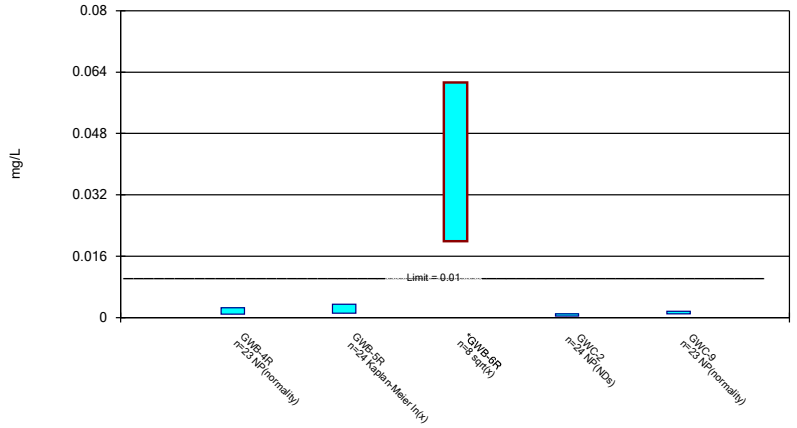


Constituent: Chromium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

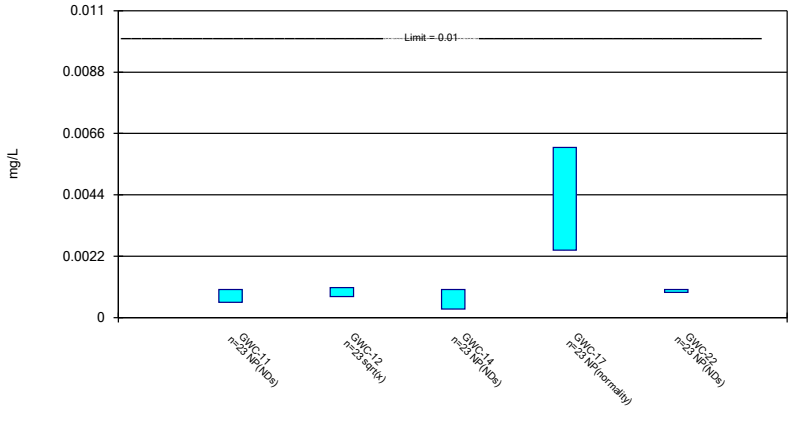


Constituent: Cobalt Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

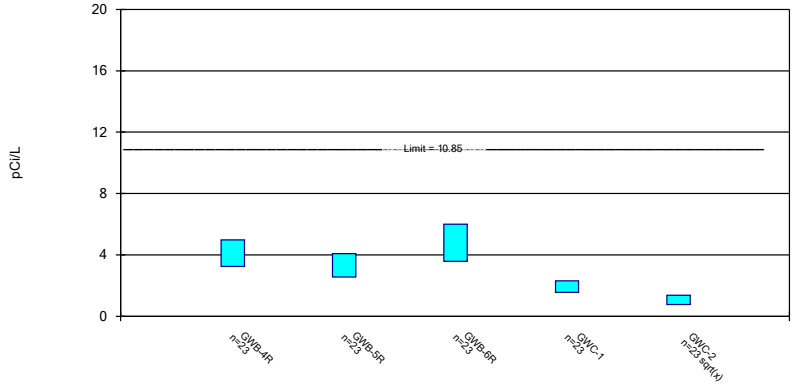


Constituent: Cobalt Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

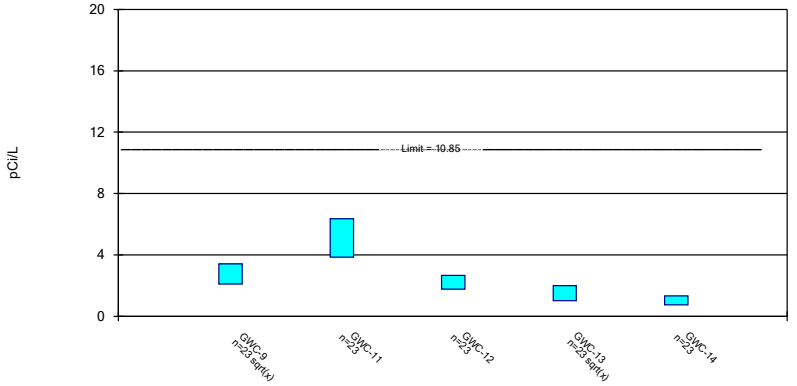


Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

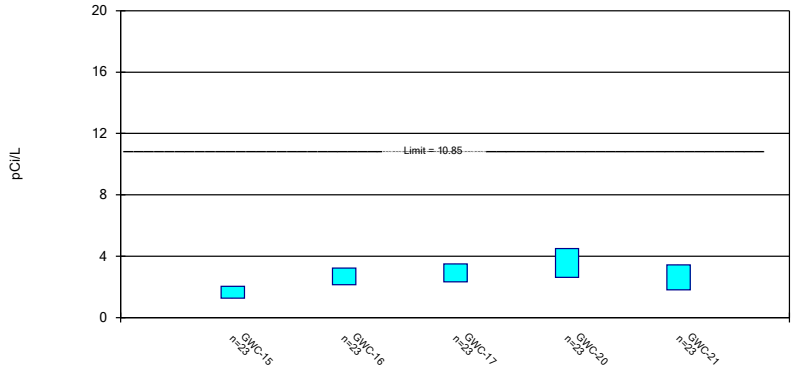


Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

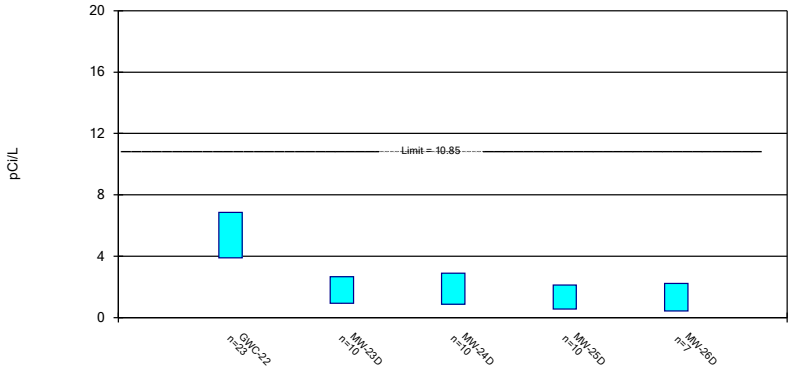


Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

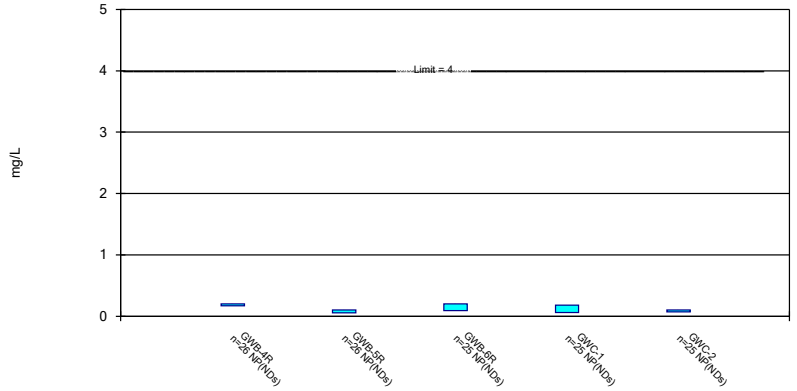


Constituent: Combined Radium 226 + 228 Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

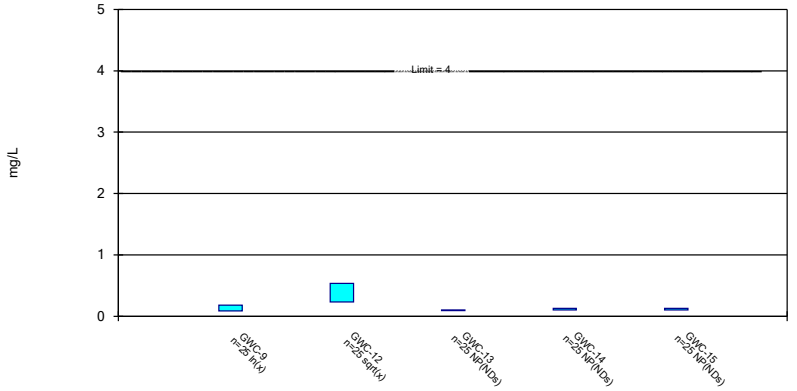


Constituent: Fluoride Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

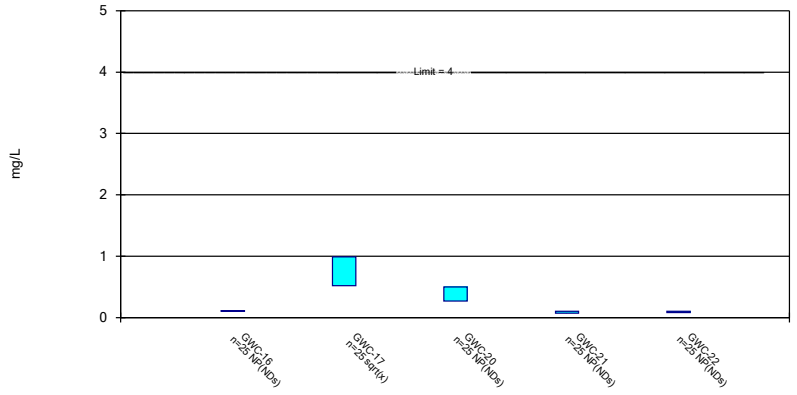


Constituent: Fluoride Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

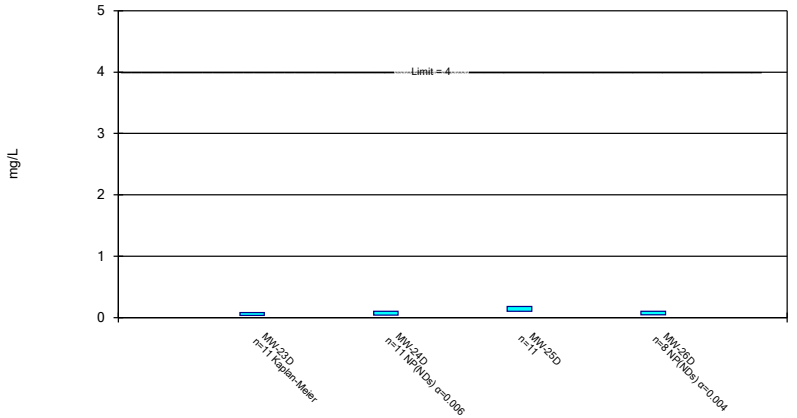


Constituent: Fluoride Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

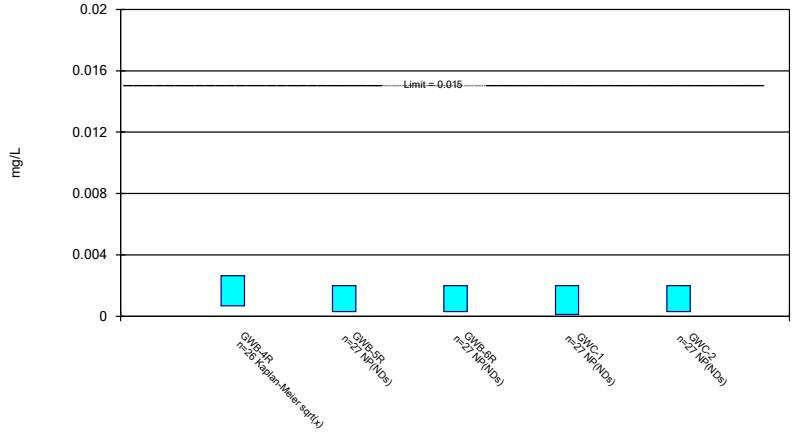


Constituent: Fluoride Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

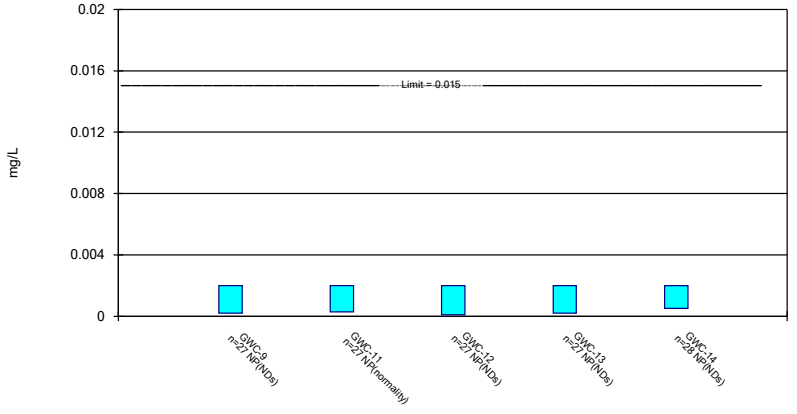


Constituent: Lead Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

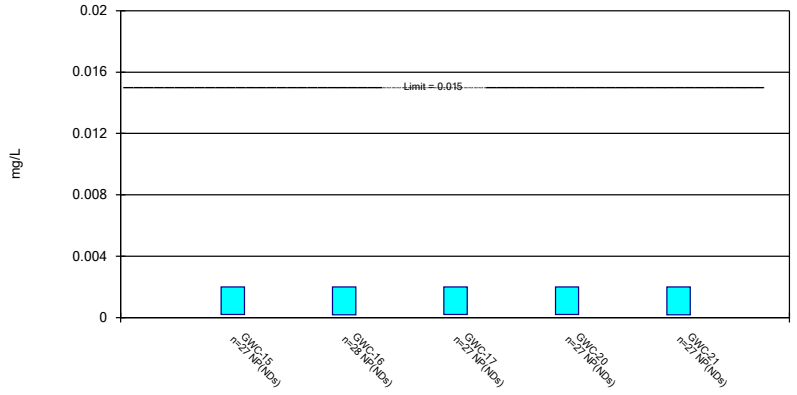


Constituent: Lead Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

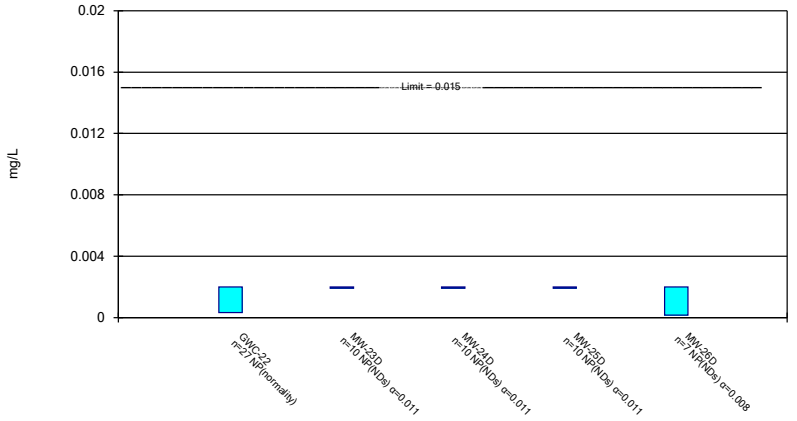


Constituent: Lead Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

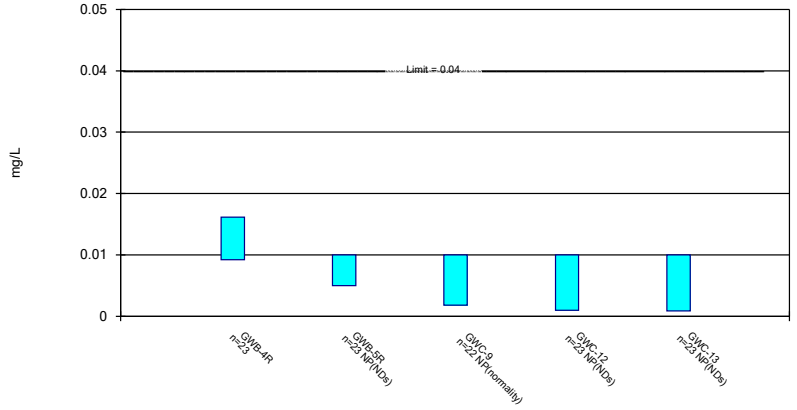


Constituent: Lead Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

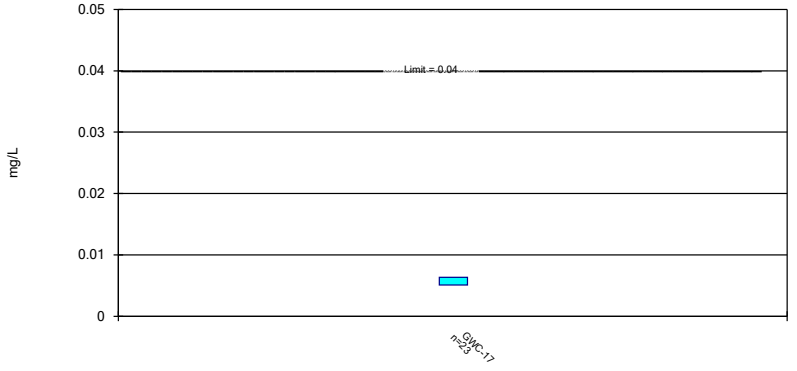


Constituent: Lithium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

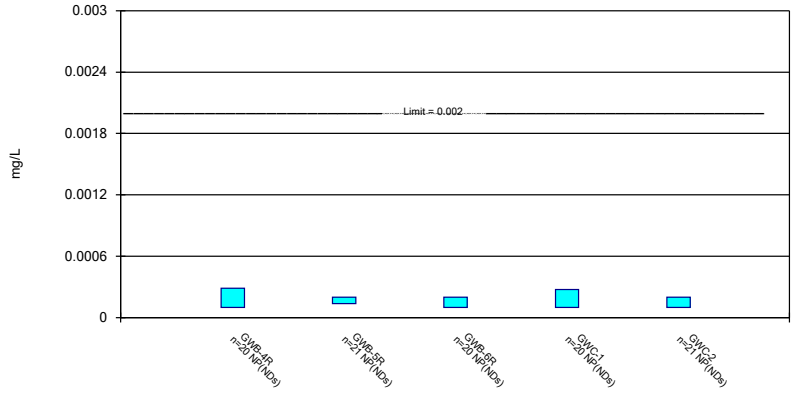


Constituent: Lithium Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

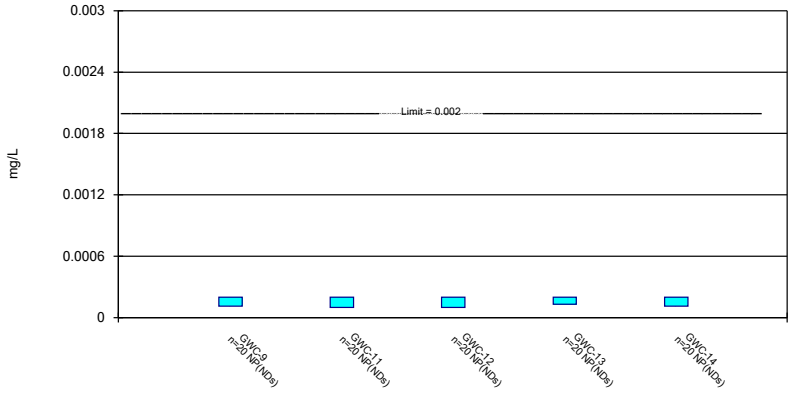


Constituent: Mercury Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

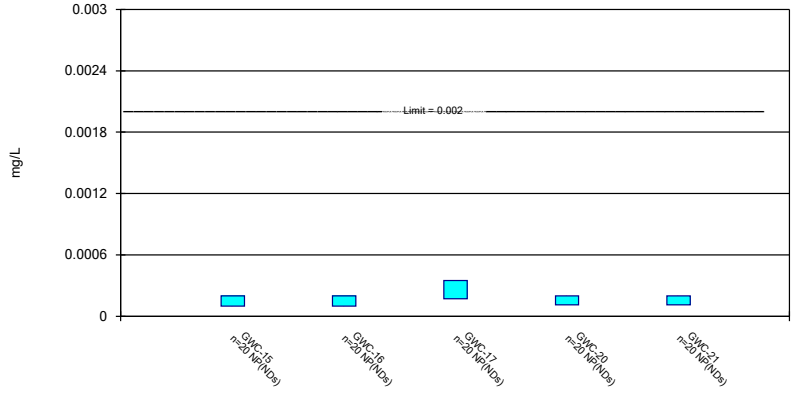


Constituent: Mercury Analysis Run 10/1/2025 11:28 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

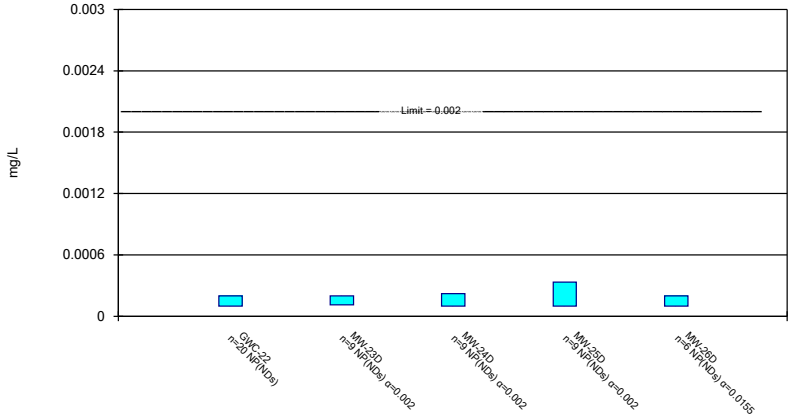


Constituent: Mercury Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

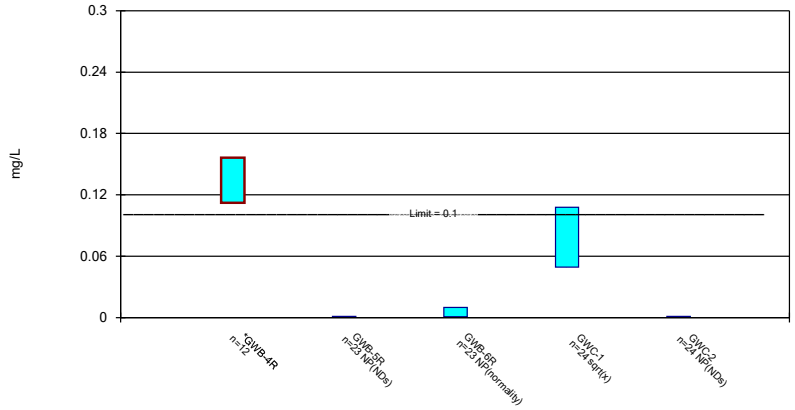


Constituent: Mercury Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

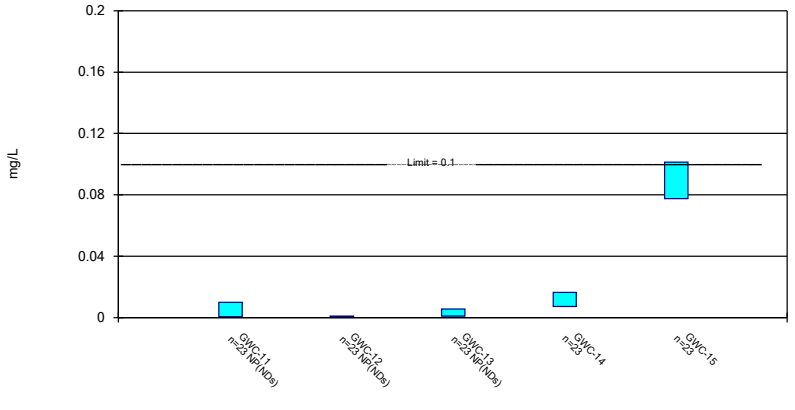


Constituent: Molybdenum Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

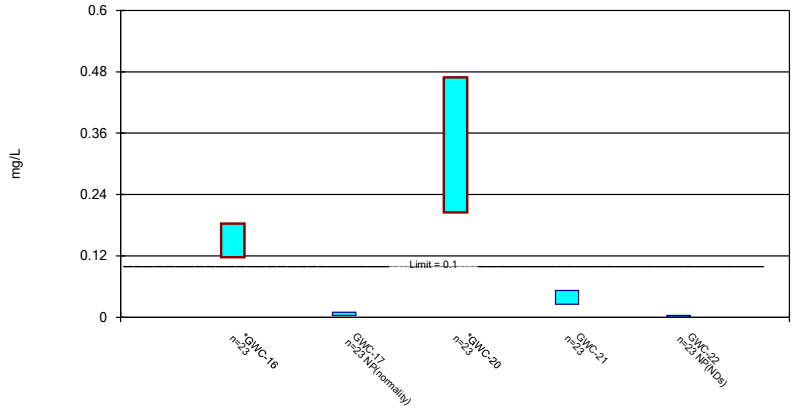


Constituent: Molybdenum Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

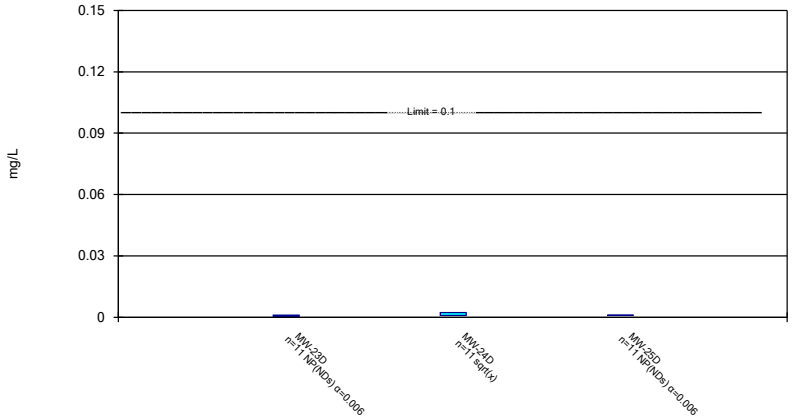


Constituent: Molybdenum Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

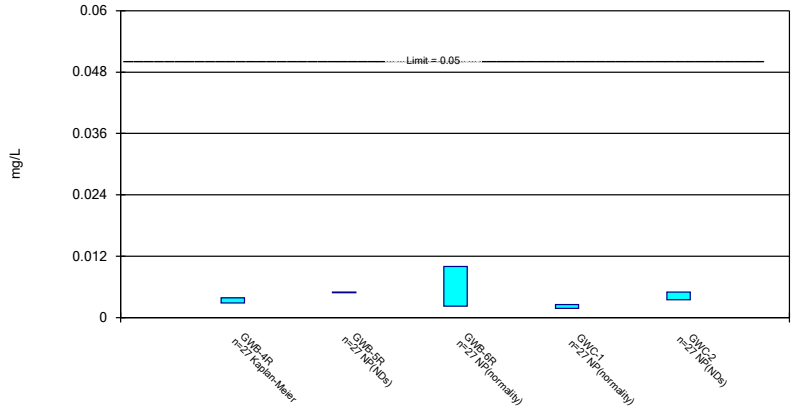


Constituent: Molybdenum Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

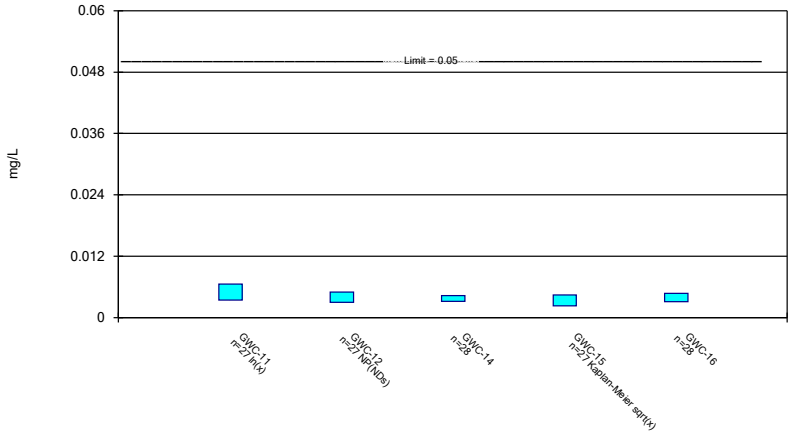


Constituent: Selenium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

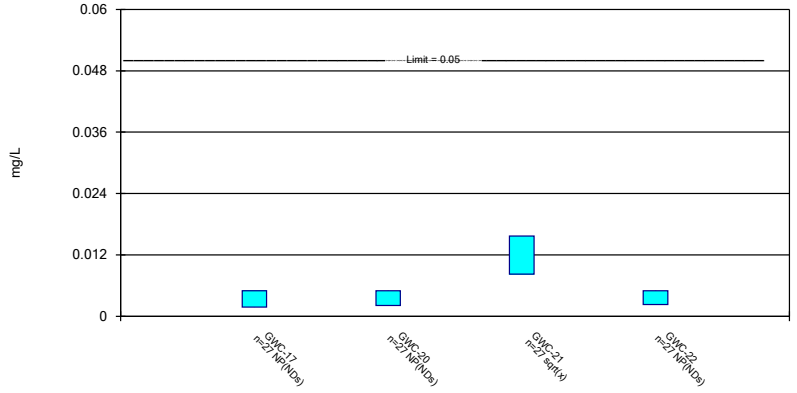


Constituent: Selenium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

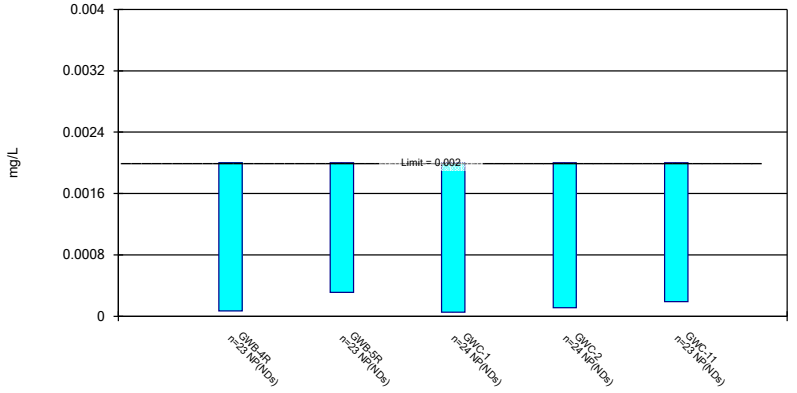


Constituent: Selenium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

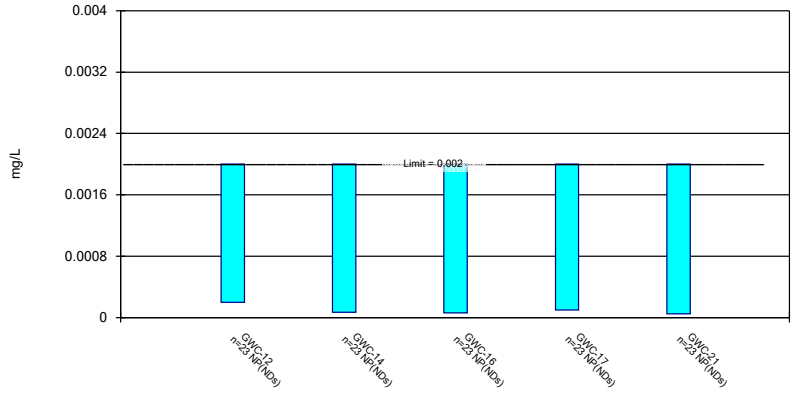


Constituent: Thallium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

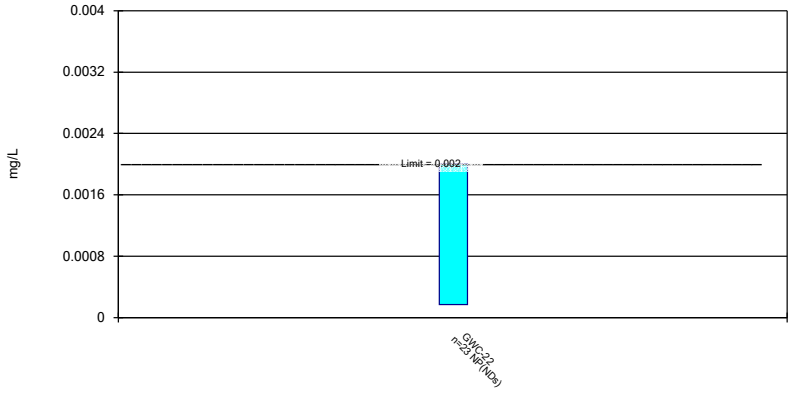


Constituent: Thallium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

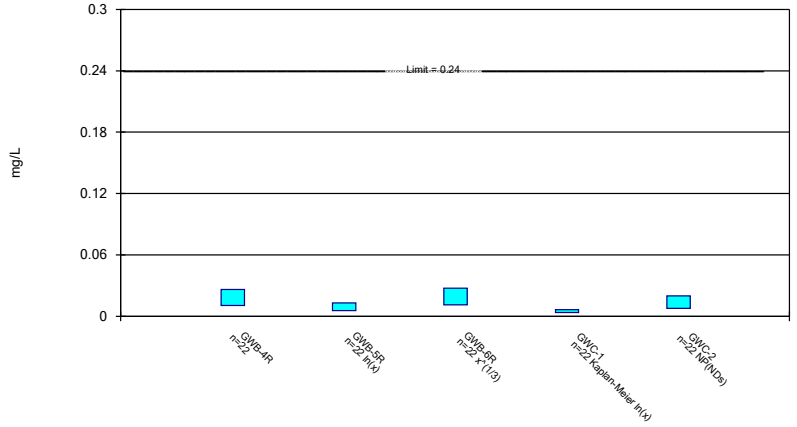


Constituent: Thallium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

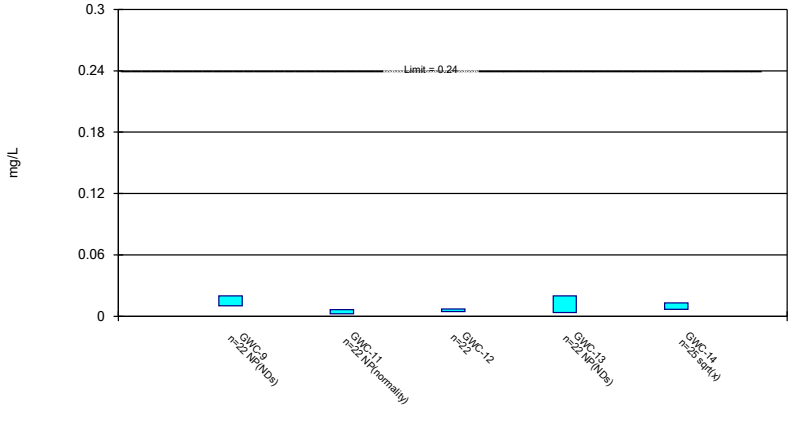


Constituent: Vanadium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

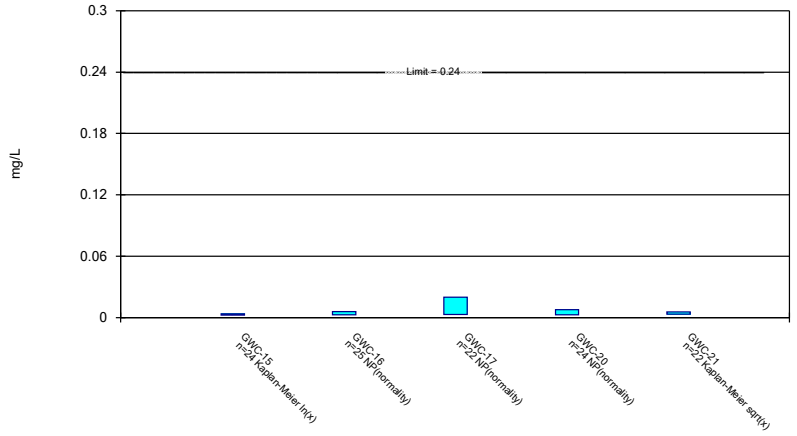


Constituent: Vanadium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

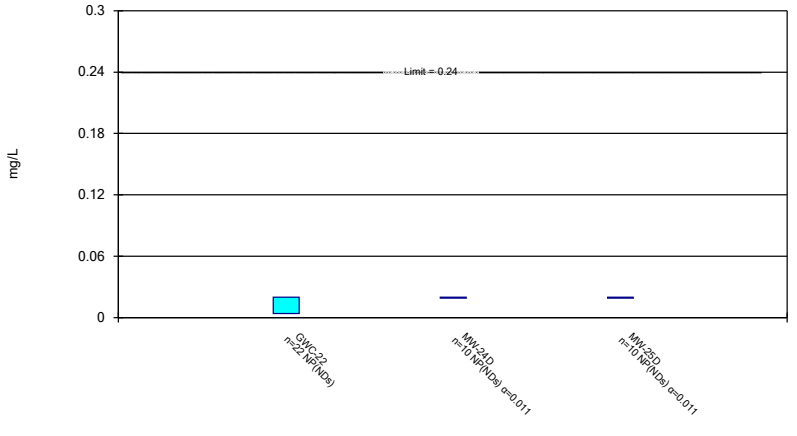


Constituent: Vanadium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

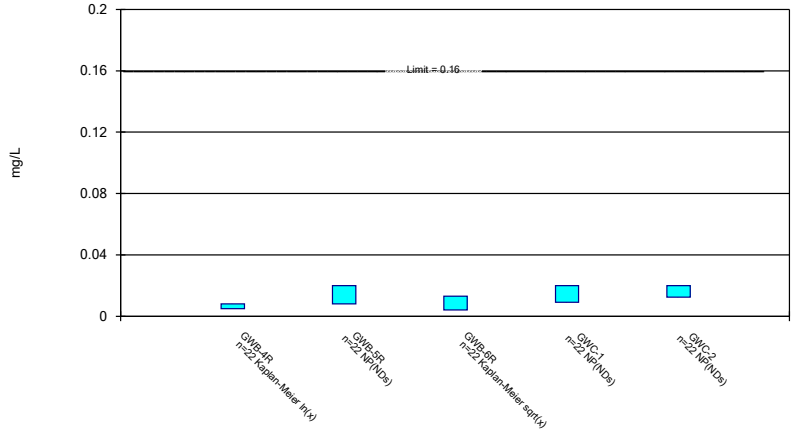


Constituent: Vanadium Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

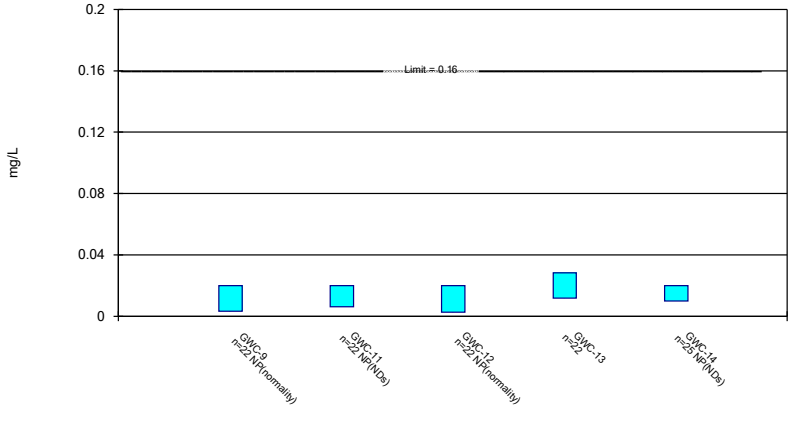


Constituent: Zinc Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

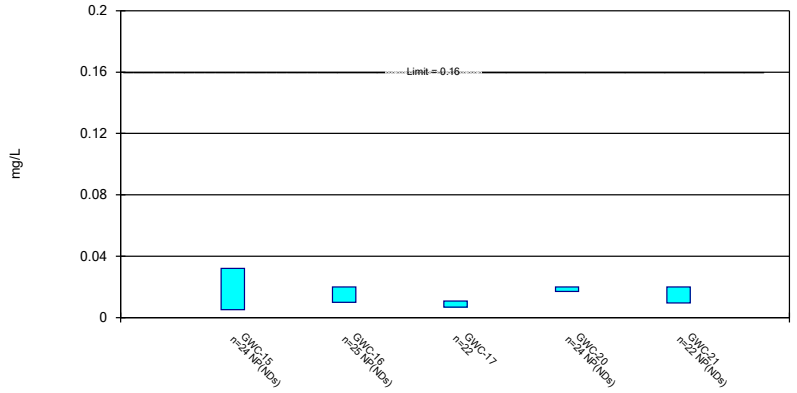


Constituent: Zinc Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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.

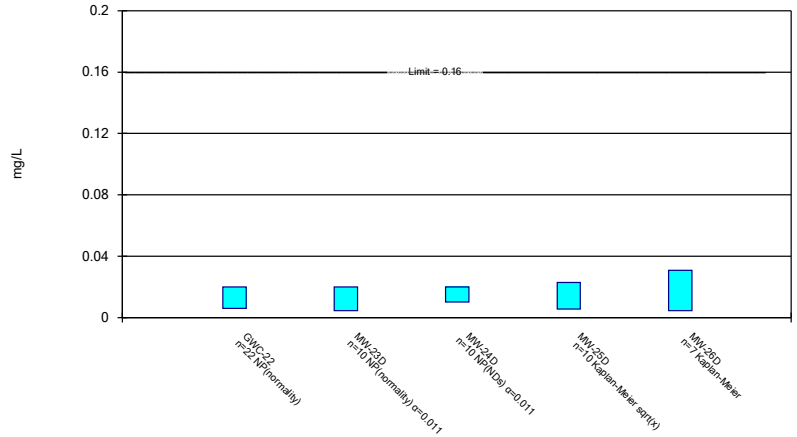


Constituent: Zinc Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to 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: Zinc Analysis Run 10/1/2025 11:29 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.003	<0.003
1/18/2016	<0.003	<0.003	<0.003		
7/27/2016		<0.003		<0.003	<0.003
7/28/2016			<0.003		
7/29/2016	0.0003 (J)				
8/30/2016		<0.003	<0.003	<0.003	
8/31/2016					<0.003
9/1/2016	<0.003				
10/25/2016				<0.003	
10/26/2016	<0.003	<0.003	<0.003		<0.003
1/3/2017		<0.003			
1/4/2017				<0.003	
1/5/2017			<0.003		<0.003
1/6/2017	<0.003				
4/4/2017	<0.003			<0.003	<0.003
4/6/2017		<0.003	<0.003		
7/12/2017	<0.003	<0.003	<0.003	<0.003	
7/13/2017					<0.003
10/3/2017		<0.003	<0.003	<0.003	<0.003
10/4/2017	<0.003				
1/9/2018			<0.003		
1/10/2018		<0.003		<0.003	<0.003
1/11/2018	<0.003				
7/10/2018		<0.003	<0.003	<0.003	<0.003
7/11/2018	<0.003				
1/16/2019	<0.003	<0.003	<0.003	<0.003	
1/21/2019					<0.003
3/25/2019	<0.003				
3/26/2019		<0.003	<0.003	<0.003	
7/30/2019					<0.003
8/27/2019	<0.003		<0.003	<0.003	<0.003
8/28/2019		0.00054 (J)			
10/9/2019	<0.003	<0.003	<0.003	<0.003	<0.003
4/7/2020	<0.003	<0.003	<0.003	<0.003	
4/8/2020					0.0013 (J)
8/18/2020					<0.003
8/19/2020	<0.003	<0.003	<0.003	0.00061 (J)	
9/28/2020				0.00035 (J)	
9/29/2020					0.0016 (J)
9/30/2020		0.0003 (J)	0.00059 (J)		
10/1/2020	<0.003				
3/10/2021	<0.003	<0.003	0.00029 (J)	0.00069 (J)	
3/15/2021					<0.003
9/21/2021	<0.003	0.0013 (J)	<0.003		
9/22/2021					<0.003
9/23/2021				0.0016 (J)	
2/2/2022	<0.003		<0.003		<0.003
2/3/2022		<0.003		<0.003	
8/30/2022	<0.003	<0.003	<0.003		
9/1/2022				<0.003	<0.003
2/1/2023		<0.003	<0.003		
2/2/2023	<0.003			<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	<0.003	<0.003	<0.003	<0.003	<0.003
1/23/2024			<0.003	<0.003	
1/25/2024					<0.003
2/7/2024	<0.003				
2/8/2024		<0.003			
8/20/2024	<0.003		<0.003	<0.003	
8/21/2024		<0.003			<0.003
1/28/2025	<0.003		<0.003		
1/29/2025		<0.003		<0.003	<0.003
7/28/2025	<0.003				
7/29/2025			<0.003	<0.003	
7/30/2025		<0.003			<0.003
Mean	0.0029	0.002746	0.00281	0.002676	0.002885
Std. Dev.	0.0005196	0.0007465	0.0006845	0.0008132	0.0004158
Upper Lim.	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0003	0.0013	0.00059	0.0016	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-15
1/17/2016					<0.003
1/18/2016	<0.003		<0.003	<0.003	
1/19/2016		<0.003			
7/26/2016		0.0005 (J)		0.0006 (J)	
7/27/2016			<0.003		<0.003
7/28/2016	<0.003				
8/31/2016	<0.003	<0.003	<0.003	<0.003	
9/1/2016					<0.003
10/25/2016					<0.003
10/26/2016		<0.003	<0.003	<0.003	
10/27/2016	0.0016 (J)				
1/4/2017		<0.003	<0.003		
1/5/2017				<0.003	<0.003
1/6/2017	<0.003				
4/3/2017					<0.003
4/5/2017			<0.003		
4/6/2017	<0.003	0.0006 (J)		<0.003	
7/10/2017			<0.003		
7/11/2017		0.0009 (J)			<0.003
7/12/2017	<0.003			<0.003	
10/2/2017					<0.003
10/3/2017		<0.003			
10/4/2017	<0.003		<0.003	<0.003	
1/9/2018					<0.003
1/10/2018				<0.003	
1/11/2018	<0.003	0.0007 (J)	<0.003		
7/10/2018					<0.003
7/11/2018	<0.003	<0.003	<0.003	<0.003	
1/16/2019				<0.003	
1/17/2019		<0.003	<0.003		<0.003
1/18/2019	<0.003				
3/26/2019				<0.003	<0.003
3/27/2019	<0.003	<0.003	<0.003		
8/27/2019		0.00033 (J)	<0.003	<0.003	<0.003
8/28/2019	<0.003				
10/8/2019		0.00046 (J)		<0.003	<0.003
10/9/2019	<0.003		<0.003		
4/7/2020		0.00066 (J)	<0.003		<0.003
4/8/2020	0.00033 (J)			<0.003	
8/17/2020			<0.003	<0.003	
8/18/2020		0.00064 (J)			<0.003
8/19/2020	<0.003				
9/28/2020				<0.003	
9/29/2020		0.00051 (J)	<0.003		
9/30/2020					<0.003
10/1/2020	<0.003				
3/10/2021	<0.003	0.00076 (J)	0.0003 (J)		
3/12/2021					0.0018 (J)
3/15/2021				<0.003	
9/21/2021		<0.003	<0.003	<0.003	
9/22/2021	<0.003				
9/23/2021					<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-15
2/2/2022	<0.003				
2/3/2022		<0.003	<0.003	<0.003	<0.003
8/30/2022			<0.003		
8/31/2022		<0.003		<0.003	<0.003
9/1/2022	<0.003				
2/1/2023	<0.003	<0.003	<0.003	<0.003	
2/2/2023					<0.003
8/29/2023	<0.003			<0.003	
9/6/2023		<0.003	<0.003		
9/7/2023					<0.003
1/24/2024	<0.003	<0.003			<0.003
1/25/2024			<0.003	<0.003	
8/21/2024	<0.003	<0.003	<0.003	<0.003	<0.003
1/28/2025		<0.003			
1/29/2025	<0.003		<0.003	<0.003	<0.003
7/29/2025		<0.003			
7/30/2025	<0.003		<0.003	<0.003	<0.003
Mean	0.002849	0.002113	0.0029	0.002911	0.002956
Std. Dev.	0.0005709	0.001182	0.0005196	0.0004619	0.0002309
Upper Lim.	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0016	0.00066	0.0003	0.0006	0.0018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2016		<0.003	<0.003	
1/18/2016	<0.003			<0.003
7/28/2016		0.0019 (J)	<0.003	
7/29/2016	<0.003			<0.003
8/31/2016				<0.003
9/1/2016	<0.003	<0.003	<0.003	
10/25/2016		<0.003	<0.003	
10/26/2016	<0.003			<0.003
1/4/2017		<0.003	<0.003	<0.003
1/5/2017	<0.003			
4/4/2017		<0.003	<0.003	
4/5/2017	<0.003			
4/6/2017				<0.003
7/11/2017		<0.003		<0.003
7/13/2017	<0.003		<0.003	
10/2/2017		<0.003		
10/3/2017			<0.003	
10/4/2017	<0.003			<0.003
1/9/2018			<0.003	
1/10/2018		<0.003		
1/11/2018	<0.003			<0.003
7/9/2018		<0.003		
7/10/2018			<0.003	
7/11/2018	<0.003			<0.003
1/16/2019	<0.003			
1/17/2019			<0.003	
1/18/2019				<0.003
1/21/2019		<0.003		
3/25/2019		<0.003		
3/26/2019	<0.003		<0.003	
3/27/2019				<0.003
8/27/2019				0.00045 (J)
8/28/2019	<0.003	<0.003	<0.003	
10/8/2019			<0.003	
10/9/2019	<0.003	<0.003		<0.003
4/7/2020			<0.003	0.00049 (J)
4/8/2020	<0.003	<0.003		
8/18/2020	<0.003	<0.003	<0.003	0.0022 (J)
9/30/2020	<0.003	<0.003	0.00033 (J)	0.0016 (J)
3/10/2021				0.0004 (J)
3/11/2021	0.00039 (J)			
3/12/2021		0.00065 (J)		
3/16/2021			<0.003	
9/21/2021				<0.003
9/22/2021	0.0014 (J)	<0.003	<0.003	
2/1/2022	<0.003	<0.003	<0.003	
2/3/2022				<0.003
8/30/2022		<0.003	<0.003	
8/31/2022	<0.003			<0.003
2/1/2023	0.00286 (J)	<0.003		
2/2/2023			<0.003	<0.003
8/29/2023	<0.003			<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
9/6/2023		<0.003	<0.003	
1/23/2024				<0.003
1/24/2024	0.00245 (J)	<0.003		
1/25/2024			<0.003	
8/21/2024	<0.003	<0.003		<0.003
8/22/2024			<0.003	
1/28/2025	0.00115 (J)			<0.003
1/29/2025		<0.003	<0.003	
7/29/2025	<0.003	<0.003		<0.003
7/30/2025			<0.003	
Mean	0.00275	0.002872	0.002901	0.002635
Std. Dev.	0.000663	0.0004919	0.0005138	0.0008449
Upper Lim.	0.003	0.003	0.003	0.003
Lower Lim.	0.00286	0.0019	0.00033	0.0022

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.024	<0.005
1/18/2016	<0.005	<0.005	<0.025		
7/27/2016		0.0008 (J)		0.0046 (J)	<0.005
7/28/2016			0.0009 (J)		
7/29/2016	0.0014 (J)				
8/30/2016		<0.005	<0.025	0.0023 (J)	
8/31/2016					<0.005
9/1/2016	0.0033 (J)				
10/25/2016				0.0035 (J)	
10/26/2016	0.0016 (J)	<0.005	<0.025		<0.005
1/3/2017		<0.005			
1/4/2017				0.0018 (J)	
1/5/2017			0.0021 (J)		<0.005
1/6/2017	<0.005				
4/4/2017	0.0021 (J)			0.0015 (J)	<0.005
4/6/2017		0.0006 (J)	0.0011 (J)		
7/12/2017	0.0015 (J)	0.0009 (J)	0.0014 (J)	0.0015 (J)	
7/13/2017					<0.005
10/3/2017		0.001 (J)	0.0014 (J)	0.0013 (J)	<0.005
10/4/2017	0.0018 (J)				
1/9/2018			0.0017 (J)		
1/10/2018		0.0012 (J)		0.0023 (J)	0.0006 (J)
1/11/2018	0.0015 (J)				
7/10/2018		0.0016 (J)	0.00063 (J)	0.0031 (J)	<0.005
7/11/2018	0.00095 (J)				
1/16/2019	0.0024 (J)	0.0011 (J)	<0.025	0.0023 (J)	
1/21/2019					<0.005
3/25/2019	0.0029 (J)				
3/26/2019		0.0014 (J)	0.0029 (J)	0.0032 (J)	
7/30/2019					0.00039 (J)
8/27/2019	0.0023 (J)		0.0035 (J)	0.0022 (J)	<0.005
8/28/2019		0.0023 (J)			
10/9/2019	0.0024 (J)	0.0053 (J)	0.0018 (J)	0.0042 (J)	<0.005
4/7/2020	0.0027 (J)	0.0011 (J)	<0.025	0.027	
4/8/2020					0.00094 (J)
8/18/2020					<0.005
8/19/2020	0.0033 (J)	0.0019 (J)	0.0036 (J)	0.007	
9/28/2020				0.0058	
9/29/2020					<0.005
9/30/2020		0.0017 (J)	0.004 (J)		
10/1/2020	0.0027 (J)				
3/10/2021	0.0025 (J)	0.0019 (J)	0.0054	0.0055	
3/15/2021					<0.005
9/21/2021	0.0027 (J)	<0.005	0.0054		
9/22/2021					<0.005
9/23/2021				0.0048 (J)	
2/2/2022	0.0036 (J)		0.01		<0.005
2/3/2022		0.0029 (J)		0.0057	
8/30/2022	0.0049 (J)	0.00253 (J)	0.00716		
9/1/2022				0.00568	<0.005
2/1/2023		0.00295 (J)	0.0042 (J)		
2/2/2023	0.00556			0.00433 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.0057	0.00239 (J)	0.00724	0.00668	<0.005
1/23/2024			0.00451 (J)	0.00609	
1/25/2024					<0.005
2/7/2024	0.00903				
2/8/2024		0.0071			
8/20/2024	0.00377 (J)		0.0056	0.0131	
8/21/2024		0.00237 (J)			<0.005
1/28/2025	0.00703		0.00574		
1/29/2025		0.00216 (J)		0.00822	<0.005
7/28/2025	0.00507				
7/29/2025			0.00474 (J)	0.00906	
7/30/2025		0.00227 (J)			<0.005
Mean	0.003249	0.002684	0.007779	0.006176	0.004516
Std. Dev.	0.001876	0.001757	0.008648	0.006197	0.001397
Upper Lim.	0.003873	0.002446	0.004147	0.006474	0.005
Lower Lim.	0.002289	0.001342	0.001986	0.003088	0.00094

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.002 (J)
1/18/2016	<0.005		<0.005	<0.005	
1/19/2016		<0.005			
4/26/2016					0.00183 (J)
7/26/2016		<0.005		<0.005	
7/27/2016			<0.005		0.0021 (J)
7/28/2016	<0.005				
8/31/2016	<0.005	<0.005	<0.005	<0.005	
9/1/2016					0.0024 (J)
10/25/2016					<0.005
10/26/2016		<0.005	<0.005	<0.005	
10/27/2016	<0.005				
1/4/2017		<0.005	<0.005		
1/5/2017				<0.005	0.0024 (J)
1/6/2017	<0.005				
4/4/2017					0.003 (J)
4/5/2017			0.0006 (J)		
4/6/2017	<0.005	<0.005		<0.005	
7/10/2017			0.0008 (J)		
7/11/2017		<0.005			0.0019 (J)
7/12/2017	<0.005			<0.005	
10/2/2017					0.0026 (J)
10/3/2017		<0.005			
10/4/2017	<0.005		0.0009 (J)	<0.005	
1/9/2018					0.0021 (J)
1/10/2018				0.0006 (J)	
1/11/2018	<0.005	<0.005	<0.005		
7/9/2018					0.0019 (J)
7/11/2018	<0.005	<0.005	<0.005	<0.005	
1/16/2019				<0.005	0.0016 (J)
1/17/2019		<0.005	<0.005		
1/18/2019	<0.005				
3/26/2019				0.00058 (J)	0.0023 (J)
3/27/2019	<0.005	<0.005	<0.005		
8/27/2019		<0.005	<0.005	<0.005	0.0017 (J)
8/28/2019	<0.005				
10/8/2019		<0.005		<0.005	0.0017 (J)
10/9/2019	<0.005		<0.005		
4/7/2020		<0.005	<0.005		0.0018 (J)
4/8/2020	0.00084 (J)			<0.005	
8/17/2020			<0.005	<0.005	
8/18/2020		<0.005			0.0012 (J)
8/19/2020	<0.005				
9/28/2020				<0.005	
9/29/2020		<0.005	<0.005		<0.005
10/1/2020	<0.005				
3/10/2021	<0.005	<0.005	<0.005		
3/15/2021				<0.005	
3/16/2021					<0.005
9/21/2021		<0.005	<0.005	<0.005	
9/22/2021	<0.005				0.0014 (J)
2/2/2022	<0.005				0.0036 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		<0.005	0.0016 (J)	0.0025 (J)	
8/30/2022			<0.005		<0.005
8/31/2022		<0.005		<0.005	
9/1/2022	<0.005				
2/1/2023	<0.005	<0.005	<0.005	<0.005	
2/2/2023					0.00261 (J)
8/29/2023	<0.005			<0.005	
9/6/2023		0.00254 (J)	<0.005		0.00244 (J)
1/24/2024	<0.005	<0.005			
1/25/2024			<0.005	<0.005	0.00216 (J)
8/21/2024	<0.005	<0.005	<0.005	<0.005	<0.005
1/28/2025		0.00241 (J)			
1/29/2025	<0.005		<0.005	<0.005	<0.005
7/29/2025		<0.005			
7/30/2025	<0.005		<0.005	<0.005	0.00239 (J)
Mean	0.004846	0.004813	0.004404	0.004581	0.002755
Std. Dev.	0.0008006	0.0006741	0.001465	0.001247	0.001285
Upper Lim.	0.005	0.005	0.005	0.005	0.003
Lower Lim.	0.00084	0.00254	0.0016	0.0025	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	0.014	0.089		0.34	0.0065
1/18/2016			<0.005		
4/26/2016		0.0731			
7/27/2016	0.0303				
7/28/2016		0.0627		0.209	<0.005
7/29/2016			0.0009 (J)		
9/1/2016	0.0533	0.0551	<0.005	0.215	0.0039 (J)
10/25/2016	0.0551	0.0466		0.307	<0.005
10/26/2016			<0.005		
1/4/2017		0.0444		0.311	<0.005
1/5/2017	0.0437		<0.005		
4/3/2017	0.0713				
4/4/2017				0.317	0.0031 (J)
4/5/2017		0.0591	0.0011 (J)		
7/11/2017	0.0745			0.299	
7/12/2017		0.0776			
7/13/2017			0.0016 (J)		<0.005
10/2/2017	0.0723			0.216	
10/3/2017		0.0813			<0.005
10/4/2017			0.0019 (J)		
1/9/2018	0.0731				0.0033 (J)
1/10/2018		0.085		0.347	
1/11/2018			0.0015 (J)		
7/9/2018				0.37	
7/10/2018	0.09	0.067			0.0027 (J)
7/11/2018			0.00082 (J)		
1/16/2019			<0.005		
1/17/2019	0.13	0.079			0.0022 (J)
1/21/2019				0.44	
3/25/2019				0.41	
3/26/2019	0.1	0.089	0.0015 (J)		0.0045 (J)
8/27/2019	0.17				
8/28/2019		0.091	0.0011 (J)	0.43	0.002 (J)
10/8/2019	0.13	0.088			0.0028 (J)
10/9/2019			0.0011 (J)	0.35	
4/7/2020	0.24	0.091			<0.005
4/8/2020			0.0013 (J)	0.33	
8/18/2020	0.28	0.045	<0.005	0.3	0.0059
9/30/2020	0.24	0.044	0.0012 (J)	0.31	0.0029 (J)
3/11/2021			0.0009 (J)		
3/12/2021	0.16			0.27	
3/16/2021		0.064			0.0098
9/22/2021		0.081	<0.005	0.23	<0.005
9/23/2021	0.21				
2/1/2022		0.095	<0.005	0.22	0.02
2/3/2022	0.23				
8/30/2022				0.465	0.0271
8/31/2022	0.259		<0.005		
9/1/2022		0.0987			
2/1/2023		0.115	<0.005	0.389	
2/2/2023	0.207				0.0323
8/29/2023			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		0.12		0.258	0.0323
9/7/2023	0.287				
1/24/2024	0.177		<0.005	0.552	
1/25/2024		0.131			0.0319
8/21/2024	0.183	0.131	<0.005	0.423	
8/22/2024					0.00929
1/28/2025			0.00286 (J)		
1/29/2025	0.253	0.143		0.196	0.0307
7/29/2025			<0.005	0.186	
7/30/2025	0.325	0.17			0.028
Mean	0.2343	0.08631	0.003251	0.3219	0.01097
Std. Dev.	0.04943	0.0315	0.001886	0.09251	0.01116
Upper Lim.	0.273	0.101	0.005	0.366	0.02
Lower Lim.	0.1955	0.07159	0.0012	0.2777	0.0033

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-25D	MW-26D
1/18/2016	<0.005		
7/29/2016	0.002 (J)		
8/31/2016	0.0017 (J)		
10/26/2016	<0.005		
1/4/2017	<0.005		
4/6/2017	0.0006 (J)		
7/11/2017	0.0012 (J)		
10/4/2017	0.0025 (J)		
1/11/2018	0.0006 (J)		
7/11/2018	0.0011 (J)		
1/18/2019	<0.005		
3/27/2019	<0.005		
8/27/2019	0.00044 (J)		
10/9/2019	<0.005		
4/7/2020	0.00043 (J)		
8/18/2020	<0.005		
9/30/2020	<0.005		
1/20/2021		<0.005	
3/10/2021	<0.005		
3/11/2021		0.00092 (J)	0.001 (J)
9/21/2021	<0.005		<0.005
9/23/2021		<0.005	
2/2/2022			0.0015 (J)
2/3/2022	<0.005	<0.005	
8/31/2022	<0.005	<0.005	
2/2/2023	<0.005	<0.005	
8/29/2023	0.00216 (J)		
9/7/2023		<0.005	
1/23/2024	<0.005		
1/25/2024		<0.005	<0.005
8/20/2024			<0.005
8/21/2024	<0.005	<0.005	
1/28/2025	<0.005		<0.005
1/29/2025		<0.005	
7/29/2025	<0.005		<0.005
7/30/2025		<0.005	
Mean	0.00362	0.004629	0.003929
Std. Dev.	0.001889	0.00123	0.001835
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0017	0.005	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.062	0.049
1/18/2016	0.095	0.12	0.11		
7/27/2016		0.112		0.0417	0.0796
7/28/2016			0.105		
7/29/2016	0.0883				
8/30/2016		0.135	0.106	0.0545	
8/31/2016					0.0429
9/1/2016	0.123				
10/25/2016				0.0504	
10/26/2016	0.0863	0.103	0.107		0.113 (O)
1/3/2017		0.118			
1/4/2017				0.0534	
1/5/2017			0.107		0.0526
1/6/2017	0.0758				
4/4/2017	0.091			0.0549	0.0503
4/6/2017		0.162	0.111		
7/12/2017	0.0941	0.157	0.106	0.0614	
7/13/2017					0.0529
10/3/2017		0.127	0.105	0.0436	0.057
10/4/2017	0.0994				
1/9/2018			0.0969		
1/10/2018		0.158		0.053	0.0527
1/11/2018	0.088				
7/10/2018		0.31	0.087	0.059	0.054
7/11/2018	0.071				
1/16/2019	0.083	0.054	0.013 (J)	0.054	
1/21/2019					0.05
3/25/2019	0.077				
3/26/2019		0.057	0.012 (J)	0.055	
7/30/2019					0.052
8/27/2019	0.076		0.013	0.054	0.053
8/28/2019		0.1			
10/9/2019	0.076	0.13	0.014 (J)	0.058	0.05
4/7/2020	0.09	0.098	0.01 (J)	0.05	
4/8/2020					0.061
8/18/2020					0.05
8/19/2020	0.076	0.1	0.064	0.057	
9/28/2020				0.051	
9/29/2020					0.049
9/30/2020		0.16	0.092		
10/1/2020	0.077				
3/10/2021	0.07	0.096	0.027	0.052	
3/15/2021					0.053
9/21/2021	0.098	0.076	0.077		
9/22/2021					0.047
9/23/2021				0.062	
2/2/2022	0.17		0.026		0.052
2/3/2022		0.062		0.051	
8/30/2022	0.134	0.051	0.0266		
9/1/2022				0.0583	0.0508
2/1/2023		0.101	0.0233		
2/2/2023	0.101			0.0466	0.0461

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.16	0.0643	0.0196	0.0637	0.0452
1/23/2024			0.0239	0.0531	
1/25/2024					0.0505
2/7/2024	0.178				
2/8/2024		0.168			
8/20/2024	0.214		0.028	0.0452	
8/21/2024		0.0921			0.0506
1/28/2025	0.166		0.0197		
1/29/2025		0.153		0.0531	0.0486
7/28/2025	0.202				
7/29/2025			0.0207	0.0467	
7/30/2025		0.129			0.0484
Mean	0.1096	0.1183	0.05743	0.0535	0.05185
Std. Dev.	0.04281	0.05222	0.04124	0.005683	0.006714
Upper Lim.	0.134	0.1373	0.105	0.05621	0.0529
Lower Lim.	0.077	0.0919	0.0197	0.05079	0.049

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.038
1/18/2016	0.2		0.032	0.026	
1/19/2016		0.048			
4/26/2016					0.025
7/26/2016		0.051		0.0236	
7/27/2016			0.0191		0.0248
7/28/2016	0.234				
8/31/2016	0.284	0.0565	0.019	0.0273	
9/1/2016					0.0346
10/25/2016					0.0248
10/26/2016		0.0591	0.0197	0.0238	
10/27/2016	0.244				
1/4/2017		0.0598	0.0174		
1/5/2017				0.0218	0.0245
1/6/2017	0.305				
4/4/2017					0.0342
4/5/2017			0.0174		
4/6/2017	0.249	0.0813		0.0204	
7/10/2017			0.0172		
7/11/2017		0.0302			0.0276
7/12/2017	0.256			0.0161	
10/2/2017					0.0274
10/3/2017		0.103			
10/4/2017	0.356		0.0162	0.0185	
1/9/2018					0.0222
1/10/2018				0.0166	
1/11/2018	0.226	0.166	0.018		
7/9/2018					0.026
7/11/2018	0.29	0.12	0.014	0.019	
1/16/2019				0.019	0.028
1/17/2019		0.039	0.017		
1/18/2019	0.21				
3/26/2019				0.026	0.034
3/27/2019	0.19	0.053	0.017		
8/27/2019		0.12	0.017	0.024	0.067
8/28/2019	0.17				
10/8/2019		0.13		0.024	0.085
10/9/2019	0.18		0.019		
4/7/2020		0.14	0.017		0.073
4/8/2020	0.15			0.027	
8/17/2020			0.018	0.024	
8/18/2020		0.12			0.028
8/19/2020	0.17				
9/28/2020				0.029	
9/29/2020		0.14	0.018		0.026
10/1/2020	0.15				
3/10/2021	0.15	0.13	0.028		
3/15/2021				0.034	
3/16/2021					0.037
9/21/2021		0.12	0.023	0.037	
9/22/2021	0.15				0.11
2/2/2022	0.15				0.1

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		0.17	0.025	0.038	
8/30/2022			0.0275		0.0773
8/31/2022		0.115		0.0379	
9/1/2022	0.151				
2/1/2023	0.128	0.146	0.0256	0.0367	
2/2/2023					0.0617
8/29/2023	0.138			0.0712	
9/6/2023		0.192	0.0273		0.0833
1/24/2024	0.134	0.146			
1/25/2024			0.0267	0.0607	0.0418
8/21/2024	0.149	0.126	0.0236	0.0526	0.0355
1/28/2025		0.132			
1/29/2025	0.163		0.0209	0.055	0.108
7/29/2025		0.111			
7/30/2025	0.173		0.019	0.0564	0.0931
Mean	0.1981	0.1076	0.02073	0.03206	0.04992
Std. Dev.	0.06048	0.04407	0.004604	0.01486	0.02927
Upper Lim.	0.2224	0.1286	0.02267	0.03684	0.073
Lower Lim.	0.1677	0.08657	0.01843	0.02438	0.0274

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	0.048	0.056		0.08	0.079
1/18/2016			0.13		
4/26/2016		0.0721			
7/27/2016	0.0487				
7/28/2016		0.0534		0.164	0.0626
7/29/2016			0.181		
9/1/2016	0.0403	0.0445	0.203	0.0976	0.077
10/25/2016	0.0329	0.0464		0.0702	0.0217
10/26/2016			0.177		
1/4/2017		0.0379		0.0999	0.0617
1/5/2017	0.0392		0.142		
4/3/2017	0.0439				
4/4/2017				0.136	0.0761
4/5/2017		0.0534	0.106		
7/11/2017	0.051			0.145	
7/12/2017		0.0944			
7/13/2017			0.0686		0.0428
10/2/2017	0.047			0.148	
10/3/2017		0.135			0.0376
10/4/2017			0.0589		
1/9/2018	0.0431				0.0704
1/10/2018		0.0603		0.0788	
1/11/2018			0.0412		
7/9/2018				0.087	
7/10/2018	0.047	0.16			0.061
7/11/2018			0.049		
1/16/2019			0.063		
1/17/2019	0.042	0.13			0.061
1/21/2019				0.069	
3/25/2019				0.085	
3/26/2019	0.047	0.14	0.025		0.084
8/27/2019	0.049				
8/28/2019		0.09	0.026	0.078	0.063
10/8/2019	0.057	0.13			0.079
10/9/2019			0.032	0.078	
4/7/2020	0.033	0.13			0.054
4/8/2020			0.055	0.19	
8/18/2020	0.03	0.32	0.074	0.38	0.18
9/30/2020	0.034	0.14	0.035	0.35	0.19
3/11/2021			0.044		
3/12/2021	0.038			0.34	
3/16/2021		0.16			0.18
9/22/2021		0.26	0.058	0.42	0.046
9/23/2021	0.062				
2/1/2022		0.23	0.055	0.36	0.24
2/3/2022	0.061				
8/30/2022				0.21	0.191
8/31/2022	0.055		0.0375		
9/1/2022		0.165			
2/1/2023		0.163	0.0262	0.194	
2/2/2023	0.0557				0.196
8/29/2023			0.0295		

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		0.143		0.178	0.232
9/7/2023	0.0573				
1/24/2024	0.0529		0.029	0.109	
1/25/2024		0.119			0.203
8/21/2024	0.0541	0.111	0.0254	0.226	
8/22/2024					0.291
1/28/2025			0.0275		
1/29/2025	0.0616	0.129		0.278	0.26
7/29/2025			0.0311	0.297	
7/30/2025	0.0553	0.105			0.172
Mean	0.04763	0.1242	0.06777	0.1833	0.1227
Std. Dev.	0.009275	0.06632	0.05276	0.1104	0.08042
Upper Lim.	0.05205	0.1552	0.07359	0.2206	0.1492
Lower Lim.	0.04321	0.09324	0.0391	0.1231	0.07694

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
1/18/2016	0.062				
7/29/2016	0.0575				
8/31/2016	0.0693				
10/26/2016	0.0966				
1/4/2017	0.0975				
4/6/2017	0.064				
7/11/2017	0.0778				
10/4/2017	0.156				
1/11/2018	0.0702				
7/11/2018	0.12				
1/18/2019	0.052				
3/27/2019	0.057				
8/27/2019	0.097				
10/9/2019	0.065				
4/7/2020	0.1				
8/18/2020	0.085				
9/30/2020	0.045				
3/10/2021	0.049				
3/11/2021		0.076	0.047	0.03	0.037
9/21/2021	0.036				0.027
9/22/2021		0.076	0.038		
9/23/2021				0.024	
2/1/2022			0.036		
2/2/2022					0.026
2/3/2022	0.038	0.079		0.024	
8/31/2022	0.0741	0.0765		0.0216	
9/1/2022			0.0267		
2/1/2023		0.06			
2/2/2023	0.0456		0.0268	0.0253	
8/29/2023	0.127				
9/6/2023		0.0732	0.034		
9/7/2023				0.029	
1/23/2024	0.0372				
1/24/2024		0.0554			
1/25/2024			0.027	0.0233	0.0287
8/20/2024					0.0297
8/21/2024	0.0362	0.0642	0.028	0.0253	
1/28/2025	0.0297				0.0277
1/29/2025		0.0555	0.0278	0.0277	
7/29/2025	0.199	0.0554			0.0282
7/30/2025			0.0256	0.0255	
Mean	0.07569	0.06712	0.03169	0.02557	0.02919
Std. Dev.	0.0396	0.00996	0.00695	0.002623	0.003644
Upper Lim.	0.0894	0.0765	0.03722	0.02791	0.037
Lower Lim.	0.05547	0.0554	0.02596	0.02323	0.026

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
8/30/2016		0.0002 (J)	<0.0005		
8/31/2016				<0.0005	0.0003 (J)
9/1/2016	0.0004 (J)				
10/26/2016	0.0001 (J)	0.0001 (J)	<0.0005	0.0003 (J)	
10/27/2016					0.0003 (J)
1/3/2017		0.0001 (J)			
1/5/2017			<0.0005	<0.0005	
1/6/2017	0.0001 (J)				0.0002 (J)
4/4/2017	0.0001 (J)			9E-05 (J)	
4/6/2017		0.0003 (J)	<0.0005		0.0003 (J)
7/12/2017	<0.0005	0.0002 (J)	<0.0005		0.0003 (J)
7/13/2017				<0.0005	
10/3/2017		0.0002 (J)	<0.0005	<0.0005	
10/4/2017	0.0001 (J)				0.0002 (J)
1/9/2018			<0.0005		
1/10/2018		0.0003 (J)		<0.0005	
1/11/2018	0.0001 (J)				0.0003 (J)
7/10/2018		0.00028 (J)	<0.0005	<0.0005	
7/11/2018	<0.0005				0.0003 (J)
7/30/2019				<0.0005	
8/27/2019	<0.0005		<0.0005	<0.0005	
8/28/2019		7.6E-05 (J)			0.00022 (J)
10/9/2019	<0.0005	<0.0005	<0.0005	<0.0005	0.00023 (J)
4/7/2020	<0.0005	<0.0005	<0.0005		
4/8/2020				8.8E-05 (J)	0.00019 (J)
8/18/2020				5.1E-05 (J)	
8/19/2020	<0.0005	<0.0005	5E-05 (J)		0.00022 (J)
9/29/2020				7.5E-05 (J)	
9/30/2020		6.5E-05 (J)	4.6E-05 (J)		
10/1/2020	<0.0005				0.0002 (J)
3/10/2021	<0.0005	8.2E-05 (J)	<0.0005		0.00019 (J)
3/15/2021				7.3E-05 (J)	
9/21/2021	<0.0005	9.9E-05 (J)	<0.0005		
9/22/2021				<0.0005	0.00017 (J)
2/2/2022	<0.0005		<0.0005	<0.0005	0.00018 (J)
2/3/2022		0.00014 (J)			
8/30/2022	<0.0005	<0.0005	<0.0005		
9/1/2022				<0.0005	<0.0005
2/1/2023		<0.0005	<0.0005		0.000215 (J)
2/2/2023	<0.0005			<0.0005	
8/29/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/23/2024			<0.0005		
1/24/2024					<0.0005
1/25/2024				<0.0005	
2/7/2024	<0.0005				
2/8/2024		<0.0005			
8/20/2024	<0.0005		<0.0005		
8/21/2024		<0.0005		<0.0005	0.00021 (J)
1/28/2025	<0.0005		<0.0005		
1/29/2025		<0.0005		<0.0005	0.00024 (J)
7/28/2025	<0.0005				
7/29/2025			<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
7/30/2025		<0.0005		<0.0005	0.000212 (J)
Mean	0.0004087	0.0003105	0.0004607	0.0004032	0.000236
Std. Dev.	0.0001676	0.0001818	0.0001302	0.0001766	4.423E-05
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0002591
Lower Lim.	0.0004	0.0001	5E-05	0.0003	0.0002128

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-16
8/31/2016	<0.0005	0.0011 (J)	<0.0005		
9/1/2016				0.0001 (J)	0.0001 (J)
10/25/2016				<0.0005	<0.0005
10/26/2016	<0.0005	0.0011 (J)	<0.0005		
1/4/2017	<0.0005	0.0009 (J)			9E-05 (J)
1/5/2017			<0.0005	<0.0005	
4/4/2017				9E-05 (J)	
4/5/2017		0.0008 (J)			9E-05 (J)
4/6/2017	<0.0005		<0.0005		
7/10/2017		0.0008 (J)			
7/11/2017	<0.0005			<0.0005	
7/12/2017			<0.0005		<0.0005
10/2/2017				<0.0005	
10/3/2017	<0.0005				<0.0005
10/4/2017		0.0006 (J)	<0.0005		
1/9/2018				<0.0005	
1/10/2018			<0.0005		0.0001 (J)
1/11/2018	<0.0005	0.0006 (J)			
7/9/2018				6.2E-05 (J)	
7/10/2018					6E-05 (J)
7/11/2018	<0.0005	0.00061 (J)	5.8E-05 (J)		
3/26/2019			<0.0005		
8/27/2019	<0.0005	0.00047 (J)	<0.0005	<0.0005	
8/28/2019					8E-05 (J)
10/8/2019	<0.0005		<0.0005	<0.0005	9.8E-05 (J)
10/9/2019		0.00046 (J)			
4/7/2020	<0.0005	0.00051 (J)		<0.0005	<0.0005
4/8/2020			<0.0005		
8/17/2020		0.00046 (J)	<0.0005		
8/18/2020	<0.0005			<0.0005	6.8E-05 (J)
9/28/2020			<0.0005		
9/29/2020	<0.0005	0.00043 (J)		<0.0005	
9/30/2020					8.9E-05 (J)
3/10/2021	4.7E-05 (J)	0.00054			
3/15/2021			<0.0005		
3/16/2021				<0.0005	<0.0005
9/21/2021	<0.0005	0.00047 (J)	<0.0005		
9/22/2021				<0.0005	6E-05 (J)
2/1/2022					<0.0005
2/2/2022				<0.0005	
2/3/2022	<0.0005	0.00056	<0.0005		
8/30/2022		0.000663		<0.0005	
8/31/2022	<0.0005		<0.0005		
9/1/2022					<0.0005
2/1/2023	<0.0005	0.000634	<0.0005		<0.0005
2/2/2023				<0.0005	
8/29/2023			<0.0005		
9/6/2023	<0.0005	0.000521		<0.0005	<0.0005
1/24/2024	<0.0005				
1/25/2024		0.000534	<0.0005	<0.0005	<0.0005
8/21/2024	<0.0005	0.000587	<0.0005	<0.0005	<0.0005
1/28/2025	<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-16
1/29/2025		0.000576	<0.0005	<0.0005	<0.0005
7/29/2025	<0.0005				
7/30/2025		0.000339 (J)	<0.0005	<0.0005	<0.0005
Mean	0.0004803	0.0006202	0.0004816	0.0004457	0.0003189
Std. Dev.	9.446E-05	0.0001978	9.022E-05	0.0001434	0.0002114
Upper Lim.	0.0005	0.000707	0.0005	0.0005	0.0005
Lower Lim.	4.7E-05	0.0005143	5.8E-05	0.0001	9E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-22	MW-25D	MW-26D
8/31/2016		0.0002 (J)		
9/1/2016	0.0014 (J)			
10/26/2016	0.0016 (J)	0.0002 (J)		
1/4/2017		0.0001 (J)		
1/5/2017	0.0019 (J)			
4/5/2017	0.0024 (J)			
4/6/2017		<0.0005		
7/11/2017		<0.0005		
7/13/2017	0.0034			
10/4/2017	0.0037	0.0001 (J)		
1/11/2018	0.0033	<0.0005		
7/11/2018	0.0038	7E-05 (J)		
8/27/2019		9E-05 (J)		
8/28/2019	0.0017 (J)			
10/9/2019	0.0018 (J)	<0.0005		
4/7/2020		<0.0005		
4/8/2020	0.0017 (J)			
8/18/2020	0.0016 (J)	7.6E-05 (J)		
9/30/2020	0.0013 (J)	<0.0005		
3/10/2021		<0.0005		
3/11/2021	0.0012		8.4E-05 (J)	0.0001 (J)
9/21/2021		<0.0005		7.3E-05 (J)
9/22/2021	0.0017			
9/23/2021			<0.0005	
2/1/2022	0.002			
2/2/2022				8.8E-05 (J)
2/3/2022		<0.0005	<0.0005	
8/31/2022	0.00258	<0.0005	<0.0005	
2/1/2023	0.00206			
2/2/2023		<0.0005	<0.0005	
8/29/2023	0.00174	<0.0005		
9/7/2023			<0.0005	
1/23/2024		<0.0005		
1/24/2024	0.00158			
1/25/2024			<0.0005	<0.0005
8/20/2024				<0.0005
8/21/2024	0.00186	<0.0005	<0.0005	
1/28/2025	0.00148	<0.0005		<0.0005
1/29/2025			<0.0005	
7/29/2025	0.00164	<0.0005		<0.0005
7/30/2025			<0.0005	
Mean	0.002063	0.0003842	0.0004584	0.000323
Std. Dev.	0.0007682	0.0001814	0.0001316	0.0002209
Upper Lim.	0.002316	0.0005	0.0005	0.0005
Lower Lim.	0.001642	0.0002	0.0005	7.3E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-1	GWC-11	GWC-14	GWC-20
8/30/2016		<0.001			
8/31/2016			0.0002 (J)		
9/1/2016	0.0002 (J)			0.0001 (J)	<0.001
10/25/2016		<0.001		0.0002 (J)	<0.001
10/26/2016	<0.001		0.0001 (J)		
1/4/2017		0.0001 (J)	0.0001 (J)		<0.001
1/5/2017				0.0002 (J)	
1/6/2017	9E-05 (J)				
4/4/2017	9E-05 (J)	7E-05 (J)		0.0002 (J)	<0.001
4/6/2017			0.0002 (J)		
7/11/2017			<0.001	0.0002 (J)	<0.001
7/12/2017	<0.001	<0.001			
10/2/2017				<0.001	<0.001
10/3/2017		<0.001	0.0003 (J)		
10/4/2017	<0.001				
1/9/2018				<0.001	
1/10/2018		<0.001			<0.001
1/11/2018	0.0002 (J)		0.0006 (J)		
7/9/2018				0.00017 (J)	<0.001
7/10/2018		<0.001			
7/11/2018	<0.001		0.0004 (J)		
1/16/2019		<0.001			
8/27/2019	<0.001	<0.001	0.00044 (J)	<0.001	
8/28/2019					<0.001
10/8/2019			0.00043 (J)	<0.001	
10/9/2019	<0.001	<0.001			<0.001
4/7/2020	<0.001	<0.001	0.00051 (J)	<0.001	
4/8/2020					<0.001
8/18/2020			0.00058 (J)	<0.001	<0.001
8/19/2020	<0.001	<0.001			
9/28/2020		<0.001			
9/29/2020			0.00077 (J)	0.00012 (J)	
9/30/2020					<0.001
10/1/2020	<0.001				
3/10/2021	<0.001	<0.001	0.0009		
3/12/2021					0.00018 (J)
3/16/2021				<0.001	
9/21/2021	<0.001		0.00036 (J)		
9/22/2021				<0.001	0.00013 (J)
9/23/2021		<0.001			
2/1/2022					0.0002 (J)
2/2/2022	<0.001			<0.001	
2/3/2022		<0.001	0.00019 (J)		
8/30/2022	<0.001			<0.001	<0.001
8/31/2022			0.000431 (J)		
9/1/2022		<0.001			
2/1/2023			0.000926 (J)		<0.001
2/2/2023	<0.001	<0.001		<0.001	
8/29/2023	0.000304 (J)	<0.001			
9/6/2023			0.000563 (J)	<0.001	0.000823 (J)
1/23/2024		<0.001			
1/24/2024			0.000456 (J)		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-1	GWC-11	GWC-14	GWC-20
1/25/2024				<0.001	
2/7/2024	<0.001				
8/20/2024	<0.001	<0.001			
8/21/2024			<0.001	<0.001	<0.001
1/28/2025	<0.001		0.000415 (J)		
1/29/2025		<0.001		<0.001	<0.001
7/28/2025	<0.001				
7/29/2025		<0.001	0.000363 (J)		0.000661 (J)
7/30/2025				<0.001	
Mean	0.000821	0.0009238	0.000445	0.0007474	0.0008693
Std. Dev.	0.0003493	0.0002584	0.0002207	0.0003911	0.0002878
Upper Lim.	0.001	0.001	0.0005604	0.001	0.001
Lower Lim.	0.000304	0.0001	0.0003295	0.0002	0.000823

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-25D	MW-26D
8/31/2016	8E-05 (J)			
10/26/2016	<0.001			
1/4/2017	0.0001 (J)			
4/6/2017	0.0001 (J)			
7/11/2017	<0.001			
10/4/2017	0.0002 (J)			
1/11/2018	0.0002 (J)			
7/11/2018	0.00023 (J)			
8/27/2019	<0.001			
10/9/2019	0.00012 (J)			
4/7/2020	0.00054 (J)			
8/18/2020	0.00024 (J)			
9/30/2020	0.00024 (J)			
3/10/2021	<0.001			
3/11/2021		<0.001	0.00019 (J)	0.00029 (J)
9/21/2021	<0.001			<0.001
9/22/2021		0.00027 (J)		
9/23/2021			<0.001	
2/2/2022				<0.001
2/3/2022	<0.001	<0.001	<0.001	
8/31/2022	<0.001	<0.001	<0.001	
2/1/2023		<0.001		
2/2/2023	<0.001		<0.001	
8/29/2023	<0.001			
9/6/2023		<0.001		
9/7/2023			<0.001	
1/23/2024	<0.001			
1/24/2024		<0.001		
1/25/2024			<0.001	0.000616 (J)
8/20/2024				<0.001
8/21/2024	<0.001	<0.001	<0.001	
1/28/2025	<0.001			<0.001
1/29/2025		<0.001	<0.001	
7/29/2025	<0.001	<0.001		<0.001
7/30/2025			<0.001	
Mean	0.0006543	0.000927	0.000919	0.0008437
Std. Dev.	0.0004119	0.0002308	0.0002561	0.000283
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.0002	0.001	0.001	0.00029

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.01	<0.01
1/18/2016	0.014	<0.01	0.0011 (J)		
7/27/2016		0.0006 (J)		0.0016 (J)	0.0008 (J)
7/28/2016			0.001 (J)		
7/29/2016	0.0077 (J)				
8/30/2016		<0.01	0.0013 (J)	0.0015 (J)	
8/31/2016					<0.01
9/1/2016	0.015				
10/25/2016				0.0018 (J)	
10/26/2016	0.0106	<0.01	0.0014 (J)		0.001 (J)
1/3/2017		0.001 (J)			
1/4/2017				0.0021 (J)	
1/5/2017			0.002 (J)		<0.01
1/6/2017	0.0098 (J)				
4/4/2017	0.0101			0.002 (J)	0.0008 (J)
4/6/2017		0.0013 (J)	0.0034 (J)		
7/12/2017	0.0096 (J)	0.0011 (J)	0.0024 (J)	0.0021 (J)	
7/13/2017					0.0006 (J)
10/3/2017		0.0012 (J)	0.0022 (J)	0.0014 (J)	<0.01
10/4/2017	0.0097 (J)				
1/9/2018			0.0019 (J)		
1/10/2018		0.0016 (J)		0.0017 (J)	<0.01
1/11/2018	0.0109				
7/10/2018		0.0055 (J)	0.0023 (J)	0.0021 (J)	<0.01
7/11/2018	0.0055 (J)				
1/16/2019	0.0024 (J)	<0.01	0.018 (J)	0.0021 (J)	
1/21/2019					<0.01
3/25/2019	0.002 (J)				
3/26/2019		0.072	0.017 (J)	0.0018 (J)	
7/30/2019					0.00065 (J)
8/27/2019	0.0027 (J)		0.0097 (J)	0.0062 (J)	<0.01
8/28/2019		0.0071 (J)			
10/9/2019	0.002 (J)	0.012 (J)	0.011 (J)	0.0019 (J)	0.00049 (J)
4/7/2020	0.0028 (J)	0.0022 (J)	0.0094 (J)	0.0015 (J)	
4/8/2020					0.00069 (J)
8/18/2020					<0.01
8/19/2020	0.0022 (J)	0.0012 (J)	0.0037 (J)	0.0028 (J)	
9/28/2020				0.0024 (J)	
9/29/2020					<0.01
9/30/2020		0.0018 (J)	0.0045 (J)		
10/1/2020	0.002 (J)				
3/10/2021	0.003 (J)	0.001 (J)	0.006	0.0023 (J)	
3/15/2021					0.0011 (J)
9/21/2021	0.0018 (J)	<0.01	0.0035 (J)		
9/22/2021					<0.01
9/23/2021				0.0023 (J)	
2/2/2022	0.003 (J)		0.0033 (J)		<0.01
2/3/2022		0.0014 (J)		0.0019 (J)	
8/30/2022	<0.01	<0.01	0.00356 (J)		
9/1/2022				<0.01	<0.01
2/1/2023		0.00655 (J)	0.00365 (J)		
2/2/2023	0.00502 (J)			<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.00389 (J)	<0.01	0.00349 (J)	0.00337 (J)	<0.01
1/23/2024			0.00402 (J)	<0.01	
1/25/2024					<0.01
2/7/2024	0.00352 (J)				
2/8/2024		0.0147			
8/20/2024	0.00544 (J)		0.00339 (J)	<0.01	
8/21/2024		0.00542 (J)			<0.01
1/28/2025	0.00332 (J)		0.0038 (J)		
1/29/2025		<0.01		<0.01	<0.01
7/28/2025	0.00648 (J)				
7/29/2025			0.00477 (J)	0.0032 (J)	
7/30/2025		<0.01			<0.01
Mean	0.005906	0.008432	0.004881	0.004003	0.007264
Std. Dev.	0.003939	0.01344	0.00443	0.003391	0.004298
Upper Lim.	0.007179	0.01	0.005714	0.0062	0.01
Lower Lim.	0.003727	0.0013	0.002645	0.0018	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.0012 (J)
1/18/2016	<0.01		<0.01	<0.01	
1/19/2016		<0.01			
4/26/2016					<0.01
7/26/2016		0.0005 (J)		<0.01	
7/27/2016			0.0014 (J)		0.0008 (J)
7/28/2016	0.0011 (J)				
8/31/2016	0.0024 (J)	0.001 (J)	0.0012 (J)	0.0011 (J)	
9/1/2016					0.0015 (J)
10/25/2016					<0.01
10/26/2016		<0.01	0.0012 (J)	<0.01	
10/27/2016	<0.01				
1/4/2017		<0.01	0.0012 (J)		
1/5/2017				<0.01	0.001 (J)
1/6/2017	<0.01				
4/4/2017					0.001 (J)
4/5/2017			0.0013 (J)		
4/6/2017	0.0019 (J)	0.0007 (J)		0.0011 (J)	
7/10/2017			0.0014 (J)		
7/11/2017		0.0006 (J)			0.0008 (J)
7/12/2017	0.0011 (J)			0.0007 (J)	
10/2/2017					0.0009 (J)
10/3/2017		0.0007 (J)			
10/4/2017	0.0011 (J)		0.0011 (J)	0.0008 (J)	
1/9/2018					0.0006 (J)
1/10/2018				0.0007 (J)	
1/11/2018	0.001 (J)	0.0098 (J)	0.001 (J)		
7/9/2018					<0.01
7/11/2018	<0.01	<0.01	<0.01	0.0019 (J)	
1/16/2019				<0.01	<0.01
1/17/2019		<0.01	0.0028 (J)		
1/18/2019	<0.01				
3/26/2019				<0.01	<0.01
3/27/2019	<0.01	<0.01	<0.01		
8/27/2019		0.00092 (J)	0.00085 (J)	<0.01	0.001 (J)
8/28/2019	0.00089 (J)				
10/8/2019		0.00091 (J)		<0.01	0.00053 (J)
10/9/2019	0.0009 (J)		0.00081 (J)		
4/7/2020		0.00094 (J)	0.00082 (J)		0.00074 (J)
4/8/2020	0.0015 (J)			0.00058 (J)	
8/17/2020			0.001 (J)	0.00077 (J)	
8/18/2020		0.0015 (J)			0.00059 (J)
8/19/2020	0.0013 (J)				
9/28/2020				0.00062 (J)	
9/29/2020		0.0011 (J)	0.00085 (J)		<0.01
10/1/2020	0.0012 (J)				
3/10/2021	0.0011 (J)	0.0013 (J)	0.00091 (J)		
3/15/2021				<0.01	
3/16/2021					<0.01
9/21/2021		<0.01	<0.01	<0.01	
9/22/2021	<0.01				<0.01
2/2/2022	0.0012 (J)				<0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		0.0011 (J)	0.0018 (J)	<0.01	
8/30/2022			<0.01		<0.01
8/31/2022		<0.01		<0.01	
9/1/2022	<0.01				
2/1/2023	<0.01	<0.01	<0.01	<0.01	
2/2/2023					<0.01
8/29/2023	<0.01			<0.01	
9/6/2023		<0.01	<0.01		<0.01
1/24/2024	<0.01	<0.01			
1/25/2024			<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	<0.01
1/28/2025		<0.01			
1/29/2025	<0.01		<0.01	<0.01	<0.01
7/29/2025		<0.01			
7/30/2025	<0.01		<0.01	<0.01	<0.01
Mean	0.005803	0.005966	0.004801	0.006973	0.006095
Std. Dev.	0.004448	0.004585	0.004409	0.004368	0.004595
Upper Lim.	0.01	0.01	0.01	0.01	0.01
Lower Lim.	0.0012	0.00094	0.0011	0.0011	0.0009

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	<0.01	<0.01		<0.01	<0.01
1/18/2016			<0.01		
4/26/2016		<0.01			
7/27/2016	0.0007 (J)				
7/28/2016		0.0006 (J)		0.0007 (J)	0.0005 (J)
7/29/2016			0.0009 (J)		
9/1/2016	0.0011 (J)	0.0011 (J)	0.0011 (J)	<0.01	<0.01
10/25/2016	<0.01	<0.01		<0.01	<0.01
10/26/2016			<0.01		
1/4/2017		<0.01		<0.01	<0.01
1/5/2017	<0.01		0.0012 (J)		
4/3/2017	0.0015 (J)				
4/4/2017				0.0011 (J)	0.0008 (J)
4/5/2017		0.001 (J)	0.0015 (J)		
7/11/2017	0.0013 (J)			0.0009 (J)	
7/12/2017		0.0011 (J)			
7/13/2017			0.0012 (J)		0.0006 (J)
10/2/2017	0.0013 (J)			0.0009 (J)	
10/3/2017		0.0009 (J)			0.0005 (J)
10/4/2017			0.0055 (J)		
1/9/2018	0.0012 (J)				0.0007 (J)
1/10/2018		0.0007 (J)		0.0008 (J)	
1/11/2018			0.0009 (J)		
7/9/2018				<0.01	
7/10/2018	<0.01	<0.01			<0.01
7/11/2018			<0.01		
1/16/2019			<0.01		
1/17/2019	<0.01	0.01 (J)			0.01
1/21/2019				<0.01	
3/25/2019				<0.01	
3/26/2019	<0.01	<0.01	<0.01		<0.01
8/27/2019	0.0016 (J)				
8/28/2019		0.0011 (J)	0.0013 (J)	0.00089 (J)	0.00087 (J)
10/8/2019	0.0017 (J)	0.00099 (J)			0.00065 (J)
10/9/2019			0.00081 (J)	0.0011 (J)	
4/7/2020	0.0014 (J)	<0.01			<0.01
4/8/2020			0.00073 (J)	0.001 (J)	
8/18/2020	0.0018 (J)	0.0012 (J)	0.0011 (J)	0.0011 (J)	0.0012 (J)
9/30/2020	0.0016 (J)	0.00098 (J)	0.00096 (J)	0.0013 (J)	0.00067 (J)
3/11/2021			0.0009 (J)		
3/12/2021	0.0031 (J)			0.0014 (J)	
3/16/2021		0.0012 (J)			0.00075 (J)
9/22/2021		0.0018 (J)	<0.01	0.0013 (J)	<0.01
9/23/2021	0.0013 (J)				
2/1/2022		<0.01	0.0014 (J)	0.0036 (J)	<0.01
2/3/2022	0.0016 (J)				
8/30/2022				<0.01	<0.01
8/31/2022	<0.01		<0.01		
9/1/2022		<0.01			
2/1/2023		<0.01	<0.01	0.00503 (J)	
2/2/2023	<0.01				<0.01
8/29/2023			<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		<0.01		<0.01	<0.01
9/7/2023	<0.01				
1/24/2024	<0.01		<0.01	<0.01	
1/25/2024		<0.01			<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	
8/22/2024					<0.01
1/28/2025			<0.01		
1/29/2025	<0.01	<0.01		<0.01	<0.01
7/29/2025			<0.01	<0.01	
7/30/2025	<0.01	<0.01			<0.01
Mean	0.0056	0.006167	0.005537	0.005597	0.006564
Std. Dev.	0.004337	0.004511	0.004464	0.004411	0.004566
Upper Lim.	0.01	0.01	0.01	0.01	0.01
Lower Lim.	0.0014	0.0011	0.0011	0.0011	0.00075

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-24D	MW-25D	MW-26D
1/18/2016	<0.01			
7/29/2016	0.0007 (J)			
8/31/2016	<0.01			
10/26/2016	<0.01			
1/4/2017	<0.01			
4/6/2017	0.0006 (J)			
7/11/2017	0.0005 (J)			
10/4/2017	0.0006 (J)			
1/11/2018	<0.01			
7/11/2018	<0.01			
1/18/2019	<0.01			
3/27/2019	<0.01			
8/27/2019	0.00057 (J)			
10/9/2019	0.00072 (J)			
4/7/2020	0.00049 (J)			
8/18/2020	0.00056 (J)			
9/30/2020	0.00064 (J)			
3/10/2021	<0.01			
3/11/2021		0.00069 (J)	0.0016 (J)	0.002 (J)
9/21/2021	<0.01			<0.01
9/22/2021		<0.01		
9/23/2021			<0.01	
2/1/2022		<0.01		
2/2/2022				<0.01
2/3/2022	<0.01		<0.01	
8/31/2022	<0.01		<0.01	
9/1/2022		<0.01		
2/2/2023	<0.01	<0.01	<0.01	
8/29/2023	<0.01			
9/6/2023		<0.01		
9/7/2023			<0.01	
1/23/2024	<0.01			
1/25/2024		<0.01	<0.01	<0.01
8/20/2024				<0.01
8/21/2024	<0.01	<0.01	<0.01	
1/28/2025	<0.01			<0.01
1/29/2025		<0.01	<0.01	
7/29/2025	<0.01			<0.01
7/30/2025		<0.01	<0.01	
Mean	0.006866	0.009069	0.00916	0.008857
Std. Dev.	0.004517	0.002944	0.002656	0.003024
Upper Lim.	0.01	0.01	0.01	0.01
Lower Lim.	0.00064	0.01	0.01	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
8/30/2016		<0.005	<0.01		
8/31/2016				<0.001	0.0021 (J)
9/1/2016	0.0024 (J)				
10/26/2016	0.0011 (J)	<0.005	<0.01	0.0011 (J)	
10/27/2016					0.0017 (J)
1/3/2017		<0.005			
1/5/2017			<0.01	<0.001	
1/6/2017	0.001 (J)				0.0017 (J)
4/4/2017	0.001 (J)			<0.001	
4/6/2017		<0.005	<0.01		0.0017 (J)
7/12/2017	0.0008 (J)	<0.005	<0.01		0.0016 (J)
7/13/2017				0.0003 (J)	
10/3/2017		<0.005	<0.01	0.0003 (J)	
10/4/2017	0.001 (J)				0.0015 (J)
1/9/2018			<0.01		
1/10/2018		0.0004 (J)		<0.001	
1/11/2018	0.0008 (J)				0.0017 (J)
7/10/2018		0.002 (J)	<0.01	<0.001	
7/11/2018	<0.005				0.0017 (J)
7/30/2019				0.00032 (J)	
8/27/2019	0.0011 (J)		0.00038 (J)	<0.001	
8/28/2019		0.0024 (J)			0.00099 (J)
10/9/2019	0.0015 (J)	0.0037 (J)	<0.025	<0.001	0.00099 (J)
4/7/2020	0.0009 (J)	0.00053 (J)	<0.025		
4/8/2020				0.00036 (J)	0.001 (J)
8/18/2020				<0.001	
8/19/2020	0.00072 (J)	<0.005	<0.005		0.0011 (J)
9/29/2020				<0.001	
9/30/2020		0.00056 (J)	<0.005		
10/1/2020	0.0005 (J)				0.00099 (J)
3/10/2021	0.00069 (J)	0.0057	<0.005		0.00096 (J)
3/15/2021				<0.001	
9/21/2021	<0.005	0.019	0.0049 (J)		
9/22/2021				<0.001	0.00082 (J)
11/10/2021		0.041			
2/2/2022	0.0027 (J)		0.07	<0.001	0.00096 (J)
2/3/2022		0.019			
8/30/2022	0.00198	0.00401	0.0476		
9/1/2022				<0.001	0.00093 (J)
2/1/2023		0.00291	0.0228		0.00083 (J)
2/2/2023	0.00937			<0.001	
8/29/2023	0.0122	0.00139	0.0709	<0.001	0.000744 (J)
1/23/2024			0.0222		
1/24/2024					0.000899 (J)
1/25/2024				<0.001	
2/7/2024	0.0126				
2/8/2024		0.00521			
8/20/2024	0.00204		0.0368		
8/21/2024		0.00156		<0.001	0.00096 (J)
1/28/2025	0.0131		0.021		
1/29/2025		0.000703 (J)		<0.001	0.000944 (J)
7/28/2025	0.00252				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
7/29/2025			0.0285		
7/30/2025		0.000888 (J)		<0.001	0.00104
Mean	0.003262	0.006082	0.03998	0.0008908	0.001211
Std. Dev.	0.004119	0.008857	0.0208	0.0002618	0.0003935
Upper Lim.	0.00252	0.003487	0.06132	0.001	0.0016
Lower Lim.	0.0009	0.00109	0.01988	0.00036	0.000944

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-17	GWC-22
8/31/2016	<0.001	0.0018 (J)			0.001 (J)
9/1/2016			<0.001	0.0046 (J)	
10/25/2016			<0.001		
10/26/2016	<0.001	0.0016 (J)		0.0046 (J)	0.0009 (J)
1/4/2017	<0.001	0.0014 (J)			0.0007 (J)
1/5/2017			<0.001	0.0062 (J)	
4/4/2017			<0.001		
4/5/2017		0.0013 (J)		0.007 (J)	
4/6/2017	<0.001				<0.001
7/10/2017		0.0013 (J)			
7/11/2017	<0.001		0.0003 (J)		<0.001
7/13/2017				0.0077 (J)	
10/2/2017			<0.001		
10/3/2017	<0.001				
10/4/2017		0.0011 (J)		0.0073 (J)	0.0007 (J)
1/9/2018			<0.001		
1/11/2018	0.0003 (J)	0.0011 (J)		0.0061 (J)	<0.001
7/9/2018			<0.001		
7/11/2018	<0.001	0.00096 (J)		0.0064 (J)	<0.001
8/27/2019	<0.001	0.0009 (J)	<0.001		0.00077 (J)
8/28/2019				0.0023 (J)	
10/8/2019	<0.001		<0.001		
10/9/2019		0.00094 (J)		0.0024 (J)	<0.001
4/7/2020	<0.001	0.00077 (J)	<0.001		0.00037 (J)
4/8/2020				0.0024 (J)	
8/17/2020		0.0006 (J)			
8/18/2020	0.0004 (J)		<0.001	0.0025 (J)	<0.001
9/29/2020	0.00055 (J)	0.00057 (J)	<0.001		
9/30/2020				0.0018 (J)	<0.001
3/10/2021	0.00082 (J)	0.00071 (J)			<0.001
3/11/2021				0.0019 (J)	
3/16/2021			<0.001		
9/21/2021	<0.001	0.00065 (J)			<0.001
9/22/2021			<0.001	0.0028 (J)	
2/1/2022				0.0036 (J)	
2/2/2022			<0.001		
2/3/2022	<0.001	0.00072 (J)			<0.001
8/30/2022		0.000786 (J)	<0.001		
8/31/2022	0.000646 (J)			0.00358	<0.001
2/1/2023	0.00118	0.000753 (J)		0.00265	
2/2/2023			<0.001		<0.001
8/29/2023				0.00268	0.000817 (J)
9/6/2023	0.000794 (J)	0.000732 (J)	<0.001		
1/23/2024					<0.001
1/24/2024	0.000522 (J)			0.00264	
1/25/2024		0.000751 (J)	<0.001		
8/21/2024	<0.001	0.000768 (J)	<0.001	0.00256	<0.001
1/28/2025	0.000527 (J)			0.00242	<0.001
1/29/2025		0.000647 (J)	<0.001		
7/29/2025	0.000469 (J)			0.00264	0.00105
7/30/2025		0.000595 (J)	<0.001		
Mean	0.0008351	0.0009327	0.0009696	0.00386	0.0009264

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-17	GWC-22
Std. Dev.	0.0002517	0.0003396	0.000146	0.00193	0.0001583
Upper Lim.	0.001	0.001079	0.001	0.0061	0.001
Lower Lim.	0.00055	0.0007493	0.0003	0.00242	0.0009

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		1.81	2.19	2.36	
8/31/2016					1.01
9/1/2016	5.27				
10/25/2016				2.02	
10/26/2016	2.32	2.03	2.67		0.725
1/3/2017		1.85			
1/4/2017				2.1	
1/5/2017			3.74		0.735
1/6/2017	5.1				
4/4/2017	5			1.39	0.87
4/6/2017		2.66	2.36		
7/12/2017	2.69	2.1	1.54	1.63	
7/13/2017					0.42 (U)
10/3/2017		2	3.63	1.84	0.995 (U)
10/4/2017	4.82				
1/9/2018			2.07		
1/10/2018		2.55		2.11	0.698 (U)
1/11/2018	4.48				
7/10/2018		3.14	1.63	1.29	1.01
7/11/2018	2.69				
8/27/2019	2.97		4.63	2.41	0.787 (U)
8/28/2019		3.74			
10/9/2019	2.17	7.23	5.45	3.13	0.22 (U)
4/7/2020	2.44	3.57	6.25	1.97	
4/8/2020					1.13 (U)
8/18/2020					1.09 (U)
8/19/2020	3.1	2.49	4.53	1.91	
9/28/2020				1.29	
9/29/2020					1 (U)
9/30/2020		4.45	6.39		
10/1/2020	2.6				
3/10/2021	2.11	4.67	4.61	1.7	
3/15/2021					0.804 (U)
9/21/2021	2.45	3.1	5.07		
9/22/2021					0.769 (U)
9/23/2021				1.48	
2/2/2022	3.17		4.79		0.854 (U)
2/3/2022		2.65		1	
8/30/2022	5.57	3.36	3.2		
9/1/2022				0.911 (U)	2.09
2/1/2023		3.28	4.93		
2/2/2023	5.79			3.54	1.11 (U)
8/29/2023	3.86	1.63	8.19	2.65	2.49
1/23/2024			8.24	2.9	
1/25/2024					1.99
2/7/2024	5.48				
2/8/2024		6.35			
8/20/2024	7.26		6.12	0.492 (U)	
8/21/2024		2.85			2.07
1/28/2025	6.75		7.86		
1/29/2025		3.5		2.2	0.453 (U)
7/28/2025	6.49				

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
7/29/2025			10	1.92	
7/30/2025		5.23			2.45
Mean	4.112	3.315	4.787	1.924	1.12
Std. Dev.	1.641	1.448	2.308	0.7225	0.6395
Upper Lim.	4.97	4.072	5.994	2.302	1.372
Lower Lim.	3.254	2.557	3.579	1.546	0.7543

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	3.3	2.2	2.61	1.23	
9/1/2016					1.28
10/25/2016					1.54
10/26/2016		1.96	3.28	0.641	
10/27/2016	2.7				
1/4/2017		1.88	3.77		
1/5/2017				0.657	0.715
1/6/2017	4.45				
4/4/2017					0.699
4/5/2017			3.25		
4/6/2017	3.1	0.893 (U)		0.439	
7/10/2017			1.55		
7/11/2017		1.89			1.12
7/12/2017	2.73			0.414 (U)	
10/2/2017					0.855 (U)
10/3/2017		4.73			
10/4/2017	8.16		1.68	1.33	
1/9/2018					0.861 (U)
1/10/2018				1.21	
1/11/2018	2.31	7.49	2.94		
7/9/2018					0.693 (U)
7/11/2018	3.31	5.88	2.03	1.4	
8/27/2019		5.09	2.09	1.27	1.32
8/28/2019	1.91				
10/8/2019		6.39		1.62	1.41
10/9/2019	3.09		3.11		
4/7/2020		7.87	2.18		1.41
4/8/2020	1.92			1.08	
8/17/2020			2.25	1.42	
8/18/2020		6.76			0.731 (U)
8/19/2020	2.34				
9/28/2020				1.28	
9/29/2020		8.3	0.845 (U)		0.331 (U)
10/1/2020	3.3				
3/10/2021	2.08	7.55	1.77		
3/15/2021				0.769 (U)	
3/16/2021					0.0831 (U)
9/21/2021		4.35	1.24 (U)	2.09	
9/22/2021	2.08				1.94 (U)
2/2/2022	0.967 (U)				0.881 (U)
2/3/2022		4.04	0.957	1.18	
8/30/2022			3.37		2.62
8/31/2022		6.34		1.9	
9/1/2022	2.35				
2/1/2023	4.17	5.87	2.07	2.85	
2/2/2023					1.31 (U)
8/29/2023	1.44			2.36	
9/6/2023		9.23	2.02		0.609 (U)
1/24/2024	1.36 (U)	7.06			
1/25/2024			0.675 (U)	2.37	0.586 (U)
8/21/2024	2.54	5.48	2.54	1.23 (U)	0.715 (U)
1/28/2025		2.64			

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/29/2025	2.76		2.67	2.56	1.05 (U)
7/29/2025		3.35			
7/30/2025	3.25		2.02	5.81	1.06 (U)
Mean	2.853	5.098	2.214	1.613	1.036
Std. Dev.	1.431	2.388	0.8424	1.132	0.5432
Upper Lim.	3.405	6.346	2.654	2.001	1.32
Lower Lim.	2.108	3.849	1.773	1.022	0.7515

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/1/2016	2.45	1.99	5.19	2.21	1.05
10/25/2016	1.04	1.98		1.51	1.2
10/26/2016			4.25		
1/4/2017		1.72		2.56	2.11
1/5/2017	1.36		3.55		
4/3/2017	0.697				
4/4/2017				1.77	2.02
4/5/2017		1.72	4.39		
7/11/2017	0.754 (U)			2.76	
7/12/2017		1.11			
7/13/2017			2.44		0.576 (U)
10/2/2017	1.52			4.15	
10/3/2017		2.13			0.86 (U)
10/4/2017			4.95		
1/9/2018	1.17				1.43
1/10/2018		1.74		1.96	
1/11/2018			3.53		
7/9/2018				1.11	
7/10/2018	1.26	1.97			1.63
7/11/2018			3.13		
8/27/2019	1.75				
8/28/2019		2.04	2.01	1.13 (U)	1.4 (U)
10/8/2019	1.52	1.89			1.88
10/9/2019			2.91	2.28	
4/7/2020	1.82	4.17			1.8
4/8/2020			2.79	4.19	
8/18/2020	1.84	4.24	3.11	6.86	3.27
9/30/2020	2.14	2.47	3.09	5.62	3.83
3/11/2021			2.77		
3/12/2021	0.607 (U)			5.17	
3/16/2021		2.15			2.88
9/22/2021		3.06	2.36	6.84	0.959 (U)
9/23/2021	1.64				
2/1/2022		2.73	2.51	5.11	2.51
2/3/2022	0.58 (U)				
8/30/2022				4.95	2.56
8/31/2022	2.88		2.72		
9/1/2022		1.64 (U)			
2/1/2023		3.17	2.83	5.77	
2/2/2023	3.14				3.73
8/29/2023			2.77		
9/6/2023		3.42		2.12	4.2
9/7/2023	2.28				
1/24/2024	0.775 (U)		0.437 (U)	1.78	
1/25/2024		4			4.12
8/21/2024	2.48	3.92	2.46	4.17	
8/22/2024					4.52
1/28/2025			1.17 (U)		
1/29/2025	1.92	3.73		3.27	6.55
7/29/2025			1.45 (U)	4.59	
7/30/2025	2.37	4.67			5.11
Mean	1.652	2.681	2.905	3.56	2.617

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
Std. Dev.	0.7369	1.03	1.115	1.811	1.559
Upper Lim.	2.037	3.22	3.488	4.507	3.432
Lower Lim.	1.266	2.142	2.322	2.613	1.802

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
8/31/2016	5.96				
10/26/2016	7.42				
1/4/2017	6.07				
4/6/2017	3				
7/11/2017	4.2				
10/4/2017	7.16				
1/11/2018	3.57				
7/11/2018	7.57				
8/27/2019	7.04				
10/9/2019	3.68				
4/7/2020	7.66				
8/18/2020	7.65				
9/30/2020	2.79				
3/10/2021	2.53				
3/11/2021		1.55	1.29	0.353 (U)	0.783 (U)
9/21/2021	1.25 (U)				0.815 (U)
9/22/2021		1.4	0.982 (U)		
9/23/2021				1.15	
2/1/2022			0.36 (U)		
2/2/2022					0.249 (U)
2/3/2022	1.4	1.21		0.278 (U)	
8/31/2022	3.07	1.79		0.645 (U)	
9/1/2022			3.54		
2/1/2023		2.44			
2/2/2023	4.13		2.52 (U)	2.98	
8/29/2023	11.3				
9/6/2023		3.47	1.73		
9/7/2023				1.75	
1/23/2024	6.54				
1/24/2024		1.3 (U)			
1/25/2024			1.68	1.04 (U)	1.64 (U)
8/20/2024					1.84
8/21/2024	2.35	0.517 (U)	3.94	1.22 (U)	
1/28/2025	5.68				1.45 (U)
1/29/2025		0.997 (U)	1.6 (U)	1.51 (U)	
7/29/2025	11.5	3.24			2.5
7/30/2025			1.1 (U)	2.48	
Mean	5.37	1.791	1.874	1.341	1.325
Std. Dev.	2.837	0.9651	1.136	0.8763	0.7607
Upper Lim.	6.854	2.652	2.888	2.122	2.229
Lower Lim.	3.887	0.9303	0.8603	0.5587	0.4217

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		0.04 (J)	0.09 (J)	0.22 (J)	
8/31/2016					0.07 (J)
9/1/2016	<0.2				
10/25/2016				<0.1	
10/26/2016	0.05 (J)	0.05 (J)	0.24 (J)		0.62
1/3/2017		0.08 (J)			
1/4/2017				0.18 (J)	
1/5/2017			0.11 (J)		0.17 (J)
1/6/2017	0.08 (J)				
4/4/2017	<0.2			<0.1	0.08 (J)
4/6/2017		0.006 (J)	0.3		
7/12/2017	0.38	0.05 (J)	0.15 (J)	0.04 (J)	
7/13/2017					0.06 (J)
10/3/2017		0.11 (J)	0.11 (J)	<0.1	0.06 (J)
10/4/2017	<0.2				
1/9/2018			<0.2		
1/10/2018		<0.1		<0.1	<0.1
1/11/2018	<0.2				
7/10/2018		0.2 (J)	<0.2	<0.1	<0.1
7/11/2018	<0.2				
1/16/2019	1.2	<0.1	0.053 (J)	<0.1	
1/21/2019					<0.1
3/25/2019	0.064 (J)				
3/26/2019		<0.1	0.046 (J)	0.051 (J)	
7/30/2019					0.083 (J)
8/27/2019	0.031 (J)		0.13 (J)	<0.1	<0.1
8/28/2019		0.097 (J)			
10/9/2019	<0.2	<0.1	<0.2	<0.1	<0.1
4/7/2020	<0.2	<0.1	<0.2	<0.1	
4/8/2020					<0.1
8/18/2020					<0.1
8/19/2020	0.17	<0.1	<0.2	<0.1	
9/28/2020				<0.1	
9/29/2020					<0.1
9/30/2020		<0.1	<0.2		
10/1/2020	<0.2				
3/10/2021	<0.2	<0.1	<0.2	<0.1	
3/15/2021					<0.1
9/21/2021	<0.2	<0.1	<0.2		
9/22/2021					<0.1
9/23/2021				<0.1	
2/2/2022	<0.2		<0.2		<0.1
2/3/2022		0.081 (J)		<0.1	
8/30/2022	<0.2	0.0428 (J)	<0.2		
9/1/2022				<0.1	<0.1
2/1/2023		0.0546 (J)	<0.2		
2/2/2023	<0.2			<0.1	<0.1
8/29/2023	<0.2	<0.1	0.0523 (J)	0.0596 (J)	<0.1
1/23/2024			<0.2	<0.1	
1/24/2024		<0.1			
1/25/2024	<0.2				0.0377 (J)
2/7/2024	<0.2				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
2/8/2024		<0.1			
8/20/2024	<0.2		0.0768 (J)	<0.1	
8/21/2024		0.0435 (J)			0.0532 (J)
1/28/2025	<0.2		<0.2		
1/29/2025		<0.1		<0.1	0.0517 (J)
7/28/2025	0.0357 (J)				
7/29/2025			0.0648 (J)	<0.1	
7/30/2025		<0.1			0.0506 (J)
Mean	0.2158	0.08673	0.1609	0.102	0.1094
Std. Dev.	0.2133	0.03592	0.06761	0.03436	0.1097
Upper Lim.	0.2	0.1	0.2	0.18	0.1
Lower Lim.	0.17	0.0546	0.09	0.0596	0.07

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-12	GWC-13	GWC-14	GWC-15
8/31/2016	0.55	0.7	<0.1		
9/1/2016				0.25 (J)	<0.1
10/25/2016				0.43	0.5
10/26/2016		0.91	0.55		
10/27/2016	0.26 (J)				
1/4/2017		0.51			
1/5/2017			0.09 (J)	0.21 (J)	0.22 (J)
1/6/2017	0.25 (J)				
4/3/2017					<0.1
4/4/2017				0.45	
4/5/2017		0.71			
4/6/2017	0.16 (J)		<0.1		
7/10/2017		0.88			
7/11/2017				0.41	0.06 (J)
7/12/2017	0.2 (J)		<0.1		
10/2/2017				<0.1	<0.1
10/4/2017	0.22 (J)	0.37	<0.1		
1/9/2018				<0.1	<0.1
1/10/2018			<0.1		
1/11/2018	0.98	1.4			
7/9/2018				<0.1	
7/10/2018					0.15 (J)
7/11/2018	0.14 (J)	0.62	<0.1		
1/16/2019			<0.1	<0.1	
1/17/2019		1.2			<0.1
1/18/2019	0.24 (J)				
3/26/2019			0.052 (J)	0.13 (J)	0.13 (J)
3/27/2019	0.13 (J)	0.036 (J)			
8/27/2019		0.3	<0.1	<0.1	<0.1
8/28/2019	0.088 (J)				
10/8/2019			<0.1	<0.1	<0.1
10/9/2019	0.068 (J)	<0.3			
4/7/2020		0.27 (J)		<0.1	<0.1
4/8/2020	0.058 (J)		<0.1		
8/17/2020		0.19	<0.1		
8/18/2020				<0.1	<0.1
8/19/2020	0.092 (J)				
9/28/2020			<0.1		
9/29/2020		0.16		<0.1	
9/30/2020					<0.1
10/1/2020	<0.1				
3/10/2021	0.066 (J)	0.14			
3/12/2021					<0.1
3/15/2021			<0.1		
3/16/2021				<0.1	
9/21/2021		0.31	<0.1		
9/22/2021	0.13			<0.1	
9/23/2021					<0.1
2/2/2022	<0.1			<0.1	
2/3/2022		0.36	<0.1		<0.1
8/30/2022		0.273		<0.1	
8/31/2022			0.051 (J)		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-12	GWC-13	GWC-14	GWC-15
9/1/2022	0.0783 (J)				
2/1/2023	0.0994 (J)	0.231	0.0423 (J)		
2/2/2023				<0.1	<0.1
8/29/2023	0.115		<0.1		
9/6/2023		0.238		<0.1	
9/7/2023					<0.1
1/24/2024	0.0618 (J)				<0.1
1/25/2024		0.182	<0.1	<0.1	
8/21/2024	0.134	0.194	0.0496 (J)	<0.1	<0.1
1/29/2025	0.0734 (J)	0.232	<0.1	<0.1	<0.1
7/30/2025	0.0743 (J)	0.137	<0.1	<0.1	<0.1
Mean	0.1747	0.4281	0.1094	0.1512	0.1224
Std. Dev.	0.199	0.3546	0.09376	0.1113	0.08338
Upper Lim.	0.1815	0.5347	0.1	0.13	0.13
Lower Lim.	0.08692	0.2335	0.09	0.1	0.1

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016					0.04 (J)
9/1/2016	0.55	0.68	<0.5	<0.1	
10/25/2016	0.36		<0.5	<0.1	
10/26/2016		0.68			0.12 (J)
1/4/2017	0.1 (J)		0.04 (J)	<0.1	0.06 (J)
1/5/2017		0.73			
4/4/2017			0.02 (J)	<0.1	
4/5/2017	0.2 (J)	1.6			
4/6/2017					<0.1
7/11/2017			0.14 (J)		0.03 (J)
7/12/2017	0.04 (J)				
7/13/2017		1.7		<0.1	
10/2/2017			<0.5		
10/3/2017	0.86			<0.1	
10/4/2017		1.8			0.12 (J)
1/9/2018				<0.1	
1/10/2018	<0.1		<0.5		
1/11/2018		1.5			<0.1
7/9/2018			<0.5		
7/10/2018	<0.1			<0.1	
7/11/2018		1.8			<0.1
1/16/2019		1.4			
1/17/2019	<0.1			<0.1	
1/18/2019					<0.1
1/21/2019			<0.5		
3/25/2019			0.043 (J)		
3/26/2019	0.11 (J)	0.89		0.071 (J)	
3/27/2019					<0.1
8/27/2019					0.1
8/28/2019	<0.1	0.61	<0.5	<0.1	
10/8/2019	<0.1			<0.1	
10/9/2019		<0.3	<0.5		<0.1
4/7/2020	<0.1			<0.1	<0.1
4/8/2020		0.55	<0.5		
8/18/2020	<0.1	0.51	<0.5	<0.1	<0.1
9/30/2020	<0.1	0.15	<0.5	<0.1	<0.1
3/10/2021					<0.1
3/11/2021		0.42			
3/12/2021			<0.5		
3/16/2021	<0.1			<0.1	
9/21/2021					<0.1
9/22/2021	<0.1	0.79	<0.5	<0.1	
2/1/2022	<0.1	0.68	<0.5	<0.1	
2/3/2022					<0.1
8/30/2022			<0.5	<0.1	
8/31/2022		0.442			<0.1
9/1/2022	0.0374 (J)				
2/1/2023	0.0702 (J)	0.604	<0.5		
2/2/2023				<0.1	<0.1
8/29/2023		0.572			0.0758 (J)
9/6/2023	<0.1		<0.5	<0.1	
1/23/2024					<0.1

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/24/2024		0.416	<0.5		
1/25/2024	<0.1			<0.1	
8/21/2024	<0.1	0.642	0.168		<0.1
8/22/2024				<0.1	
1/28/2025		0.437			<0.1
1/29/2025	<0.1		<0.5	<0.1	
7/29/2025		0.418	0.269 (J)		0.0732 (J)
7/30/2025	<0.1			<0.1	
Mean	0.1571	0.8068	0.4072	0.09884	0.09276
Std. Dev.	0.1808	0.5081	0.1743	0.0058	0.0213
Upper Lim.	0.11	0.9874	0.5	0.1	0.1
Lower Lim.	0.1	0.5197	0.269	0.071	0.1

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.11	<0.1
1/21/2021	<0.1	<0.1		
3/11/2021	<0.1	<0.1	0.12	<0.1
9/21/2021				<0.1
9/22/2021	<0.1	<0.1		
9/23/2021			0.096 (J)	
2/1/2022		<0.1		
2/2/2022				<0.1
2/3/2022	<0.1		0.077 (J)	
8/31/2022	0.0791 (J)		0.187	
9/1/2022		<0.1		
2/1/2023	0.0586 (J)			
2/2/2023		<0.1	0.152	
9/6/2023	0.13	0.147		
9/7/2023			0.198	
1/24/2024	0.0432 (J)			
1/25/2024		<0.1	0.168	<0.1
8/20/2024				0.0444 (J)
8/21/2024	0.0361 (J)	0.037 (J)	0.216	
1/28/2025				<0.1
1/29/2025	0.0432 (J)	0.0457 (J)	0.119	
7/29/2025	<0.1			0.0444 (J)
7/30/2025		0.0345 (J)	0.11	
Mean	0.08093	0.08765	0.1412	0.0861
Std. Dev.	0.03096	0.03426	0.04562	0.02574
Upper Lim.	0.08091	0.1	0.1792	0.1
Lower Lim.	0.03477	0.037	0.1032	0.0444

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.002	<0.002
1/18/2016	0.0055 (J)	<0.002	<0.002		
7/27/2016		<0.002		<0.002	<0.002
7/28/2016			<0.002		
7/29/2016	0.003 (J)				
8/30/2016		<0.002	<0.002	<0.002	
8/31/2016					<0.002
9/1/2016	0.0166 (O)				
10/25/2016				<0.002	
10/26/2016	0.0057	0.0002 (J)	<0.002		<0.002
1/3/2017		0.0001 (J)			
1/4/2017				<0.002	
1/5/2017			0.0003 (J)		<0.002
1/6/2017	0.0053				
4/4/2017	0.0092			<0.002	0.0002 (J)
4/6/2017		0.0003 (J)	0.0002 (J)		
7/12/2017	0.006	0.0002 (J)	0.0002 (J)	<0.002	
7/13/2017					0.0003 (J)
10/3/2017		0.0002 (J)	0.0001 (J)	<0.002	<0.002
10/4/2017	0.0057				
1/9/2018			0.0003 (J)		
1/10/2018		0.0003 (J)		0.0001 (J)	8E-05 (J)
1/11/2018	0.0085				
7/10/2018		<0.002	<0.002	<0.002	<0.002
7/11/2018	0.0029 (J)				
1/16/2019	<0.002	<0.002	<0.002	<0.002	
1/21/2019					<0.002
3/25/2019	<0.002				
3/26/2019		<0.002	<0.002	<0.002	
7/30/2019					0.0002 (J)
8/27/2019	0.001 (J)		0.0011 (J)	<0.002	<0.002
8/28/2019		0.0011 (J)			
10/9/2019	0.00041 (J)	0.0025 (J)	0.00033 (J)	<0.002	6.4E-05 (J)
4/7/2020	0.00073 (J)	0.0014 (J)	0.00063 (J)	0.00012 (J)	
4/8/2020					<0.002
8/18/2020					<0.002
8/19/2020	0.00048 (J)	7.9E-05 (J)	0.00014 (J)	<0.002	
9/28/2020				4.3E-05 (J)	
9/29/2020					<0.002
9/30/2020		0.0012 (J)	8E-05 (J)		
10/1/2020	0.00026 (J)				
3/10/2021	0.0003 (J)	5.2E-05 (J)	9.6E-05 (J)	0.0001 (J)	
3/15/2021					4.1E-05 (J)
9/21/2021	<0.002	<0.002	<0.002		
9/22/2021					<0.002
9/23/2021				<0.002	
2/2/2022	<0.002		<0.002		<0.002
2/3/2022		<0.002		<0.002	
8/30/2022	<0.002	<0.002	<0.002		
9/1/2022				<0.002	<0.002
2/1/2023		<0.002	<0.002		
2/2/2023	<0.002			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	<0.002	<0.002	<0.002	<0.002	<0.002
1/23/2024			<0.002	<0.002	
1/25/2024					<0.002
2/7/2024	<0.002				
2/8/2024		<0.002			
8/20/2024	<0.002		<0.002	<0.002	
8/21/2024		0.000522 (J)			<0.002
1/28/2025	<0.002		<0.002		
1/29/2025		<0.002		<0.002	<0.002
7/28/2025	<0.002				
7/29/2025			<0.002	<0.002	
7/30/2025		<0.002			<0.002
Mean	0.002961	0.001339	0.001314	0.001717	0.001588
Std. Dev.	0.002464	0.0008558	0.000864	0.0006913	0.0007861
Upper Lim.	0.002633	0.002	0.002	0.002	0.002
Lower Lim.	0.0006847	0.0003	0.0003	0.00012	0.0003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					<0.002
1/18/2016	<0.002		0.0034 (J)	<0.002	
1/19/2016		<0.002			
4/26/2016					<0.002
7/26/2016		0.0001 (J)		<0.002	
7/27/2016			0.0001 (J)		<0.002
7/28/2016	<0.002				
8/31/2016	0.0007 (J)	0.0002 (J)	0.0001 (J)	<0.002	
9/1/2016					<0.002
10/25/2016					<0.002
10/26/2016		0.0001 (J)	0.0001 (J)	<0.002	
10/27/2016	<0.002				
1/4/2017		0.0002 (J)	<0.002		
1/5/2017				0.0002 (J)	<0.002
1/6/2017	<0.002				
4/4/2017					0.0001 (J)
4/5/2017			0.0003 (J)		
4/6/2017	0.0001 (J)	0.0003 (J)		0.0005 (J)	
7/10/2017			0.0003 (J)		
7/11/2017		0.0002 (J)			8E-05 (J)
7/12/2017	<0.002			0.0005 (J)	
10/2/2017					0.0001 (J)
10/3/2017		0.0003 (J)			
10/4/2017	9E-05 (J)		0.0001 (J)	0.0007 (J)	
1/9/2018					<0.002
1/10/2018				0.0009 (J)	
1/11/2018	0.0002 (J)	0.0003 (J)	0.0002 (J)		
7/9/2018					<0.002
7/11/2018	<0.002	<0.002	<0.002	0.0015 (J)	
1/16/2019				0.00061 (J)	<0.002
1/17/2019		0.00028 (J)	<0.002		
1/18/2019	<0.002				
3/26/2019				<0.002	<0.002
3/27/2019	<0.002	0.00029 (J)	<0.002		
8/27/2019		0.00021 (J)	<0.002	0.0001 (J)	0.00051 (J)
8/28/2019	6.1E-05 (J)				
10/8/2019		0.00028 (J)		0.00013 (J)	<0.002
10/9/2019	<0.002		6.6E-05 (J)		
4/7/2020		0.00036 (J)	8.1E-05 (J)		<0.002
4/8/2020	0.00021 (J)			0.00017 (J)	
8/17/2020			4.9E-05 (J)	7.6E-05 (J)	
8/18/2020		0.00035 (J)			<0.002
8/19/2020	9.6E-05 (J)				
9/28/2020				6.4E-05 (J)	
9/29/2020		0.00032 (J)	3.7E-05 (J)		<0.002
10/1/2020	3.8E-05 (J)				
3/10/2021	0.00012 (J)	0.00042 (J)	6.8E-05 (J)		
3/15/2021				0.00013 (J)	
3/16/2021					<0.002
9/21/2021		<0.002	<0.002	<0.002	
9/22/2021	<0.002				<0.002
2/2/2022	<0.002				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		<0.002	<0.002	<0.002	
8/30/2022			<0.002		<0.002
8/31/2022		<0.002		<0.002	
9/1/2022	<0.002				
2/1/2023	<0.002	<0.002	<0.002	<0.002	
2/2/2023					<0.002
8/29/2023	<0.002			<0.002	
9/6/2023		<0.002	<0.002		<0.002
1/24/2024	<0.002	<0.002			
1/25/2024			<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002
1/28/2025		<0.002			
1/29/2025	<0.002		<0.002	<0.002	<0.002
7/29/2025		<0.002			
7/30/2025	<0.002		<0.002	<0.002	<0.002
Mean	0.001393	0.0009707	0.001219	0.001244	0.001743
Std. Dev.	0.0008818	0.0008723	0.001033	0.0008499	0.0006461
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.0002	0.00028	0.0001	0.0002	0.00051

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	<0.002	<0.002		<0.002	<0.002
1/18/2016			<0.002		
4/26/2016		<0.002			
7/27/2016	<0.002				
7/28/2016		<0.002		<0.002	<0.002
7/29/2016			<0.002		
9/1/2016	<0.002	<0.002	<0.002	<0.002	<0.002
10/25/2016	<0.002	0.0002 (J)		0.0001 (J)	<0.002
10/26/2016			<0.002		
1/4/2017		0.0001 (J)		<0.002	<0.002
1/5/2017	<0.002		<0.002		
4/3/2017	0.0003 (J)				
4/4/2017				7E-05 (J)	9E-05 (J)
4/5/2017		0.0002 (J)	0.0009 (J)		
7/11/2017	0.0001 (J)			<0.002	
7/12/2017		0.0001 (J)			
7/13/2017			<0.002		7E-05 (J)
10/2/2017	0.0002 (J)			<0.002	
10/3/2017		0.0001 (J)			0.0001 (J)
10/4/2017			0.0001 (J)		
1/9/2018	0.0002 (J)				9E-05 (J)
1/10/2018		0.0002 (J)		0.0002 (J)	
1/11/2018			0.0001 (J)		
7/9/2018				<0.002	
7/10/2018	<0.002	<0.002			<0.002
7/11/2018			<0.002		
1/16/2019			<0.002		
1/17/2019	<0.002	<0.002			<0.002
1/21/2019				<0.002	
3/25/2019				<0.002	
3/26/2019	<0.002	<0.002	<0.002		<0.002
8/27/2019	0.00033 (J)				
8/28/2019		0.0001 (J)	<0.002	6.5E-05 (J)	0.00018 (J)
10/8/2019	0.00012 (J)	0.0001 (J)			0.00016 (J)
10/9/2019			0.00015 (J)	0.00018 (J)	
4/7/2020	8.6E-05 (J)	0.00023 (J)			<0.002
4/8/2020			8.4E-05 (J)	<0.002	
8/18/2020	9E-05 (J)	0.00017 (J)	0.00014 (J)	<0.002	0.00027 (J)
9/30/2020	4.7E-05 (J)	9.1E-05 (J)	6E-05 (J)	<0.002	5.4E-05 (J)
3/11/2021			0.00019 (J)		
3/12/2021	5.3E-05 (J)			<0.002	
3/16/2021		7.3E-05 (J)			<0.002
9/22/2021		<0.002	<0.002	<0.002	<0.002
9/23/2021	<0.002				
2/1/2022		<0.002	<0.002	<0.002	<0.002
2/3/2022	<0.002				
8/30/2022				<0.002	<0.002
8/31/2022	<0.002		<0.002		
9/1/2022		<0.002			
2/1/2023		<0.002	<0.002	<0.002	
2/2/2023	<0.002				<0.002
8/29/2023			<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		<0.002		<0.002	<0.002
9/7/2023	<0.002				
1/24/2024	<0.002		<0.002	<0.002	
1/25/2024		<0.002			<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	
8/22/2024					<0.002
1/28/2025			<0.002		
1/29/2025	<0.002	<0.002		<0.002	<0.002
7/29/2025			<0.002	<0.002	
7/30/2025	<0.002	<0.002			<0.002
Mean	0.001316	0.001202	0.001471	0.001652	0.001445
Std. Dev.	0.000911	0.0009387	0.0008429	0.0007434	0.0008725
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.0002	0.00017	0.00019	0.0002	0.00018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
1/18/2016	<0.002				
7/29/2016	0.0004 (J)				
8/31/2016	0.0003 (J)				
10/26/2016	0.0003 (J)				
1/4/2017	0.0003 (J)				
4/6/2017	0.0003 (J)				
7/11/2017	0.0002 (J)				
10/4/2017	0.0008 (J)				
1/11/2018	0.0009 (J)				
7/11/2018	0.001 (J)				
1/18/2019	0.0012 (J)				
3/27/2019	0.00047 (J)				
8/27/2019	0.003 (J)				
10/9/2019	0.00032 (J)				
4/7/2020	0.00067 (J)				
8/18/2020	0.00072 (J)				
9/30/2020	0.00023 (J)				
3/10/2021	0.00016 (J)				
3/11/2021		5.7E-05 (J)	9.4E-05 (J)	9.5E-05 (J)	0.00015 (J)
9/21/2021	<0.002				<0.002
9/22/2021		<0.002	<0.002		
9/23/2021				<0.002	
2/1/2022			<0.002		
2/2/2022					<0.002
2/3/2022	<0.002	<0.002		<0.002	
8/31/2022	<0.002	<0.002		<0.002	
9/1/2022			<0.002		
2/1/2023		<0.002			
2/2/2023	<0.002		<0.002	<0.002	
8/29/2023	0.000511 (J)				
9/6/2023		<0.002	<0.002		
9/7/2023				<0.002	
1/23/2024	<0.002				
1/24/2024		<0.002			
1/25/2024			<0.002	<0.002	<0.002
8/20/2024					<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	
1/28/2025	<0.002				<0.002
1/29/2025		<0.002	<0.002	<0.002	
7/29/2025	<0.002	<0.002			<0.002
7/30/2025			<0.002	<0.002	
Mean	0.001103	0.001806	0.001809	0.00181	0.001736
Std. Dev.	0.0008374	0.0006144	0.0006027	0.0006024	0.0006992
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00032	0.002	0.002	0.002	0.00015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-9	GWC-12	GWC-13
8/30/2016		0.0042 (J)			
8/31/2016			<0.05 (O)	<0.01	<0.01
9/1/2016	0.0092 (J)				
10/26/2016	0.0046 (J)	<0.01		<0.01	<0.01
10/27/2016			0.0023 (J)		
1/3/2017		0.0024 (J)			
1/4/2017				<0.01	
1/5/2017					<0.01
1/6/2017	0.0042 (J)		0.0021 (J)		
4/4/2017	0.0056 (J)				
4/5/2017				0.0012 (J)	
4/6/2017		0.0051 (J)	0.0021 (J)		<0.01
7/10/2017				<0.01	
7/12/2017	0.0035 (J)	0.0031 (J)	0.0017 (J)		<0.01
10/3/2017		0.0027 (J)			
10/4/2017	0.0041 (J)		0.0021 (J)	<0.01	<0.01
1/10/2018		0.0041 (J)			<0.01
1/11/2018	0.0052 (J)		0.0022 (J)	<0.01	
7/10/2018		0.005 (J)			
7/11/2018	0.0039 (J)		0.0019 (J)	0.00098 (J)	<0.01
8/27/2019	0.013 (J)			0.00094 (J)	<0.01
8/28/2019		<0.01	0.0018 (J)		
10/8/2019					<0.01
10/9/2019	0.013 (J)	<0.01	0.0018 (J)	0.0011 (J)	
4/7/2020	0.014 (J)	<0.01		0.00094 (J)	
4/8/2020			0.0018 (J)		<0.01
8/17/2020				0.00091 (J)	<0.01
8/19/2020	0.014 (J)	<0.01	0.0019 (J)		
9/28/2020					<0.01
9/29/2020				0.00086 (J)	
9/30/2020		<0.01			
10/1/2020	0.013 (J)		0.0019 (J)		
3/10/2021	0.012 (J)	<0.01	0.0018 (J)	0.00095 (J)	
3/15/2021					<0.01
9/21/2021	0.016 (J)	<0.01		0.00091 (J)	0.00087 (J)
9/22/2021			0.0015 (J)		
2/2/2022	0.015 (J)		0.0017 (J)		
2/3/2022		<0.01		0.001 (J)	0.00077 (J)
8/30/2022	0.0175	<0.01		<0.01	
8/31/2022					<0.01
9/1/2022			<0.01		
2/1/2023		<0.01	<0.01	<0.01	<0.01
2/2/2023	0.0184				
8/29/2023	0.0191	<0.01	<0.01		<0.01
9/6/2023				<0.01	
1/24/2024			<0.01		
1/25/2024				<0.01	<0.01
2/7/2024	0.0212				
2/8/2024		<0.01			
8/20/2024	0.0194				
8/21/2024		<0.01	<0.01	<0.01	<0.01
1/28/2025	0.0268				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-9	GWC-12	GWC-13
1/29/2025		<0.01	<0.01	<0.01	<0.01
7/28/2025	0.0188				
7/30/2025		<0.01	<0.01	<0.01	<0.01
Mean	0.01267	0.008113	0.004482	0.006078	0.009202
Std. Dev.	0.006615	0.002971	0.003862	0.004573	0.002645
Upper Lim.	0.01613	0.01	0.01	0.01	0.01
Lower Lim.	0.009214	0.005	0.0018	0.00095	0.00087

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17
9/1/2016	0.0066 (J)
10/26/2016	0.0065 (J)
1/5/2017	0.0062 (J)
4/5/2017	0.007 (J)
7/13/2017	0.0069 (J)
10/4/2017	0.0082 (J)
1/11/2018	0.0061 (J)
7/11/2018	0.0075 (J)
8/28/2019	0.0041 (J)
10/9/2019	0.0046 (J)
4/8/2020	0.0051 (J)
8/18/2020	0.0065 (J)
9/30/2020	0.0041 (J)
3/11/2021	0.0036 (J)
9/22/2021	0.005 (J)
2/1/2022	0.0061 (J)
8/31/2022	0.00688 (J)
2/1/2023	0.00532 (J)
8/29/2023	0.00502 (J)
1/24/2024	0.00477 (J)
8/21/2024	0.00567 (J)
1/28/2025	0.00463 (J)
7/29/2025	0.00495 (J)
Mean	0.00571
Std. Dev.	0.001195
Upper Lim.	0.006336
Lower Lim.	0.005085

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		<0.0002	<0.0002	4E-05 (J)	
8/31/2016					<0.0002
9/1/2016	<0.0002				
10/25/2016				<0.0002	
10/26/2016	<0.0002	<0.0002	<0.0002		<0.0002
1/3/2017		<0.0002			
1/4/2017				<0.0002	
1/5/2017			<0.0002		<0.0002
1/6/2017	<0.0002				
4/4/2017	<0.0002			<0.0002	<0.0002
4/6/2017		<0.0002	<0.0002		
7/12/2017	<0.0002	<0.0002	<0.0002	<0.0002	
7/13/2017					<0.0002
10/3/2017		<0.0002	<0.0002	<0.0002	<0.0002
10/4/2017	<0.0002				
1/9/2018			<0.0002		
1/10/2018		<0.0002		<0.0002	<0.0002
1/11/2018	<0.0002				
7/10/2018		<0.0002	<0.0002	<0.0002	<0.0002
7/11/2018	<0.0002				
1/16/2019	4.9E-05 (J)	<0.0002	4.3E-05 (J)	<0.0002	
1/21/2019					<0.0002
7/30/2019					<0.0002
8/27/2019	<0.0002		<0.0002	<0.0002	<0.0002
8/28/2019		<0.0002			
10/9/2019		<0.0002			
8/18/2020					<0.0002
8/19/2020	<0.0002	<0.0002	<0.0002	<0.0002	
9/21/2021	0.0001 (J)	0.0001 (J)	0.0001 (J)		
9/22/2021					0.0001 (J)
9/23/2021				0.0001 (J)	
2/2/2022	<0.0002		<0.0002		<0.0002
2/3/2022		<0.0002		<0.0002	
8/30/2022	<0.0002	8.7E-05 (J)	<0.0002		
9/1/2022				<0.0002	<0.0002
2/1/2023		<0.0002	<0.0002		
2/2/2023	<0.0002			<0.0002	<0.0002
8/29/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/23/2024			<0.0002	<0.0002	
1/25/2024					<0.0002
2/7/2024	0.000487				
2/8/2024		0.000135 (J)			
8/20/2024	<0.0002		<0.0002	<0.0002	
8/21/2024		<0.0002			<0.0002
1/28/2025	0.000287		<0.0002		
1/29/2025		<0.0002		0.000274	<0.0002
7/28/2025	<0.0002				
7/29/2025			<0.0002	<0.0002	
7/30/2025		<0.0002			<0.0002
Mean	0.0002061	0.0001868	0.0001871	0.0001907	0.0001952
Std. Dev.	8.013E-05	3.414E-05	4.062E-05	4.551E-05	2.182E-05
Upper Lim.	0.000287	0.0002	0.0002	0.000274	0.0002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
Lower Lim.	0.0001	0.000135	0.0001	0.0001	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002	
9/1/2016					<0.0002
10/25/2016					<0.0002
10/26/2016		<0.0002	<0.0002	<0.0002	
10/27/2016	<0.0002				
1/4/2017		<0.0002	<0.0002		
1/5/2017				<0.0002	<0.0002
1/6/2017	<0.0002				
4/4/2017					<0.0002
4/5/2017			<0.0002		
4/6/2017	<0.0002	<0.0002		0.00013 (J)	
7/10/2017			<0.0002		
7/11/2017		<0.0002			<0.0002
7/12/2017	<0.0002			<0.0002	
10/2/2017					<0.0002
10/3/2017		<0.0002			
10/4/2017	5E-05 (J)		<0.0002	<0.0002	
1/9/2018					<0.0002
1/10/2018				<0.0002	
1/11/2018	<0.0002	<0.0002	<0.0002		
7/9/2018					<0.0002
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002	
1/16/2019				<0.0002	<0.0002
1/17/2019		<0.0002	<0.0002		
1/18/2019	<0.0002				
8/27/2019		<0.0002	<0.0002	<0.0002	<0.0002
8/28/2019	<0.0002				
8/17/2020			<0.0002	<0.0002	
8/18/2020		<0.0002			<0.0002
8/19/2020	<0.0002				
9/21/2021		0.0001 (J)	0.0001 (J)	0.0001 (J)	
9/22/2021	0.00011 (J)				0.00011 (J)
2/2/2022	<0.0002				<0.0002
2/3/2022		<0.0002	<0.0002	<0.0002	
8/30/2022			<0.0002		<0.0002
8/31/2022		<0.0002		<0.0002	
9/1/2022	<0.0002				
2/1/2023	<0.0002	<0.0002	<0.0002	<0.0002	
2/2/2023					<0.0002
8/29/2023	<0.0002			<0.0002	
9/6/2023		<0.0002	<0.0002		<0.0002
1/24/2024	<0.0002	<0.0002			
1/25/2024			<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/28/2025		<0.0002			
1/29/2025	9.5E-05 (J)		<0.0002	<0.0002	<0.0002
7/29/2025		<0.0002			
7/30/2025	<0.0002		<0.0002	<0.0002	<0.0002
Mean	0.0001827	0.000195	0.000195	0.0001915	0.0001955
Std. Dev.	4.333E-05	2.236E-05	2.236E-05	2.661E-05	2.012E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00011	0.0001	0.0001	0.00013	0.00011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/1/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/25/2016	<0.0002	<0.0002		<0.0002	<0.0002
10/26/2016			<0.0002		
1/4/2017		<0.0002		<0.0002	<0.0002
1/5/2017	<0.0002		<0.0002		
4/3/2017	<0.0002				
4/4/2017				<0.0002	<0.0002
4/5/2017		<0.0002	<0.0002		
7/11/2017	<0.0002			<0.0002	
7/12/2017		<0.0002			
7/13/2017			<0.0002		<0.0002
10/2/2017	<0.0002			<0.0002	
10/3/2017		<0.0002			<0.0002
10/4/2017			<0.0002		
1/9/2018	<0.0002				<0.0002
1/10/2018		<0.0002		<0.0002	
1/11/2018			<0.0002		
7/9/2018				<0.0002	
7/10/2018	<0.0002	<0.0002			<0.0002
7/11/2018			<0.0002		
1/16/2019			<0.0002		
1/17/2019	<0.0002	<0.0002			<0.0002
1/21/2019				<0.0002	
8/27/2019	<0.0002				
8/28/2019		<0.0002	<0.0002	<0.0002	<0.0002
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/22/2021		0.0001 (J)	0.00011 (J)	0.00011 (J)	0.00011 (J)
9/23/2021	0.0001 (J)				
2/1/2022		<0.0002	<0.0002	<0.0002	<0.0002
2/3/2022	<0.0002				
8/30/2022				<0.0002	<0.0002
8/31/2022	<0.0002		<0.0002		
9/1/2022		<0.0002			
2/1/2023		<0.0002	<0.0002	<0.0002	
2/2/2023	<0.0002				<0.0002
8/29/2023			<0.0002		
9/6/2023		<0.0002		<0.0002	<0.0002
9/7/2023	<0.0002				
1/24/2024	<0.0002		0.000172 (J)	<0.0002	
1/25/2024		<0.0002			<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	
8/22/2024					<0.0002
1/28/2025			0.000349		
1/29/2025	<0.0002	<0.0002		<0.0002	<0.0002
7/29/2025			<0.0002	<0.0002	
7/30/2025	<0.0002	<0.0002			<0.0002
Mean	0.000195	0.000195	0.0002015	0.0001955	0.0001955
Std. Dev.	2.236E-05	2.236E-05	4.042E-05	2.012E-05	2.012E-05
Upper Lim.	0.0002	0.0002	0.000349	0.0002	0.0002
Lower Lim.	0.0001	0.0001	0.000172	0.00011	0.00011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
8/31/2016	<0.0002				
10/26/2016	<0.0002				
1/4/2017	<0.0002				
4/6/2017	<0.0002				
7/11/2017	<0.0002				
10/4/2017	<0.0002				
1/11/2018	<0.0002				
7/11/2018	<0.0002				
1/18/2019	<0.0002				
8/27/2019	<0.0002				
8/18/2020	<0.0002				
9/21/2021	0.0001 (J)				0.0001 (J)
9/22/2021		0.00011 (J)	0.0001 (J)		
9/23/2021				0.0001 (J)	
2/1/2022			<0.0002		
2/2/2022					<0.0002
2/3/2022	<0.0002	<0.0002		<0.0002	
8/31/2022	<0.0002	<0.0002		<0.0002	
9/1/2022			<0.0002		
2/1/2023		<0.0002			
2/2/2023	<0.0002		<0.0002	<0.0002	
8/29/2023	<0.0002				
9/6/2023		<0.0002	<0.0002		
9/7/2023				<0.0002	
1/23/2024	<0.0002				
1/24/2024		<0.0002			
1/25/2024			<0.0002	<0.0002	<0.0002
8/20/2024					<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	
1/28/2025	<0.0002				<0.0002
1/29/2025		<0.0002	0.000222	0.000333	
7/29/2025	<0.0002	<0.0002			<0.0002
7/30/2025			<0.0002	<0.0002	
Mean	0.000195	0.00019	0.0001913	0.0002037	0.0001833
Std. Dev.	2.236E-05	3E-05	3.501E-05	5.87E-05	4.082E-05
Upper Lim.	0.0002	0.0002	0.000222	0.000333	0.0002
Lower Lim.	0.0001	0.00011	0.0001	0.0001	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		<0.001	<0.01	0.175	
8/31/2016					<0.001
9/1/2016	0.035				
10/25/2016				0.242	
10/26/2016	0.0267	<0.001	<0.01		<0.001
1/3/2017		<0.001			
1/4/2017				0.167	
1/5/2017			<0.01		<0.001
1/6/2017	0.0278				
4/4/2017	0.0265			0.172	<0.001
4/6/2017		<0.001	<0.01		
7/12/2017	0.0209	<0.001	<0.01	0.182	
7/13/2017					<0.001
10/3/2017		<0.001	<0.01	0.162	<0.001
10/4/2017	0.0181				
1/9/2018			<0.01		
1/10/2018		<0.001		0.117	<0.001
1/11/2018	0.0237				
7/10/2018		<0.001	<0.01	0.11	<0.001
7/11/2018	0.024				
1/16/2019				0.087	
7/30/2019					<0.001
8/27/2019	0.1		0.0026 (J)	0.06	<0.001
8/28/2019		0.0012 (J)			
10/9/2019	0.1	<0.001	<0.01	0.06	<0.001
4/7/2020	0.13	<0.001	<0.01	0.014	
4/8/2020					<0.001
8/18/2020					<0.001
8/19/2020	0.16	<0.001	0.001 (J)	0.061	
9/28/2020				0.059	
9/29/2020					<0.001
9/30/2020		<0.001	0.00097 (J)		
10/1/2020	0.15				
3/10/2021	0.12	<0.001	0.0013 (J)	0.057	
3/15/2021					<0.001
9/21/2021	0.12	<0.001	<0.01		
9/22/2021					<0.001
9/23/2021				0.06	
2/2/2022	0.11		0.00085 (J)		<0.001
2/3/2022		<0.001		0.038	
8/30/2022	0.154	<0.001	0.000649 (J)		
9/1/2022				0.0343	<0.001
2/1/2023		0.00069 (J)	0.000553 (J)		
2/2/2023	0.199			0.0433	<0.001
8/29/2023	0.136	<0.001	0.000729 (J)	0.0293	<0.001
1/23/2024			0.000349 (J)	0.0408	
1/25/2024					0.000312 (J)
2/7/2024	0.138				
2/8/2024		0.002			
8/20/2024	0.103		0.000521 (J)	0.016	
8/21/2024		0.000577 (J)			<0.001
1/28/2025	0.121		0.00042 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/29/2025		0.000347 (J)		0.0405	<0.001
7/28/2025	0.102				
7/29/2025			0.000468 (J)	0.0402	
7/30/2025		0.000258 (J)			<0.001
Mean	0.1344	0.0009597	0.005235	0.08614	0.0009713
Std. Dev.	0.02812	0.0003201	0.004685	0.06368	0.0001404
Upper Lim.	0.1565	0.0012	0.01	0.1079	0.001
Lower Lim.	0.1124	0.00069	0.000649	0.04921	0.000312

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-15
8/31/2016	<0.01	<0.001	<0.001		
9/1/2016				0.0027 (J)	0.132
10/25/2016				0.0028 (J)	0.117
10/26/2016	<0.01	<0.001	<0.001		
1/4/2017	<0.01	<0.001			
1/5/2017			<0.001	0.0022 (J)	0.109
4/3/2017					0.0994
4/4/2017				0.0022 (J)	
4/5/2017		<0.001			
4/6/2017	<0.01		<0.001		
7/10/2017		<0.001			
7/11/2017	<0.01			0.0024 (J)	0.0938
7/12/2017			<0.001		
10/2/2017				0.0025 (J)	0.103
10/3/2017	<0.01				
10/4/2017		<0.001	<0.001		
1/9/2018				0.0038 (J)	0.106
1/10/2018			<0.001		
1/11/2018	0.0018 (J)	<0.001			
7/9/2018				0.01	
7/10/2018					0.088
7/11/2018	<0.01	<0.001	<0.001		
8/27/2019	<0.01	<0.001	<0.001	0.028	0.095
10/8/2019	<0.01		<0.001	0.034	0.091
10/9/2019		<0.001			
4/7/2020	<0.01	<0.001		0.014	0.07
4/8/2020			0.0056 (J)		
8/17/2020		<0.001	<0.001		
8/18/2020	0.00077 (J)			0.017	0.12
9/28/2020			<0.001		
9/29/2020	<0.01	<0.001		0.0089 (J)	
9/30/2020					0.11
3/10/2021	<0.01	<0.001			
3/12/2021					0.098
3/15/2021			<0.001		
3/16/2021				0.0054 (J)	
9/21/2021	<0.01	<0.001	<0.001		
9/22/2021				0.018	
9/23/2021					0.094
2/2/2022				0.015	
2/3/2022	<0.01	<0.001	<0.001		0.086
8/30/2022		0.000205 (J)		0.0133	
8/31/2022	0.000512 (J)		<0.001		0.0786
2/1/2023	0.000613 (J)	<0.001	<0.001		
2/2/2023				0.0167	0.0748
8/29/2023			<0.001		
9/6/2023	0.000804 (J)	<0.001		0.0199	
9/7/2023					0.0588
1/24/2024	0.000534 (J)				0.0677
1/25/2024		<0.001	<0.001	0.0151	
8/21/2024	0.000489 (J)	<0.001	<0.001	0.00505	0.0752
1/28/2025	0.000507 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-15
1/29/2025		<0.001	<0.001	0.014	0.0495
7/29/2025	0.000497 (J)				
7/30/2025		<0.001	<0.001	0.0186	0.041
Mean	0.006371	0.0009654	0.0012	0.01181	0.08947
Std. Dev.	0.004635	0.0001658	0.0009592	0.008725	0.02266
Upper Lim.	0.01	0.001	0.0056	0.01637	0.1013
Lower Lim.	0.000613	0.000205	0.001	0.007243	0.07762

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016					<0.001
9/1/2016	0.08	<0.01	0.296	0.0686	
10/25/2016	0.08		0.395	0.0018 (J)	
10/26/2016		<0.01			<0.001
1/4/2017	0.0786		0.229	0.0222	<0.001
1/5/2017		<0.01			
4/4/2017			0.147	0.0476	
4/5/2017	0.113	<0.01			
4/6/2017					<0.001
7/11/2017			0.136		<0.001
7/12/2017	0.178				
7/13/2017		<0.01		0.0105	
10/2/2017			0.13		
10/3/2017	0.201			0.0031 (J)	
10/4/2017		<0.01			<0.001
1/9/2018				0.09	
1/10/2018	0.161		0.229		
1/11/2018		<0.01			<0.001
7/9/2018			0.13		
7/10/2018	0.14			0.047	
7/11/2018		<0.01			<0.001
8/27/2019					<0.001
8/28/2019	0.22	0.004 (J)	0.11	0.07	
10/8/2019	0.2			0.078	
10/9/2019		0.0036 (J)	0.071		<0.001
4/7/2020	0.25			0.012	<0.001
4/8/2020		0.0024 (J)	0.06		
8/18/2020	0.15	0.00092 (J)	0.097	0.069	<0.001
9/30/2020	0.15	0.0041 (J)	0.33	0.028	<0.001
3/10/2021					<0.001
3/11/2021		0.0038 (J)			
3/12/2021			0.53		
3/16/2021	0.31			0.024	
9/21/2021					<0.001
9/22/2021	0.22	0.0053 (J)	0.5	0.0019 (J)	
2/1/2022	0.18	0.003 (J)	0.77	0.042	
2/3/2022					<0.001
8/30/2022			0.309	0.049	
8/31/2022		0.00252			<0.001
9/1/2022	0.154				
2/1/2023	0.136	0.00484	0.384		
2/2/2023				0.0352	0.000334 (J)
8/29/2023		0.00312			<0.001
9/6/2023	0.0886		0.753	0.0458	
1/23/2024					<0.001
1/24/2024		0.00353	0.12		
1/25/2024	0.0816			0.0355	
8/21/2024	0.114	0.00354	0.506		<0.001
8/22/2024				0.0159	
1/28/2025		0.00404			<0.001
1/29/2025	0.0809		0.546	0.0586	
7/29/2025		0.00493	0.975		0.00364

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
7/30/2025	0.0922			0.0361	
Mean	0.1504	0.00581	0.3371	0.03877	0.001086
Std. Dev.	0.06279	0.003251	0.2523	0.02552	0.0005738
Upper Lim.	0.1832	0.01	0.4691	0.05212	0.00364
Lower Lim.	0.1175	0.00353	0.2051	0.02543	0.000334

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D
1/20/2021			0.0011 (J)
1/21/2021	<0.001	0.0014 (J)	
3/11/2021	<0.001	0.0035 (J)	0.0015 (J)
9/22/2021	<0.001	0.0032 (J)	
9/23/2021			<0.001
2/1/2022		0.0024 (J)	
2/3/2022	<0.001		<0.001
8/31/2022	<0.001		0.000863 (J)
9/1/2022		0.00174	
2/1/2023	<0.001		
2/2/2023		0.00113	<0.001
9/6/2023	<0.001	0.000882 (J)	
9/7/2023			<0.001
1/24/2024	0.000408 (J)		
1/25/2024		0.000995 (J)	0.000257 (J)
8/21/2024	<0.001	0.000894 (J)	<0.001
1/29/2025	<0.001	0.000751 (J)	<0.001
7/29/2025	<0.001		
7/30/2025		0.000628 (J)	<0.001
Mean	0.0009462	0.001593	0.0009745
Std. Dev.	0.0001785	0.001007	0.000287
Upper Lim.	0.001	0.002318	0.0011
Lower Lim.	0.001	0.0008073	0.000863

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.023	<0.005
1/18/2016	<0.005	<0.005	<0.01		
7/27/2016		<0.005		0.002 (J)	0.002 (J)
7/28/2016			<0.01		
7/29/2016	0.0036 (J)				
8/30/2016		<0.005	<0.01	0.002 (J)	
8/31/2016					<0.005
9/1/2016	0.0067 (J)				
10/25/2016				0.0022 (J)	
10/26/2016	0.0042 (J)	<0.005	<0.01		0.0035 (J)
1/3/2017		<0.005			
1/4/2017				0.0016 (J)	
1/5/2017			0.0014 (J)		<0.005
1/6/2017	0.0042 (J)				
4/4/2017	0.0043 (J)			0.0052 (J)	<0.005
4/6/2017		<0.005	<0.01		
7/12/2017	0.0033 (J)	<0.005	<0.01	0.0024 (J)	
7/13/2017					<0.005
10/3/2017		<0.005	<0.01	<0.01	<0.005
10/4/2017	0.0038 (J)				
1/9/2018			<0.01		
1/10/2018		<0.005		0.0018 (J)	<0.005
1/11/2018	0.0029 (J)				
7/10/2018		0.0018 (J)	0.0016 (J)	0.0026 (J)	<0.005
7/11/2018	0.0015 (J)				
1/16/2019	<0.005	<0.005	<0.01	0.0018 (J)	
1/21/2019					<0.005
3/25/2019	<0.005				
3/26/2019		<0.005	0.0068 (J)	0.0023 (J)	
7/30/2019					<0.005
8/27/2019	<0.005		0.0033 (J)	0.0016 (J)	<0.005
8/28/2019		0.0033 (J)			
10/9/2019	<0.005	0.0073 (J)	<0.01	0.0024 (J)	<0.005
4/7/2020	0.0025 (J)	<0.005	<0.01	0.0013 (J)	
4/8/2020					<0.005
8/18/2020					<0.005
8/19/2020	<0.005	<0.005	<0.01	0.002 (J)	
9/28/2020				<0.01	
9/29/2020					<0.005
9/30/2020		<0.005	0.0023 (J)		
10/1/2020	<0.005				
3/10/2021	0.0021 (J)	0.006	0.0049 (J)	0.0026 (J)	
3/15/2021					<0.005
9/21/2021	<0.005	<0.005	0.0016 (J)		
9/22/2021					<0.005
9/23/2021				0.0018 (J)	
2/2/2022	<0.005		0.0017 (J)		<0.005
2/3/2022		<0.005		0.0022 (J)	
8/30/2022	0.00265 (J)	<0.005	0.00277 (J)		
9/1/2022				0.00252 (J)	<0.005
2/1/2023		0.00187 (J)	0.00182 (J)		
2/2/2023	0.00466 (J)			0.0022 (J)	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.00261 (J)	<0.005	0.00204 (J)	0.00182 (J)	<0.005
1/23/2024			0.00223 (J)	0.00168 (J)	
1/25/2024					<0.005
2/7/2024	0.00258 (J)				
2/8/2024		0.00485 (J)			
8/20/2024	0.00381 (J)		0.00254 (J)	0.00155 (J)	
8/21/2024		0.00214 (J)			<0.005
1/28/2025	0.0032 (J)		0.00297 (J)		
1/29/2025		<0.005		0.00158 (J)	<0.005
7/28/2025	0.00415 (J)				
7/29/2025			0.00255 (J)	0.00202 (J)	
7/30/2025		<0.005			<0.005
Mean	0.003991	0.004713	0.005945	0.003117	0.004833
Std. Dev.	0.001199	0.001164	0.003843	0.004107	0.0006355
Upper Lim.	0.003862	0.005	0.01	0.00252	0.005
Lower Lim.	0.002846	0.00485	0.00223	0.0018	0.0035

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-15	GWC-16
1/17/2016			<0.005	<0.005	0.0031 (J)
1/18/2016		<0.005			
1/19/2016	0.023				
4/26/2016			0.00428 (J)		0.00497 (J)
7/26/2016	0.0056 (J)				
7/27/2016		0.0025 (J)	0.0038 (J)	<0.005	
7/28/2016					0.0076 (J)
8/31/2016	0.0084 (J)	0.0019 (J)			
9/1/2016			0.0056 (J)	<0.005	0.0052 (J)
10/25/2016			0.0023 (J)	<0.005	0.0085 (J)
10/26/2016	0.0052 (J)	0.002 (J)			
1/4/2017	0.0062 (J)	<0.005			0.0048 (J)
1/5/2017			0.0038 (J)	<0.005	
4/3/2017				<0.005	
4/4/2017			0.0064 (J)		
4/5/2017		<0.005			0.0068 (J)
4/6/2017	0.0195				
7/10/2017		<0.005			
7/11/2017	<0.01		0.0044 (J)	<0.005	
7/12/2017					0.0048 (J)
10/2/2017			0.004 (J)	<0.005	
10/3/2017	0.0079 (J)				0.0051 (J)
10/4/2017		<0.005			
1/9/2018			0.0019 (J)	0.0019 (J)	
1/10/2018					0.0018 (J)
1/11/2018	0.0054 (J)	<0.005			
7/9/2018			0.0029 (J)		
7/10/2018				0.0086 (J)	0.0045 (J)
7/11/2018	0.0022 (J)	<0.005			
1/16/2019			0.0016 (J)		
1/17/2019	<0.01	<0.005		0.0029 (J)	0.0031 (J)
3/26/2019			0.0022 (J)	0.0074 (J)	0.0033 (J)
3/27/2019	0.0014 (J)	<0.005			
8/27/2019	<0.01	<0.005	0.0035 (J)	0.0092 (J)	
8/28/2019					0.004 (J)
10/8/2019	<0.01		0.0026 (J)	0.014	0.0023 (J)
10/9/2019		<0.005			
4/7/2020	0.0021 (J)	<0.005	0.005 (J)	0.0029 (J)	<0.005
8/17/2020		<0.005			
8/18/2020	0.0028 (J)		0.0029 (J)	0.0022 (J)	0.0058 (J)
9/29/2020	0.0024 (J)	<0.005	0.0051 (J)		
9/30/2020				<0.005	0.0037 (J)
3/10/2021	0.0044 (J)	0.003 (J)			
3/12/2021				0.0064	
3/16/2021			0.0034 (J)		0.0044 (J)
9/21/2021	0.0038 (J)	<0.005			
9/22/2021			0.0034 (J)		0.0031 (J)
9/23/2021				0.0016 (J)	
2/1/2022					0.0024 (J)
2/2/2022			0.0038 (J)		
2/3/2022	0.019	<0.005		0.0031 (J)	
8/30/2022		<0.005	0.00544		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-15	GWC-16
8/31/2022	0.00344 (J)			0.00192 (J)	
9/1/2022					0.00334 (J)
2/1/2023	0.00333 (J)	<0.005			<0.005
2/2/2023			0.0035 (J)	<0.005	
9/6/2023	0.0036 (J)	<0.005	0.00516		0.00161 (J)
9/7/2023				<0.005	
1/24/2024	0.00303 (J)			0.0028 (J)	
1/25/2024		<0.005	0.00311 (J)		0.00185 (J)
8/21/2024	0.00627	<0.005	0.00337 (J)	0.00314 (J)	0.00313 (J)
1/28/2025	0.00324 (J)				
1/29/2025		<0.005	0.00353 (J)	<0.005	<0.005
7/29/2025	0.00252 (J)				
7/30/2025		<0.005	0.00432 (J)	<0.005	0.00347 (J)
Mean	0.006101	0.004607	0.003707	0.004928	0.003935
Std. Dev.	0.005491	0.0009747	0.00118	0.00262	0.001735
Upper Lim.	0.006514	0.005	0.004259	0.004417	0.004746
Lower Lim.	0.003425	0.003	0.003156	0.002297	0.003124

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2016		<0.005	0.021	
1/18/2016	<0.005			<0.005
7/28/2016		<0.005	0.0341	
7/29/2016	0.0011 (J)			0.0022 (J)
8/31/2016				0.0014 (J)
9/1/2016	0.0012 (J)	<0.005	0.0297	
10/25/2016		0.0014 (J)	0.0095 (J)	
10/26/2016	0.0013 (J)			0.001 (J)
1/4/2017		0.0014 (J)	0.022	<0.005
1/5/2017	0.0012 (J)			
4/4/2017		<0.005	0.0236	
4/5/2017	<0.005			
4/6/2017				<0.005
7/11/2017		<0.005		<0.005
7/13/2017	0.0018 (J)		0.013	
10/2/2017		<0.005		
10/3/2017			0.01 (J)	
10/4/2017	0.0042 (J)			0.0023 (J)
1/9/2018			0.0162	
1/10/2018		<0.005		
1/11/2018	<0.005			<0.005
7/9/2018		<0.005		
7/10/2018			0.016	
7/11/2018	0.0016 (J)			<0.005
1/16/2019	<0.005			
1/17/2019			0.011	
1/18/2019				<0.005
1/21/2019		0.0014 (J)		
3/25/2019		<0.005		
3/26/2019	<0.005		0.022	
3/27/2019				<0.005
8/27/2019				<0.005
8/28/2019	<0.005	0.0014 (J)	0.019	
10/8/2019			0.019	
10/9/2019	<0.005	<0.005		<0.005
4/7/2020			0.012	<0.005
4/8/2020	<0.005	0.0013 (J)		
8/18/2020	0.002 (J)	<0.005	0.013	<0.005
9/30/2020	<0.005	<0.005	0.0061 (J)	<0.005
3/10/2021				<0.005
3/11/2021	0.0016 (J)			
3/12/2021		<0.005		
3/16/2021			0.0055	
9/21/2021				<0.005
9/22/2021	<0.005	0.0024 (J)	0.0027 (J)	
2/1/2022	<0.005	<0.005	0.0054	
2/3/2022				<0.005
8/30/2022		0.00192 (J)	0.00648	
8/31/2022	<0.005			<0.005
2/1/2023	<0.005	<0.005		
2/2/2023			0.00542	<0.005
8/29/2023	<0.005			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
9/6/2023		<0.005	0.00554	
1/23/2024				<0.005
1/24/2024	<0.005	0.00455 (J)		
1/25/2024			0.00452 (J)	
8/21/2024	<0.005	0.00209 (J)		<0.005
8/22/2024			0.00594	
1/28/2025	0.00157 (J)			<0.005
1/29/2025		<0.005	0.00511	
7/29/2025	<0.005	<0.005		<0.005
7/30/2025			0.00521	
Mean	0.003799	0.003995	0.01293	0.004515
Std. Dev.	0.001682	0.001559	0.00843	0.001205
Upper Lim.	0.005	0.005	0.01569	0.005
Lower Lim.	0.0018	0.00209	0.008228	0.0023

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-1	GWC-2	GWC-11
8/30/2016		<0.002	<0.002		
8/31/2016				<0.002	<0.002
9/1/2016	<0.002				
10/25/2016			<0.002		
10/26/2016	<0.002	<0.002		<0.002	<0.002
1/3/2017		<0.002			
1/4/2017			<0.002		<0.002
1/5/2017				<0.002	
1/6/2017	<0.002				
4/4/2017	7E-05 (J)		5E-05 (J)	<0.002	
4/6/2017		<0.002			6E-05 (J)
7/11/2017					<0.002
7/12/2017	<0.002	<0.002	<0.002		
7/13/2017				<0.002	
10/3/2017		<0.002	<0.002	<0.002	7E-05 (J)
10/4/2017	<0.002				
1/10/2018		<0.002	<0.002	<0.002	
1/11/2018	7E-05 (J)				0.0001 (J)
7/10/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002				<0.002
1/16/2019			<0.002		
7/30/2019				0.00011 (J)	
8/27/2019	<0.002		<0.002	<0.002	<0.002
8/28/2019		5.7E-05 (J)			
10/8/2019					9.8E-05 (J)
10/9/2019	<0.002	0.00031 (J)	5.4E-05 (J)	<0.002	
4/7/2020	<0.002	<0.002	5.4E-05 (J)		0.00019 (J)
4/8/2020				<0.002	
8/18/2020				<0.002	0.00021 (J)
8/19/2020	<0.002	<0.002	<0.002		
9/28/2020			<0.002		
9/29/2020				<0.002	0.00017 (J)
9/30/2020		<0.002			
10/1/2020	<0.002				
3/10/2021	<0.002	<0.002	<0.002		0.00022 (J)
3/15/2021				<0.002	
9/21/2021	<0.002	<0.002			<0.002
9/22/2021				<0.002	
9/23/2021			<0.002		
2/2/2022	<0.002			<0.002	
2/3/2022		<0.002	<0.002		<0.002
8/30/2022	<0.002	<0.002			
8/31/2022					<0.002
9/1/2022			<0.002	<0.002	
2/1/2023		<0.002			<0.002
2/2/2023	<0.002		<0.002	<0.002	
8/29/2023	<0.002	<0.002	<0.002	<0.002	
9/6/2023					<0.002
1/23/2024			<0.002		
1/24/2024					<0.002
1/25/2024				<0.002	
2/7/2024	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-1	GWC-2	GWC-11
2/8/2024		<0.002			
8/20/2024	<0.002		<0.002		
8/21/2024		<0.002		<0.002	<0.002
1/28/2025	<0.002				<0.002
1/29/2025		<0.002	<0.002	<0.002	
7/28/2025	<0.002				
7/29/2025			<0.002		<0.002
7/30/2025		<0.002		<0.002	
Mean	0.001832	0.001842	0.001757	0.001921	0.001353
Std. Dev.	0.000556	0.0005247	0.0006579	0.0003858	0.0009066
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	7E-05	0.00031	5.4E-05	0.00011	0.00019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-14	GWC-16	GWC-17	GWC-21
8/31/2016	<0.002				
9/1/2016		<0.002	<0.002	<0.002	<0.002
10/25/2016		<0.002	<0.002		<0.002
10/26/2016	0.0003 (J)			<0.002	
1/4/2017	<0.002		<0.002		<0.002
1/5/2017		<0.002		<0.002	
4/4/2017		7E-05 (J)			5E-05 (J)
4/5/2017	0.0002 (J)		6E-05 (J)	0.0001 (J)	
7/10/2017	0.0002 (J)				
7/11/2017		6E-05 (J)			
7/12/2017			<0.002		
7/13/2017				<0.002	<0.002
10/2/2017		<0.002			
10/3/2017			<0.002		<0.002
10/4/2017	0.0002 (J)			0.0001 (J)	
1/9/2018		<0.002			<0.002
1/10/2018			5E-05 (J)		
1/11/2018	0.0002 (J)			0.0001 (J)	
7/9/2018		<0.002			
7/10/2018			<0.002		<0.002
7/11/2018	<0.002			<0.002	
8/27/2019	0.00011 (J)	<0.002			
8/28/2019			<0.002	6.6E-05 (J)	<0.002
10/8/2019		<0.002	<0.002		<0.002
10/9/2019	0.00014 (J)			7.6E-05 (J)	
4/7/2020	0.00013 (J)	<0.002	<0.002		<0.002
4/8/2020				5.6E-05 (J)	
8/17/2020	<0.002				
8/18/2020		<0.002	<0.002	<0.002	<0.002
9/29/2020	<0.002	<0.002			
9/30/2020			<0.002	<0.002	<0.002
3/10/2021	<0.002				
3/11/2021				<0.002	
3/16/2021		<0.002	<0.002		<0.002
9/21/2021	<0.002				
9/22/2021		<0.002	<0.002	<0.002	<0.002
2/1/2022			<0.002	<0.002	<0.002
2/2/2022		<0.002			
2/3/2022	<0.002				
8/30/2022	<0.002	<0.002			<0.002
8/31/2022				<0.002	
9/1/2022			<0.002		
2/1/2023	<0.002		<0.002	<0.002	
2/2/2023		<0.002			<0.002
8/29/2023				<0.002	
9/6/2023	<0.002	<0.002	<0.002		<0.002
1/24/2024				<0.002	
1/25/2024	<0.002	<0.002	<0.002		<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	
8/22/2024					<0.002
1/28/2025				<0.002	
1/29/2025	<0.002	<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-14	GWC-16	GWC-17	GWC-21
7/29/2025				<0.002	
7/30/2025	<0.002	<0.002	<0.002		<0.002
Mean	0.001369	0.001832	0.001831	0.0015	0.001915
Std. Dev.	0.0008845	0.0005575	0.0005604	0.0008607	0.0004066
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.0002	7E-05	6E-05	0.0001	5E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22
8/31/2016	<0.002
10/26/2016	<0.002
1/4/2017	<0.002
4/6/2017	<0.002
7/11/2017	<0.002
10/4/2017	0.0001 (J)
1/11/2018	6E-05 (J)
7/11/2018	<0.002
8/27/2019	8.6E-05 (J)
10/9/2019	<0.002
4/7/2020	6.5E-05 (J)
8/18/2020	0.00017 (J)
9/30/2020	<0.002
3/10/2021	<0.002
9/21/2021	<0.002
2/3/2022	<0.002
8/31/2022	<0.002
2/2/2023	<0.002
8/29/2023	<0.002
1/23/2024	<0.002
8/21/2024	<0.002
1/28/2025	<0.002
7/29/2025	<0.002
Mean	0.001586
Std. Dev.	0.0008031
Upper Lim.	0.002
Lower Lim.	0.00017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.0046 (J)	<0.02
1/18/2016	0.049	0.0069	0.0044 (J)		
7/27/2016		0.0046 (J)		0.0064 (J)	<0.02
7/28/2016			0.0038 (J)		
7/29/2016	0.0388				
1/3/2017		<0.01			
1/4/2017				<0.02	
1/5/2017			0.0077 (J)		<0.02
1/6/2017	0.0341				
4/4/2017	0.0371			0.0061 (J)	<0.02
4/6/2017		0.0063 (J)	0.0069 (J)		
7/12/2017	0.0399	0.0064 (J)	0.0098 (J)	0.0067 (J)	
7/13/2017					<0.02
1/9/2018			0.0086 (J)		
1/10/2018		0.0077 (J)		0.0056 (J)	<0.02
1/11/2018	0.0327				
7/10/2018		0.016	0.0098 (J)	0.0056 (J)	<0.02
7/11/2018	0.02				
1/16/2019	0.0022 (J)	0.0033 (J)	0.077	0.0043 (J)	
1/21/2019					0.0024 (J)
3/25/2019	0.004 (J)				
3/26/2019		0.0058 (J)	0.086	0.0051 (J)	
7/30/2019					<0.02
10/9/2019	<0.01	0.033 (J)	0.018 (J)	<0.02	<0.02
4/7/2020	0.0037 (J)	0.0053 (J)	0.041 (J)	0.0015 (J)	
4/8/2020					<0.02
9/28/2020				0.0042 (J)	
9/29/2020					<0.02
9/30/2020		0.0037 (J)	0.018		
10/1/2020	0.0047 (J)				
3/10/2021	0.0054 (J)	0.0026 (J)	0.027	0.005 (J)	
3/15/2021					<0.02
9/21/2021	0.0027 (J)	0.0039 (J)	0.015		
9/22/2021					<0.02
9/23/2021				0.0042 (J)	
2/2/2022	0.0031 (J)		0.0099 (J)		<0.02
2/3/2022		0.0046 (J)		0.0028 (J)	
8/30/2022	0.00943 (J)	0.0138 (J)	0.0192 (J)		
9/1/2022				0.00748 (J)	0.0045 (J)
2/1/2023		0.0255	0.0201		
2/2/2023	0.021			0.00497 (J)	<0.02
8/29/2023	0.0201	0.00917 (J)	0.0226	0.0146 (J)	0.00777 (J)
1/23/2024			0.022	<0.02	
1/25/2024					<0.02
2/7/2024	0.0119 (J)				
2/8/2024		0.0609			
8/20/2024	0.0189 (J)		0.0155 (J)	<0.02	
8/21/2024		0.0209			<0.02
1/28/2025	0.0116 (J)		0.0211		
1/29/2025		0.0125 (J)		0.00626 (J)	<0.02
7/28/2025	0.0278				
7/29/2025			0.0285	0.00673 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
7/30/2025		0.00844 (J)			0.00539 (J)
Mean	0.01832	0.0121	0.02236	0.008279	0.01728
Std. Dev.	0.01478	0.01342	0.02113	0.006142	0.005975
Upper Lim.	0.02626	0.01291	0.02736	0.00637	0.02
Lower Lim.	0.01039	0.005419	0.01114	0.003686	0.00777

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.028
1/18/2016	<0.02		0.0058	0.0011 (J)	
1/19/2016		0.0025 (J)			
4/26/2016					0.0181
7/26/2016		0.0027 (J)		<0.02	
7/27/2016			0.0058 (J)		0.0189
7/28/2016	<0.02				
10/25/2016					0.0206
1/4/2017		<0.02	<0.01		
1/5/2017				<0.02	0.0172
1/6/2017	<0.02				
4/4/2017					0.0235
4/5/2017			0.0039 (J)		
4/6/2017	<0.02	0.0025 (J)		<0.02	
7/10/2017			0.0062 (J)		
7/11/2017		0.0027 (J)			0.0136
7/12/2017	0.0013 (J)			0.0016 (J)	
10/2/2017					0.0175
1/9/2018					0.0103
1/10/2018				0.0019 (J)	
1/11/2018	<0.02	0.0019 (J)	0.0025 (J)		
7/9/2018					0.0078 (J)
7/11/2018	<0.02	0.0021 (J)	0.0059 (J)	0.0097 (J)	
1/16/2019				<0.02	0.0043 (J)
1/17/2019		0.0021 (J)	<0.01		
1/18/2019	<0.02				
3/26/2019				0.0029 (J)	0.0063 (J)
3/27/2019	<0.02	0.0023 (J)	0.0049 (J)		
10/8/2019		<0.02		<0.02	<0.01
10/9/2019	<0.02		0.0021 (J)		
4/7/2020		<0.02	0.0024 (J)		0.0026 (J)
4/8/2020	0.0015 (J)			<0.02	
9/28/2020				<0.02	
9/29/2020		0.0023 (J)	0.0046 (J)		<0.01
10/1/2020	<0.02				
3/10/2021	<0.02	0.0023 (J)	0.0055 (J)		
3/15/2021				<0.02	
3/16/2021					<0.01
9/21/2021		0.002 (J)	0.0051 (J)	<0.02	
9/22/2021	<0.02				0.0052 (J)
2/2/2022	<0.02				0.004 (J)
2/3/2022		0.0031 (J)	0.0052 (J)	<0.02	
8/30/2022			0.00949 (J)		0.00933 (J)
8/31/2022		0.00481 (J)		<0.02	
9/1/2022	0.00514 (J)				
2/1/2023	<0.02	0.00373 (J)	0.0056 (J)	<0.02	
2/2/2023					0.00594 (J)
8/29/2023	0.0103 (J)			0.0188 (J)	
9/6/2023		0.00685 (J)	0.0101 (J)		0.00671 (J)
1/24/2024	<0.02	0.00641 (J)			
1/25/2024			0.00544 (J)	0.00439 (J)	0.00731 (J)
8/21/2024	<0.02	0.00332 (J)	0.00869 (J)	<0.02	0.0038 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/28/2025		<0.02			
1/29/2025	<0.02		0.00777 (J)	0.00361 (J)	0.00825 (J)
7/29/2025		0.00404 (J)			
7/30/2025	0.00373 (J)		0.0107 (J)	0.00332 (J)	0.00867 (J)
Mean	0.01645	0.006257	0.005804	0.01397	0.01052
Std. Dev.	0.006883	0.006761	0.002319	0.008205	0.007059
Upper Lim.	0.02	0.00641	0.007049	0.02	0.01293
Lower Lim.	0.0103	0.0023	0.004559	0.00361	0.006592

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	0.0013 (J)	0.0029 (J)		0.0025 (J)	0.0039 (J)
1/18/2016			0.0019 (J)		
4/26/2016		0.00296 (J)			
7/27/2016	<0.01				
7/28/2016		0.0026 (J)		0.0024 (J)	0.0022 (J)
7/29/2016			0.0031 (J)		
10/25/2016	<0.01	<0.05		<0.01	
1/4/2017		<0.05		<0.01	<0.01
1/5/2017	<0.01		<0.02		
4/3/2017	0.002 (J)				
4/4/2017				0.0024 (J)	0.003 (J)
4/5/2017		0.0033 (J)	0.0029 (J)		
7/11/2017	0.0022 (J)			0.003 (J)	
7/12/2017		0.0037 (J)			
7/13/2017			0.0037 (J)		0.0019 (J)
10/2/2017	0.0022 (J)			0.0028 (J)	
10/3/2017		0.0036 (J)			
1/9/2018	0.0021 (J)				0.0046 (J)
1/10/2018		0.0029 (J)		0.0026 (J)	
1/11/2018			0.0026 (J)		
7/9/2018				<0.01	
7/10/2018	0.0025 (J)	0.0025 (J)			0.0031 (J)
7/11/2018			0.0032 (J)		
1/16/2019			<0.02		
1/17/2019	<0.01	0.0021 (J)			0.0022 (J)
1/21/2019				0.0031 (J)	
3/25/2019				0.0024 (J)	
3/26/2019	0.0026 (J)	0.0038 (J)	0.0024 (J)		0.0041 (J)
10/8/2019	<0.01	<0.05			<0.01
10/9/2019			<0.02	<0.01	
4/7/2020	<0.01	<0.05			<0.01
4/8/2020			<0.02	<0.01	
9/30/2020	0.0028 (J)	0.0028 (J)	<0.02	0.0029 (J)	0.0029 (J)
3/11/2021			<0.02		
3/12/2021	0.0037 (J)			0.0038 (J)	
3/16/2021		0.0034 (J)			0.003 (J)
9/22/2021		0.0025 (J)	<0.02	0.0033 (J)	<0.01
9/23/2021	0.0022 (J)				
2/1/2022		0.0021 (J)	0.0022 (J)	0.0039 (J)	0.0036 (J)
2/3/2022	0.0023 (J)				
8/30/2022				0.00647 (J)	0.00715 (J)
8/31/2022	0.00476 (J)		0.00599 (J)		
9/1/2022		0.0065 (J)			
2/1/2023		0.00361 (J)	0.005 (J)	0.00526 (J)	
2/2/2023	0.00453 (J)				0.00537 (J)
8/29/2023			0.0108 (J)		
9/6/2023		0.00631 (J)		0.00768 (J)	0.0101 (J)
9/7/2023	0.00462 (J)				
1/24/2024	0.00594 (J)		0.0059 (J)	0.00642 (J)	
1/25/2024		0.00575 (J)			0.00735 (J)
8/21/2024	0.00338 (J)	0.00407 (J)	<0.02	0.00558 (J)	
8/22/2024					0.00457 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/28/2025			<0.02		
1/29/2025	0.00419 (J)	0.00543 (J)		0.00736 (J)	0.00701 (J)
7/29/2025			0.00465 (J)	0.00636 (J)	
7/30/2025	0.00438 (J)	0.00574 (J)			0.00587 (J)
Mean	0.004904	0.01114	0.01065	0.005426	0.005542
Std. Dev.	0.003198	0.01735	0.008167	0.002908	0.00293
Upper Lim.	0.003598	0.00575	0.02	0.00768	0.005342
Lower Lim.	0.002339	0.0028	0.0031	0.0028	0.003174

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-24D	MW-25D
1/18/2016	<0.02		
7/29/2016	0.0052 (J)		
1/4/2017	<0.02		
4/6/2017	<0.02		
7/11/2017	0.0016 (J)		
1/11/2018	0.0012 (J)		
7/11/2018	0.0025 (J)		
1/18/2019	<0.02		
3/27/2019	0.002 (J)		
10/9/2019	<0.02		
4/7/2020	0.0014 (J)		
9/30/2020	<0.02		
3/10/2021	<0.02		
3/11/2021		<0.02	0.0024 (J)
9/21/2021	<0.02		
9/22/2021		<0.02	
9/23/2021			<0.02
2/1/2022		<0.02	
2/3/2022	<0.02		<0.02
8/31/2022	0.00396 (J)		<0.02
9/1/2022		0.00414 (J)	
2/2/2023	<0.02	<0.02	<0.02
8/29/2023	0.0353		
9/6/2023		<0.02	
9/7/2023			<0.02
1/23/2024	0.00394 (J)		
1/25/2024		<0.02	<0.02
8/21/2024	<0.02	<0.02	<0.02
1/28/2025	<0.02		
1/29/2025		<0.02	<0.02
7/29/2025	0.00665 (J)		
7/30/2025		<0.02	<0.02
Mean	0.01381	0.01841	0.01824
Std. Dev.	0.009688	0.005015	0.005566
Upper Lim.	0.02	0.02	0.02
Lower Lim.	0.00394	0.02	0.02

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.02	<0.02
1/18/2016	0.0092	<0.02	0.0029		
7/27/2016		0.0015 (J)		<0.02	0.0018 (J)
7/28/2016			<0.01		
7/29/2016	0.003 (J)				
1/3/2017		<0.02			
1/4/2017				<0.02	
1/5/2017			<0.01		<0.02
1/6/2017	0.0104				
4/4/2017	0.0132			<0.02	0.0015 (J)
4/6/2017		0.0023 (J)	0.0032 (J)		
7/12/2017	0.0046 (J)	<0.02	0.002 (J)	<0.02	
7/13/2017					0.0014 (J)
1/9/2018			0.0036 (J)		
1/10/2018		0.0022 (J)		0.0014 (J)	<0.02
1/11/2018	0.0095 (J)				
7/10/2018		<0.02	0.0055 (J)	0.0021 (J)	<0.02
7/11/2018	0.0028 (J)				
1/16/2019	0.0052 (J)	<0.02	<0.01	<0.02	
1/21/2019					<0.02
3/25/2019	0.0078 (J)				
3/26/2019		<0.02	<0.01	<0.02	
7/30/2019					0.0067 (J)
10/9/2019	0.0064 (J)	0.0081 (J)	0.016 (J)	0.0057 (J)	0.005 (J)
4/7/2020	<0.02	<0.02	<0.01	<0.02	
4/8/2020					<0.02
9/28/2020				0.0092 (J)	
9/29/2020					0.056
9/30/2020		<0.02	<0.01		
10/1/2020	0.0064 (J)				
3/10/2021	<0.02	<0.02	<0.01	<0.02	
3/15/2021					<0.02
9/21/2021	<0.02	<0.02	<0.01		
9/22/2021					<0.02
9/23/2021				<0.02	
2/2/2022	<0.02		<0.01		<0.02
2/3/2022		<0.02		<0.02	
8/30/2022	<0.02	<0.02	0.0132 (J)		
9/1/2022				0.00578 (J)	0.0125 (J)
2/1/2023		<0.02	0.0121 (J)		
2/2/2023	<0.02			<0.02	<0.02
8/29/2023	<0.02	<0.02	0.0406	<0.02	<0.02
1/23/2024			0.0212	<0.02	
1/25/2024					<0.02
2/7/2024	0.00455 (J)				
2/8/2024		<0.02			
8/20/2024	0.00972 (J)		0.0355	0.00917 (J)	
8/21/2024		<0.02			<0.02
1/28/2025	0.00735 (J)		0.0206		
1/29/2025		<0.02		0.00514 (J)	<0.02
7/28/2025	<0.02				
7/29/2025			0.0152 (J)	<0.02	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
7/30/2025		<0.02			<0.02
Mean	0.01182	0.017	0.0128	0.01539	0.0175
Std. Dev.	0.006757	0.006607	0.00964	0.007103	0.0112
Upper Lim.	0.008105	0.02	0.01303	0.02	0.02
Lower Lim.	0.004887	0.0081	0.004145	0.00917	0.0125

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					<0.02
1/18/2016	0.0059		0.0025	0.0017 (J)	
1/19/2016		0.0029			
4/26/2016					<0.02
7/26/2016		<0.02		0.0028 (J)	
7/27/2016			0.0021 (J)		<0.02
7/28/2016	0.0019 (J)				
10/25/2016					<0.02
1/4/2017		<0.02	0.0025 (J)		
1/5/2017				0.0021 (J)	<0.02
1/6/2017	0.0026 (J)				
4/4/2017					<0.02
4/5/2017			0.0026 (J)		
4/6/2017	0.0047 (J)	0.004 (J)		0.0027 (J)	
7/10/2017			0.0023 (J)		
7/11/2017		<0.02			<0.02
7/12/2017	0.003 (J)			0.0043 (J)	
10/2/2017					0.0026 (J)
1/9/2018					0.0018 (J)
1/10/2018				0.0021 (J)	
1/11/2018	0.0046 (J)	0.0018 (J)	0.0031 (J)		
7/9/2018					<0.02
7/11/2018	0.0033 (J)	<0.02	0.0036 (J)	0.0039 (J)	
1/16/2019				0.047	<0.02
1/17/2019		<0.02	0.0032 (J)		
1/18/2019	0.0025 (J)				
3/26/2019				0.03	<0.02
3/27/2019	0.0026 (J)	<0.02	0.0031 (J)		
10/8/2019		0.0061 (J)		0.053	0.0052 (J)
10/9/2019	0.0054 (J)		0.0057 (J)		
4/7/2020		<0.02	<0.02		<0.02
4/8/2020	<0.02			0.023	
9/28/2020				0.016	
9/29/2020		0.0031 (J)	0.0074 (J)		<0.02
10/1/2020	0.025				
3/10/2021	<0.02	<0.02	<0.02		
3/15/2021				0.039	
3/16/2021					<0.02
9/21/2021		<0.02	<0.02	0.036	
9/22/2021	<0.02				0.01
2/2/2022	<0.02				<0.02
2/3/2022		<0.02	<0.02	0.037	
8/30/2022			0.0262		<0.02
8/31/2022		<0.02		0.0266	
9/1/2022	0.0163 (J)				
2/1/2023	<0.02	<0.02	0.00334 (J)	0.025	
2/2/2023					<0.02
8/29/2023	<0.02			0.0194 (J)	
9/6/2023		0.00479 (J)	<0.02		<0.02
1/24/2024	<0.02	<0.02			
1/25/2024			<0.02	0.0195 (J)	<0.02
8/21/2024	0.0137 (J)	0.0392	0.00744 (J)	0.0168 (J)	<0.02

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/28/2025		<0.02			
1/29/2025	<0.02		<0.02	0.0186 (J)	<0.02
7/29/2025		<0.02			
7/30/2025	<0.02		<0.02	0.0151 (J)	<0.02
Mean	0.01234	0.01645	0.01069	0.02007	0.01758
Std. Dev.	0.00839	0.008947	0.008728	0.01548	0.005799
Upper Lim.	0.02	0.02	0.02	0.02838	0.02
Lower Lim.	0.0033	0.0061	0.0026	0.01176	0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	<0.02	<0.02		<0.02	<0.02
1/18/2016			0.012		
4/26/2016		<0.02			
7/27/2016	<0.02				
7/28/2016		<0.02		<0.02	<0.02
7/29/2016			0.0086 (J)		
10/25/2016	<0.02	<0.02		<0.02	
1/4/2017		0.0025 (J)		<0.02	<0.02
1/5/2017	<0.02		0.016		
4/3/2017	<0.02				
4/4/2017				<0.02	0.0015 (J)
4/5/2017		0.0025 (J)	0.0175		
7/11/2017	<0.02			<0.02	
7/12/2017		0.002 (J)			
7/13/2017			0.0126		0.002 (J)
10/2/2017	<0.02			<0.02	
10/3/2017		<0.02			
1/9/2018	<0.02				0.0016 (J)
1/10/2018		0.0016 (J)		0.0034 (J)	
1/11/2018			0.012		
7/9/2018				<0.02	
7/10/2018	<0.02	0.0031 (J)			<0.02
7/11/2018			0.011		
1/16/2019			0.0094 (J)		
1/17/2019	<0.02	<0.02			<0.02
1/21/2019				<0.02	
3/25/2019				<0.02	
3/26/2019	<0.02	<0.02	0.0057 (J)		<0.02
10/8/2019	0.0051 (J)	0.01			0.0071 (J)
10/9/2019			0.011	0.0049 (J)	
4/7/2020	<0.02	<0.02			<0.02
4/8/2020			<0.01	<0.02	
9/30/2020	0.032	0.0051 (J)	0.0043 (J)	0.031	0.0096 (J)
3/11/2021			0.0056 (J)		
3/12/2021	<0.02			<0.02	
3/16/2021		<0.02			<0.02
9/22/2021		<0.02	<0.01	<0.02	<0.02
9/23/2021	<0.02				
2/1/2022		<0.02	0.011	<0.02	<0.02
2/3/2022	<0.02				
8/30/2022				0.0171 (J)	0.00814 (J)
8/31/2022	0.00395 (J)		0.0068 (J)		
9/1/2022		0.0119 (J)			
2/1/2023		<0.02	0.00583 (J)	<0.02	
2/2/2023	<0.02				<0.02
8/29/2023			0.00535 (J)		
9/6/2023		<0.02		<0.02	<0.02
9/7/2023	<0.02				
1/24/2024	<0.02		0.00654 (J)	<0.02	
1/25/2024		<0.02			<0.02
8/21/2024	<0.02	<0.02	0.0066 (J)	<0.02	
8/22/2024					<0.02

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/28/2025			0.00759 (J)		
1/29/2025	<0.02	<0.02		0.00569 (J)	<0.02
7/29/2025			0.0063 (J)	<0.02	
7/30/2025	<0.02	<0.02			<0.02
Mean	0.01921	0.01515	0.008714	0.01842	0.01591
Std. Dev.	0.005144	0.007527	0.003707	0.005816	0.007076
Upper Lim.	0.032	0.02	0.0107	0.02	0.02
Lower Lim.	0.0051	0.01	0.006724	0.0171	0.0096

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 10/1/2025 11:30 AM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
1/18/2016	<0.02				
7/29/2016	0.0129				
1/4/2017	0.006 (J)				
4/6/2017	0.0031 (J)				
7/11/2017	0.0029 (J)				
1/11/2018	0.0106				
7/11/2018	0.0057 (J)				
1/18/2019	0.0024 (J)				
3/27/2019	<0.02				
10/9/2019	0.0079 (J)				
4/7/2020	<0.02				
9/30/2020	<0.02				
3/10/2021	<0.02				
3/11/2021		0.0067 (J)	0.0025 (J)	0.0054 (J)	0.008 (J)
9/21/2021	<0.02				<0.01
9/22/2021		<0.02	<0.02		
9/23/2021				<0.02	
2/1/2022			<0.02		
2/2/2022					<0.01
2/3/2022	<0.02	<0.02		0.051	
8/31/2022	<0.02	0.0106 (J)		0.0161 (J)	
9/1/2022			0.0102 (J)		
2/1/2023		0.0121 (J)			
2/2/2023	<0.02		<0.02	<0.02	
8/29/2023	0.0054 (J)				
9/6/2023		<0.02	<0.02		
9/7/2023				<0.02	
1/23/2024	<0.02				
1/24/2024		<0.02			
1/25/2024			<0.02	0.00738 (J)	0.0401
8/20/2024					0.0261
8/21/2024	0.0141 (J)	<0.02	<0.02	<0.02	
1/28/2025	<0.02				0.0169 (J)
1/29/2025		0.00452 (J)	<0.02	<0.02	
7/29/2025	0.0173 (J)	0.00389 (J)			0.0166 (J)
7/30/2025			<0.02	0.0132 (J)	
Mean	0.01401	0.01378	0.01727	0.01931	0.01824
Std. Dev.	0.007038	0.006993	0.006035	0.01243	0.01144
Upper Lim.	0.02	0.02	0.02	0.02282	0.03081
Lower Lim.	0.006	0.00452	0.0102	0.005571	0.004533

ND substitution: RL or RL/2 if <15% NDs.

FIGURE M.

Appendix II & IV Trend Tests - Confidence Interval Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 5:20 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007166**	**-116**	**-96**	**Yes**	**27**	**22.22**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-15**	**0.02984**	**263**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008023**	**211**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0003744**	**-111**	**-71**	**Yes**	**22**	**18.18**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001553**	**-86**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.002184**	**93**	**76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01325**	**107**	**76**	**Yes**	**23**	**0**	**n/a**	**0.05**	**NP**

Appendix II & IV Trend Tests - Confidence Interval Exceedances - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 10/1/2025, 5:20 PM

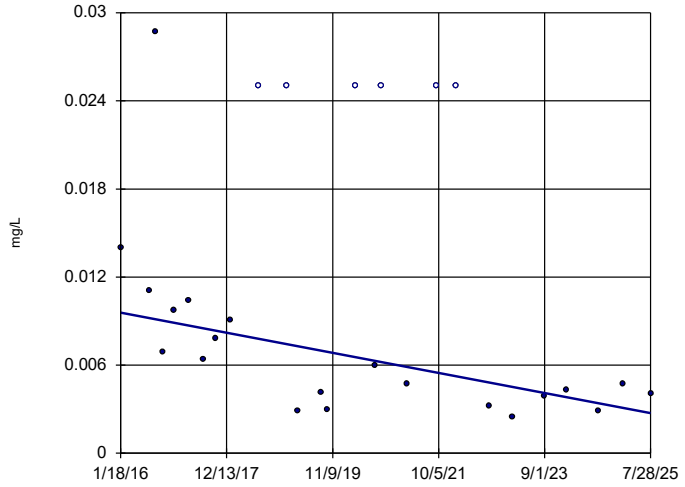
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007166**	**-116**	**-96**	**Yes**	**27**	**22.22**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWA-8 (bg)	0	29	101	No	28	71.43	n/a	0.05	NP
Arsenic (mg/L)	**GWC-15**	**0.02984**	**263**	**96**	**Yes**	**27**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008023**	**211**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWC-20	0.001994	13	96	No	27	0	n/a	0.05	NP
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.0003744**	**-111**	**-71**	**Yes**	**22**	**18.18**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001553**	**-86**	**-76**	**Yes**	**23**	**34.78**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.002184**	**93**	**76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00004469**	**-88**	**-76**	**Yes**	**23**	**56.52**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWA-8 (bg)	0	0	76	No	23	100	n/a	0.05	NP
Molybdenum (mg/L)	**GWB-4R**	**0.01325**	**107**	**76**	**Yes**	**23**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWC-16	-0.001507	-10	-76	No	23	0	n/a	0.05	NP
Molybdenum (mg/L)	GWC-20	0.04492	71	76	No	23	0	n/a	0.05	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 27

Slope = -0.0007166 units per year.

Mann-Kendall statistic = -116
critical = -96

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test

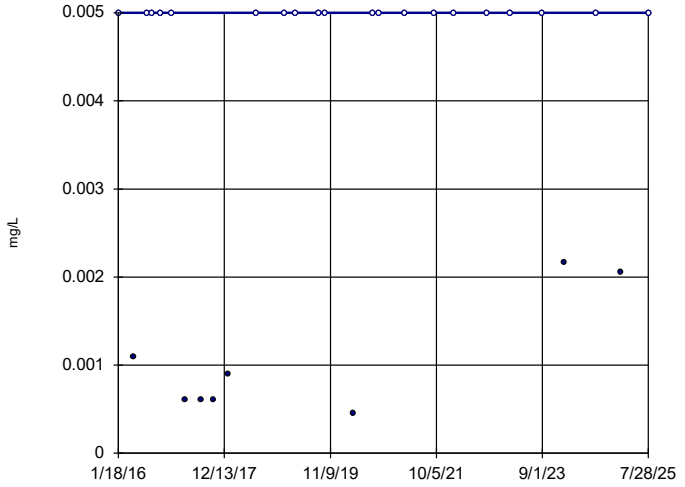
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 28

Slope = 0 units per year.

Mann-Kendall statistic = 29
critical = 101

Trend not significant at 95% confidence level (α = 0.025 per tail).

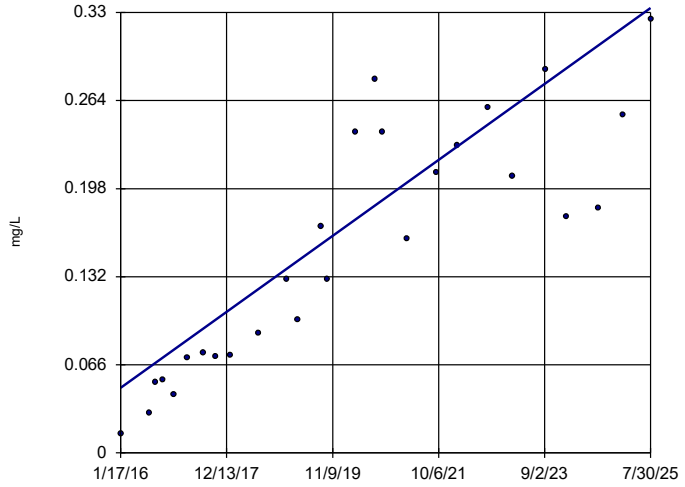
Constituent: Arsenic Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 27

Slope = 0.02984 units per year.

Mann-Kendall statistic = 263
critical = 96

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

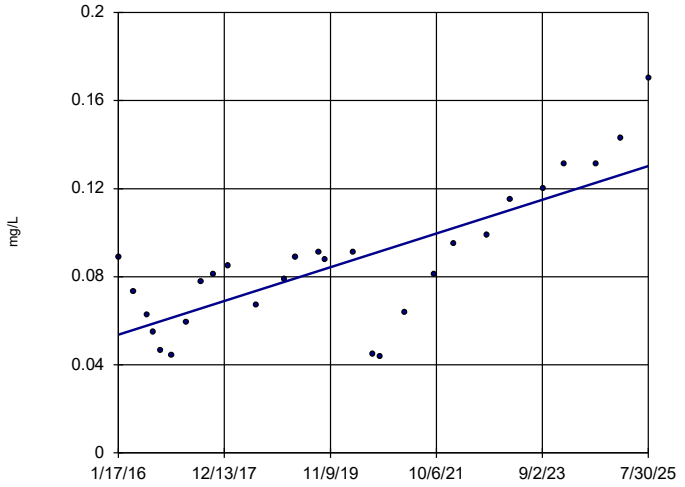
Constituent: Arsenic Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-16



n = 28

Slope = 0.008023 units per year.

Mann-Kendall statistic = 211
critical = 101

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

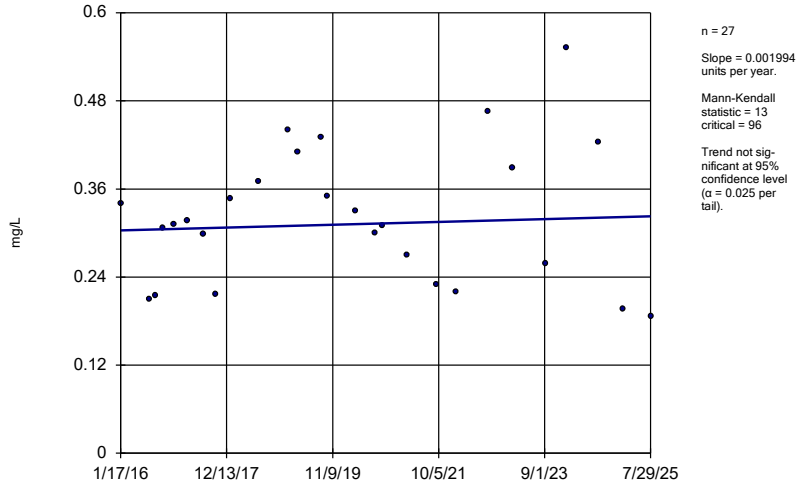
Constituent: Arsenic Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-20



n = 27

Slope = 0.001994 units per year.

Mann-Kendall statistic = 13
critical = 96

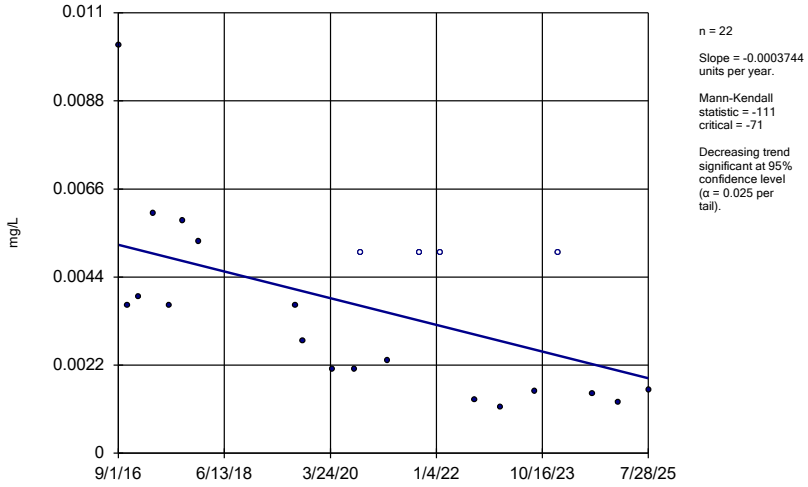
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 22

Slope = -0.0003744 units per year.

Mann-Kendall statistic = -111
critical = -71

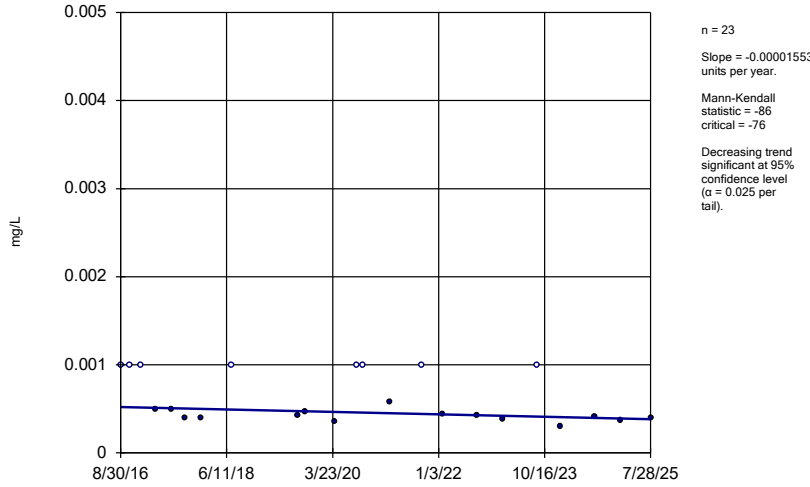
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 23

Slope = -0.00001553 units per year.

Mann-Kendall statistic = -86
critical = -76

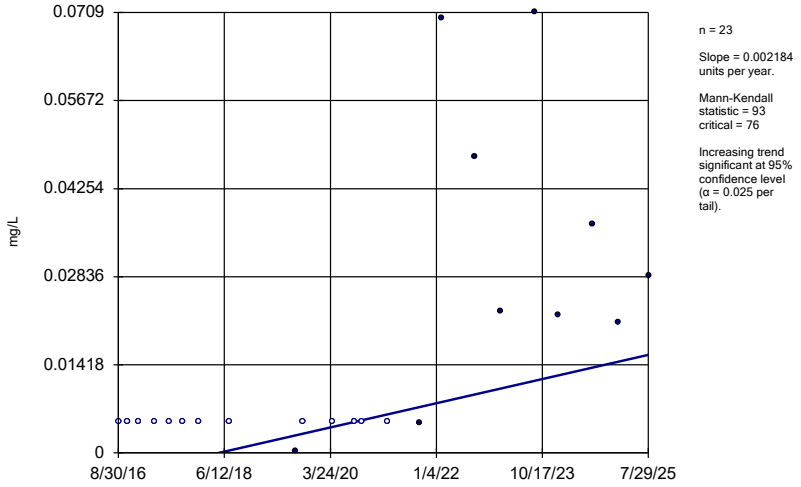
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWB-6R



n = 23

Slope = 0.002184 units per year.

Mann-Kendall statistic = 93
critical = 76

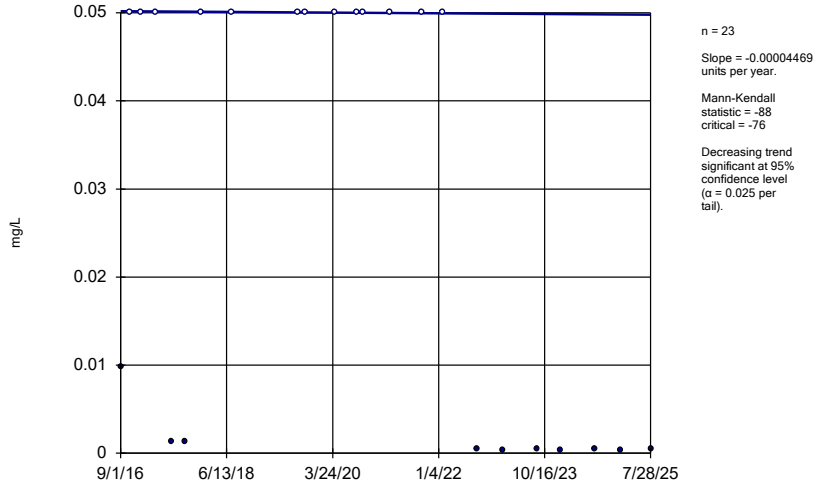
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 23

Slope = -0.00004469 units per year.

Mann-Kendall statistic = -88
critical = -76

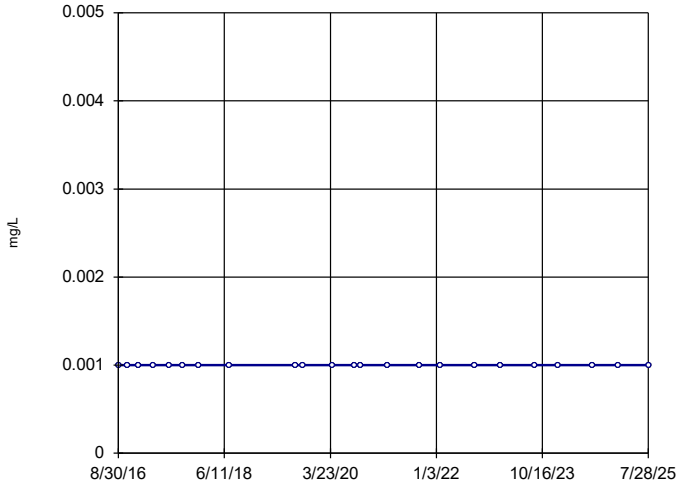
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 76

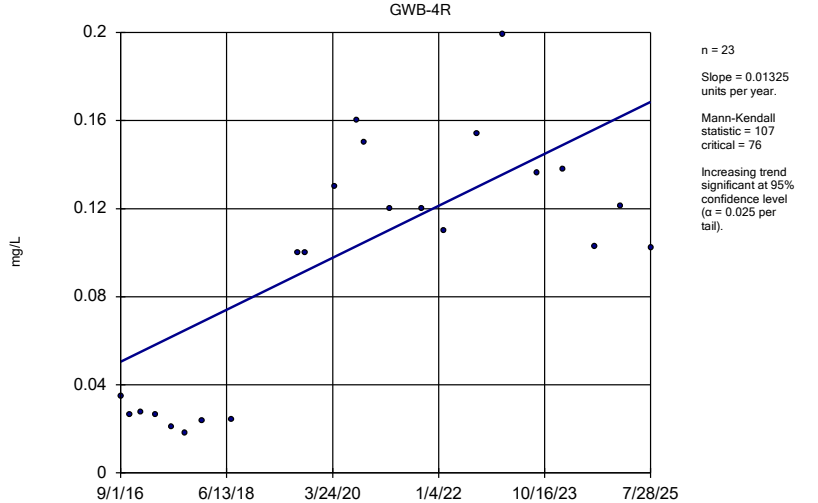
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWB-4R



n = 23

Slope = 0.01325 units per year.

Mann-Kendall statistic = 107
critical = 76

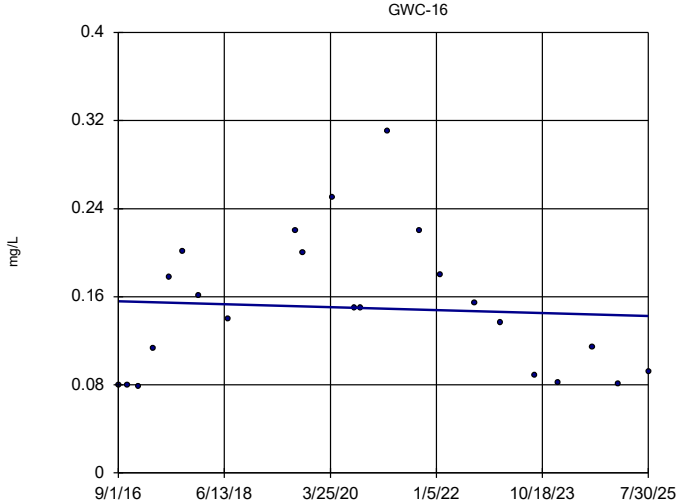
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-16



n = 23

Slope = -0.001507 units per year.

Mann-Kendall statistic = -10
critical = -76

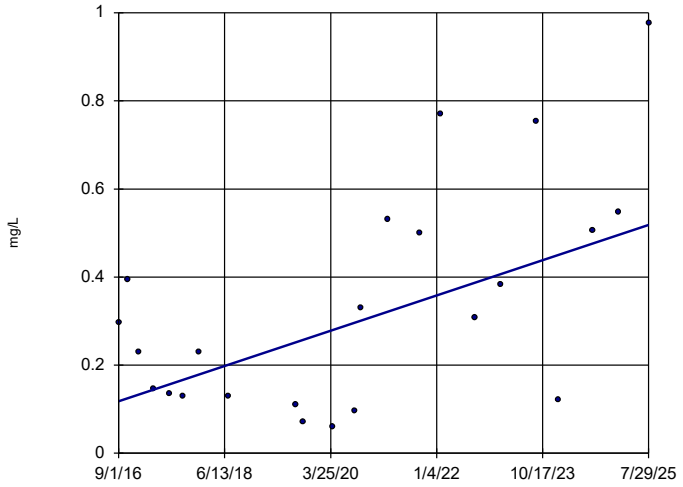
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.00 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-20



n = 23

Slope = 0.04492 units per year.

Mann-Kendall statistic = 71
critical = 76

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 10/1/2025 5:15 PM View: Appendix II & IV - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

APPENDIX C

Statistical Analysis Report
January 2026 Monitoring Event

GROUNDWATER STATS CONSULTING

July 31, 2026

Southern Company Services
Attn: Mr. Chris Tidwell
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Kraft's Grumman Road Landfill
Statistical Analysis – January 2026 Sample Event

Dear Mr. Tidwell,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the groundwater statistical analysis of the January 2026 sample event for Georgia Power Company's Plant Kraft's Grumman Road Landfill. The analysis complies with 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, and at least 8 background samples were collected at each of the groundwater monitoring wells. Semi-annual sampling of the majority of Appendix IV constituents has been performed at most wells for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-7 and GWA-8
- **Downgradient wells:** GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-2, GWC-9, GWC-11, GWC-12, GWC-13, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- **Assessment wells:** MW-23D, MW-24D, MW-25D, and MW-26D

Assessment wells were installed in late 2020 and were first sampled in early 2021 for all constituents except mercury, which was first sampled in September 2021. All assessment well/constituent pairs have a minimum of 4 samples and therefore have sufficient data to be evaluated using confidence intervals. Note that sampling has ceased at assessment

well MW-27D; therefore, no analysis was required. Sampling has resumed at assessment well MW-26D and is included in this analysis.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder of Groundwater Stats Consulting.

The program monitors the constituents listed below. Georgia EPD Appendix II and CCR Appendix IV constituents overlap except for vanadium and zinc, which are required for Georgia EPD. The terms "parameters" and "constituents" are used interchangeably throughout.

- **Georgia EPD Appendix I** (Detection Monitoring) **–** antimony, arsenic, barium, chromium, lead, selenium, vanadium, and zinc
- **CCR Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix II/CCR Appendix IV** (Assessment Monitoring) **–** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, vanadium, and zinc

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.

Time series plots for all parameters at each well are provided for the purpose of screening data at these wells (Figure A). Additionally, time series plots of all parameters at upgradient wells are included to more easily display concentrations upgradient of the facility. 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 both individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Due to varying detection limits in background data sets as a result of improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects. Substituting the most recent reporting limit for historical non-detects results in construction of statistical limits conservative (i.e., lower) from a regulatory perspective.

Data at all wells were originally evaluated during 2019 for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. However, interwell methods are currently implemented in accordance with the Georgia EPD regulations and are used to evaluate compliance samples in downgradient wells. Power curves were provided with the previous screening and demonstrated that the selected statistical methods comply with the USEPA Unified Guidance. The EPA suggests that the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

Summary of Statistical Methods – Detection Monitoring

Georgia EPD Appendix I Constituents:
Semi-Annual Sampling
Interwell Prediction Limits with 1 of 2 resample plan
Constituents Downgradient: 8
Downgradient wells: 16

CCR Appendix III Constituents:
Semi-Annual Sampling
Interwell Prediction Limits with 1 of 2 resample plan
Constituents Downgradient: 7
Downgradient wells: 16

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 rate of 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, along with the following methodology for handling non-detects:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15%, 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 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.

For Appendix I and III detection monitoring parameters, compliance is determined by comparing the most recent observation to a background prediction limit. The corresponding trend tests for evaluating prediction limit exceedances of Appendix I and III parameters are performed at the 99% confidence level to provide a high level of confidence against false positives. For Appendix II and IV assessment monitoring parameters, however, compliance is assessed by comparing a full (or truncated) period of record to a GWPS using a confidence interval. The corresponding trend tests for evaluating confidence interval exceedances of Appendix II and IV constituents are performed at the 95% confidence level to provide greater capability of identifying potential trends than the 99% confidence level. Additionally, the 95% confidence level is recommended in cases with limited sample sizes and, particularly, for new assessment wells.

Summary of Background Screening – Georgia EPD Appendix I Constituents – Conducted in August 2019

Outlier Testing

Time series plots were used to identify suspected outliers or values that would result in limits that are not representative of the current background data population. Suspected

outliers at all wells and parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey's box plot method, several outliers were identified. A summary of those findings was submitted with the August 2019 report. When the most recent values are identified as outliers, values are often not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Additionally, values that were not identified by Tukey's test and were much higher than the remaining measurements were flagged as appropriate in order to obtain conservative prediction limits capable of detecting future changes. As mentioned above, when any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Testing

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When

statistically significant trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. This step would only apply to upgradient wells GWA-7 and GWA-8 since pooled data from these wells are used to construct interwell prediction limits. While this was not required, when any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. A summary of the trend analyses was submitted with the screening report.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified significant differences among upgradient well data for all constituents which would suggest intrawell methods as the most appropriate statistical method. However, interwell methods are currently constructed in accordance with the Georgia EPD regulations and are used to evaluate compliance samples in downgradient wells.

Summary of Background Screening – CCR Appendices III and IV Parameters – Conducted in March 2019

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells for Appendix III and Appendix IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. A summary of those findings was included with the screening report. When the most recent values are identified as outliers, values were not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e., measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported non-detects.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Tests

The results of the Sen's Slope/Mann Kendall trend analyses showed a number of statistically significant increasing and decreasing trends for the Appendix III parameters. Most of the statistically significant trends identified, particularly those in upgradient wells GWA-7 and GWA-8 from which data are used in construction of the interwell prediction limits, were relatively low in magnitude when compared to average concentrations. Also, the background period was short in 2019, making it difficult to determine whether an apparent trend represents a long-term change or simply normal year-to-year variation; therefore, no adjustments were made to the data sets at that time.

Appendix III – Determination of Spatial Variation

The ANOVA identified no variation among upgradient well data for fluoride, making interwell analyses the most appropriate statistical method for this constituent. Variation was noted for boron, calcium, chloride, pH, sulfate, and TDS which suggests the use of intrawell methods as the most appropriate statistical method. However, interwell methods

are currently constructed in accordance with the Georgia EPD regulations and are used to evaluate compliance samples in downgradient wells.

Summary of Background Update Conducted in 2025 – Appendix I, II, III, & IV

Outlier Analysis

Time series plots were used to identify suspected outliers, or values that would result in limits that are not representative of the current background data population. Pooled upgradient well data for Appendix I, II, III, and IV parameters were formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. When the most recent value is identified as an outlier, values are often not flagged in the database at this time as the measurements may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected.

Tukey's outlier test identified values for barium and zinc at upgradient wells. Any values identified by Tukey's, but not flagged in the database, appeared representative of remaining concentrations among pooled upgradient data or below the respective Maximum Containment Level (MCL). Previously flagged values were confirmed using the Tukey's outlier test to evaluate pooled upgradient well data and visual screening with time series plots. When any values are flagged in the database as outliers, the measurements are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. Note that while outliers were flagged at downgradient wells during the original screening in 2019 and remain flagged in the database, the deselected measurements having no bearing on interwell limits which are constructed from upgradient well data.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Evaluation

While trends can be identified by visual inspection, a quantification of the trend and its statistical significance is needed. The Sen's Slope/Mann Kendall trend test was used to

evaluate all data at each upgradient well to identify statistically significant increasing or decreasing trends at the 99% confidence level for Appendix I & III parameters for the purposes of constructing interwell statistical limits and at the 95% confidence level for Appendix II & IV parameters prior to constructing interwell tolerance limits. In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The following statistically significant trends were identified at upgradient wells:

Appendix I & III (Detection Monitoring)
Increasing

- Boron: GWA-8
- pH: GWA-8
- Vanadium: GWA-7

Decreasing

- Arsenic: GWA-7 and GWA-8
- Barium: GWA-8
- Boron: GWA-7
- Calcium: GWA-7
- Chromium: GWA-8
- Lead: GWA-8
- Selenium: GWA-7
- Sulfate: GWA-7 and GWA-8

Appendix II & IV (Assessment Monitoring)
Increasing

- None

Decreasing

- Arsenic: GWA-7 and GWA-8
- Barium: GWA-8
- Chromium: GWA-8
- Cobalt: GWA-7 and GWA-8
- Combined Radium 226 + 228: GWA-7
- Fluoride: GWA-7 and GWA-8
- Lead: GWA-8

- Molybdenum: GWA-7
- Selenium: GWA-7
- Zinc: GWA-8

Although the results of the trend analyses showed statistically significant decreasing and increasing trends at individual upgradient wells, many of the well/constituent pairs with statistically significant trends did not require truncation because truncating earlier measurements would have no bearing on resulting statistical limits that are constructed using pooled upgradient well data.

While statistically significant decreasing trends were identified for boron and sulfate, more recent concentrations at one or more downgradient wells are of similar magnitude to observations early in the record from respective upgradient wells. Note that the trend tests identified statistically significant decreasing trends for arsenic, chromium, and lead in upgradient well GWA-8 and selenium in upgradient well GWA-7, the slopes, which represent the median slope of all the possible pairwise slopes, are displayed on the graph and summary table as zero. For each of these reasons, no adjustments were required. If the observed decreasing or increasing trends persist over a longer time frame and influence resulting statistical limits, some records may require truncation.

Statistical Analysis of Georgia EPD Appendix I Constituents – January 2026

All Appendix I parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. No additional values were flagged during this analysis and a summary of currently flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed from screened pooled upgradient well data through January 2026 for antimony, arsenic, barium, chromium, lead, selenium, vanadium, and zinc (Figure D). The January 2026 sample at each downgradient well is compared to these background limits.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered a false

positive result, and therefore, no further action is necessary. If no resample is collected, the initial exceedance is automatically confirmed. A summary table and complete graphical results of the interwell prediction limits follow this letter and include a list of exceedances. Exceedances were identified for the following well/constituent pairs:

- Arsenic: GWC-15, GWC-16, GWC-20, and GWC-21
- Barium: GWC-20 and GWC-21

Trend Tests – Appendix I Exceedances

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (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. When trends are present in upgradient wells it is an indication of variability in groundwater quality unrelated to practices at the site. Statistically significant trends were noted for the following well/constituent pairs:

Increasing Trends:

- Barium: GWC-20

Decreasing Trends:

- Arsenic: GWA-7 and GWA-8 (both upgradient)
- Barium: GWA-8 (upgradient)

Note that while the trend test identified a statistically significant decreasing trend for arsenic in upgradient well GWA-8, the slope is displayed as zero which represents the median slope of all the possible pairwise slopes. The zero median slope results from the large number of non-detects in the record, and the negative test statistics result from a few trace values being recorded in the latter part of the record. Both a summary and complete graphical presentation of the trend test results follow this letter.

Statistical Analysis of CCR Appendix III Parameters – January 2026

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. No additional values were flagged as outliers during this analysis and a summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using pooled upgradient well data through January 2026 to develop background limits for boron, calcium, chloride, fluoride, pH, sulfate, and TDS (Figure F). In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered a false positive result and, therefore, no further action is necessary. The January 2026 sample from each downgradient well is compared to the background limit to determine whether there are statistically significant increases (SSIs). Summary tables of the prediction limits follow this letter. Exceedances were identified for the following well/constituent pairs:

- Boron: GWC-16
- Calcium: GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- Chloride: GWC-17 and GWC-22
- Fluoride: GWC-17
- pH (upper limit): GWC-15
- pH (lower limit): GWC-12
- Sulfate: GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- TDS: GWC-16

Trend Tests – Appendix III Exceedances

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents (Figure G). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Such patterns are an indication of variability in groundwater unrelated to practices at the site. Statistically significant trends were noted for the following well/constituent pairs:

Increasing

- Boron: GWA-8 (upgradient) and GWC-16
- Calcium: GWB-4R, GWB-6R, GWC-1, GWC-11, GWC-14, GWC-15, GWC-16, GWC-20, and GWC-21
- pH: GWA-8 (upgradient)
- Sulfate: GWB-4R, GWB-6R, GWC-11, GWC-16, GWC-17, GWC-20, and GWC-21
- TDS: GWC-16

Decreasing

- Calcium: GWA-7 (upgradient) and GWC-22
- Fluoride: GWC-17
- Sulfate: GWA-7, GWA-8 (both upgradient), and GWC-22

Statistical Analysis of Georgia EPD Appendix II and CCR Appendix IV – January 2026

For Appendix II and IV parameters, confidence intervals for each downgradient well/constituent pair were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs containing 100% non-detects do not require analysis. Data from upgradient wells for Appendix II and IV parameters are reassessed for outliers during each analysis. No additional values were flagged during this analysis and a summary of previously flagged outliers follows this report (Figure C).

Additionally, downgradient well data through January 2026 were screened through visual screening using time series graphs. Since the downgradient well data are used to construct confidence intervals, a regulatory conservative approach is taken in that values that are marginally high relative to the rest of the data are retained unless there is particular justification for excluding them. As mentioned above, the majority of values flagged among downgradient wells were flagged during the 2019 screening. The deselected measurements have little to no bearing on resulting confidence intervals, which are constructed using data from 2016 onward. No changes were made to previously flagged data among downgradient wells for Appendix II and IV parameters and no additional values were flagged. A summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell upper tolerance limits (UTLs) are calculated using Sanitas software, from all historical pooled upgradient well data for Appendix II and IV constituents through January

2026 (Figure H). The UTLs serve as site-specific background limits for each constituent. 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 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 constructed using the highest background measurement. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

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 II and IV constituents for this sample event (Figure I).

Confidence Intervals

To complete the statistical comparison of current sampling data to GWPS, confidence intervals were constructed using Sanitas software using data from 2016 through the present for each of the Appendix II and IV constituents in each downgradient well. As mentioned above, any well/constituent pairs containing 100% non-detects since 2016 were not required for statistical analyses. The confidence intervals were then compared to the GWPS as described above. Only when the entire confidence interval is above a GWPS is the downgradient 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.

During previous analyses, a significant increase in concentrations was identified among the most recent observations when compared to historic records for arsenic at downgradient well GWC-15 and molybdenum at downgradient well GWB-4R; therefore, confidence intervals using observations from August 2020 onward for these well/constituent pairs were constructed on stable, non-trending data (USEPA Unified Guidance, 2009, Chapter 7). Similarly, a significant increase in concentrations was previously identified for cobalt at downgradient well GWB-6R. Therefore, this well/constituent pair will also use stable, non-trending data construction of a confidence interval. Trend tests using both the full and truncated records follow this report (Figure J).

A summary of the confidence intervals follows this letter (Figure K) and exceedances were identified for the following well/constituent pairs:

- Arsenic: GWC-15, GWC-16, and GWC-20
- Cobalt: GWB-6R
- Molybdenum: GWB-4R, GWC-16, and GWC-20

Trend Tests – Appendix II & IV Exceedances

All data since 2016 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 L). 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 II & IV trend tests follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing trends:

- Arsenic: GWC-15 and GWC-16
- Cobalt: GWB-6R
- Molybdenum: GWB-4R and GWC-20

Decreasing trends:

- Arsenic: GWA-7 (upgradient)
- Cobalt: GWA-7 and GWA-8 (both upgradient)
- Molybdenum: GWA-7 (upgradient)

Both a summary and complete graphical presentation of the trend test results follow this letter.

SUMMARY

Based on the statistical analyses described in this letter, the following statistical exceedances were noted:

Prediction Limits (Detection Monitoring Parameters)

Georgia EPD Appendix I:

- Arsenic: GWC-15, GWC-16, GWC-20, and GWC-21
- Barium: GWC-20 and GWC-21

CCR Appendix III:

- Boron: GWC-16
- Calcium: GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- Chloride: GWC-17 and GWC-22
- Fluoride: GWC-17
- pH (upper limit): GWC-15
- pH (lower limit): GWC-12
- Sulfate: GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, and GWC-22
- TDS: GWC-16

Confidence Intervals (Assessment Monitoring Parameters)

Georgia EPD Appendix II and CCR Appendix IV:

- Arsenic: GWC-15, GWC-16, and GWC-20
- Cobalt: GWB-6R
- Molybdenum: GWB-4R, GWC-16, and GWC-20

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Kraft's Grumman Road Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina M. Rayner
Senior Statistician

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Summary Tables

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Date Ranges

Date: 3/30/2026 2:33 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Arsenic (mg/L)
- GWC-15 overall:8/18/2020-1/27/2026

Cobalt (mg/L)
- GWB-6R overall:2/2/2022-1/28/2026

Molybdenum (mg/L)
- GWB-4R overall:8/19/2020-1/27/2026

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100% Non-Detects: Appendix I

Analysis Run 3/30/2026 2:59 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Antimony (mg/L)
GWC-14

Selenium (mg/L)
GWC-13

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100% Non-Detects: Appendix II & IV Downgradient & Assessment

Analysis Run 3/30/2026 3:31 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Antimony (mg/L)
GWC-14, GWC-16, MW-23D, MW-24D, MW-25D, MW-26D

Arsenic (mg/L)
MW-23D, MW-24D

Beryllium (mg/L)
GWC-1, GWC-15, GWC-20, GWC-21, MW-23D, MW-24D

Cadmium (mg/L)
GWB-5R, GWB-6R, GWC-2, GWC-9, GWC-12, GWC-13, GWC-15, GWC-16, GWC-17, GWC-21, MW-24D

Chromium (mg/L)
MW-23D

Cobalt (mg/L)
GWC-1, GWC-13, GWC-15, GWC-16, GWC-20, GWC-21, MW-23D, MW-24D, MW-25D, MW-26D

Fluoride (mg/L)
GWC-11

Lithium (mg/L)
GWB-6R, GWC-1, GWC-2, GWC-11, GWC-14, GWC-15, GWC-16, GWC-20, GWC-21, GWC-22, MW-23D, MW-24D, MW-25D, MW-26D

Molybdenum (mg/L)
GWC-9

Selenium (mg/L)
GWC-9, GWC-13, MW-23D, MW-24D, MW-25D, MW-26D

Thallium (mg/L)
GWB-6R, GWC-9, GWC-13, GWC-15, GWC-20, MW-23D, MW-24D, MW-25D, MW-26D

Vanadium (mg/L)
MW-23D, MW-26D

Appendix I Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**1/27/2026**	**0.235**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**1/28/2026**	**0.202**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**1/27/2026**	**0.288**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-21**	**0.0287**	**n/a**	**1/28/2026**	**0.0428**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**1/27/2026**	**0.301**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	**GWC-21**	**0.236**	**n/a**	**1/28/2026**	**0.254**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-5R	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-6R	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-1	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-2	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-12	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-15	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-16	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-17	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-20	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-21	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-22	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-4R	0.0287	n/a	1/27/2026	0.00618	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-5R	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-6R	0.0287	n/a	1/28/2026	0.00504	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-1	0.0287	n/a	1/27/2026	0.00776	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-2	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.0287	n/a	1/27/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-12	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-13	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-14	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**1/27/2026**	**0.235**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**1/28/2026**	**0.202**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-17	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**1/27/2026**	**0.288**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-21**	**0.0287**	**n/a**	**1/28/2026**	**0.0428**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-22	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWB-4R	0.236	n/a	1/27/2026	0.136	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-5R	0.236	n/a	1/28/2026	0.126	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-6R	0.236	n/a	1/28/2026	0.0263	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-1	0.236	n/a	1/27/2026	0.056	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-2	0.236	n/a	1/28/2026	0.0507	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-9	0.236	n/a	1/28/2026	0.194	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-11	0.236	n/a	1/27/2026	0.137	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-12	0.236	n/a	1/28/2026	0.0235	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-13	0.236	n/a	1/28/2026	0.0608	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-14	0.236	n/a	1/28/2026	0.084	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-15	0.236	n/a	1/27/2026	0.0775	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-16	0.236	n/a	1/28/2026	0.12	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-17	0.236	n/a	1/28/2026	0.0355	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**1/27/2026**	**0.301**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	**GWC-21**	**0.236**	**n/a**	**1/28/2026**	**0.254**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	GWC-22	0.236	n/a	1/28/2026	0.165	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Chromium (mg/L)	GWB-4R	0.068	n/a	1/27/2026	0.0056J	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-5R	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-6R	0.068	n/a	1/28/2026	0.00499J	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-1	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-2	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-12	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-13	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-14	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-15	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-16	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-17	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-4R	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-5R	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-6R	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-1	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-2	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-9	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-12	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-14	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-15	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-16	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-17	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.013	n/a	1/28/2026	0.000502J	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-4R	0.0438	n/a	1/27/2026	0.00534	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-5R	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-6R	0.0438	n/a	1/28/2026	0.00194J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-1	0.0438	n/a	1/27/2026	0.00197J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-2	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.0438	n/a	1/27/2026	0.00324J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-12	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-14	0.0438	n/a	1/28/2026	0.00286J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-15	0.0438	n/a	1/27/2026	0.00372J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-16	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-17	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-20	0.0438	n/a	1/27/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.0438	n/a	1/28/2026	0.00655	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-4R	0.24	n/a	1/27/2026	0.0198J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-5R	0.24	n/a	1/28/2026	0.00881J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-6R	0.24	n/a	1/28/2026	0.0275	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.24	n/a	1/27/2026	0.00517J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-2	0.24	n/a	1/28/2026	0.00438J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.24	n/a	1/28/2026	0.00414J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.24	n/a	1/27/2026	0.02ND	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.24	n/a	1/28/2026	0.0102J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.24	n/a	1/28/2026	0.00412J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.24	n/a	1/28/2026	0.0078J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-15	0.24	n/a	1/27/2026	0.00432J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-16	0.24	n/a	1/28/2026	0.00515J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.24	n/a	1/28/2026	0.00484J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-20	0.24	n/a	1/27/2026	0.00512J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.24	n/a	1/28/2026	0.00759J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-22	0.24	n/a	1/28/2026	0.0048J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWB-4R	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-5R	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-6R	0.16	n/a	1/28/2026	0.0373	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-13	0.16	n/a	1/28/2026	0.0185J	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-14	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-15	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-16	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-17	0.16	n/a	1/28/2026	0.0117J	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-21	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:07 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007067**	**-5.79**	**-2.58**	**Yes**	**66**	**54.55**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.08**	**-2.58**	**Yes**	**85**	**90.59**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.002527**	**-9.902**	**-2.58**	**Yes**	**84**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01554**	**459**	**214**	**Yes**	**39**	**0**	**n/a**	**0.01**	**NP**

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:07 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007067**	**-5.79**	**-2.58**	**Yes**	**66**	**54.55**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.08**	**-2.58**	**Yes**	**85**	**90.59**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	GWC-15	0.004375	6	43	No	13	0	n/a	0.01	NP
Arsenic (mg/L)	GWC-16	0	0.02705	2.58	No	84	1.19	n/a	0.01	NP
Arsenic (mg/L)	GWC-20	0.003755	77	214	No	39	0	n/a	0.01	NP
Arsenic (mg/L)	GWC-21	0.0002982	152	214	No	39	38.46	n/a	0.01	NP
Barium (mg/L)	GWA-7 (bg)	0.001622	1.876	2.58	No	65	0	n/a	0.01	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.002527**	**-9.902**	**-2.58**	**Yes**	**84**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01554**	**459**	**214**	**Yes**	**39**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWC-21	0.008271	160	214	No	39	0	n/a	0.01	NP

Appendix III Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:13 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)	GWC-16	21.8	n/a	1/28/2026	43.6	Yes	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-4R	35.8	n/a	1/27/2026	170	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-5R	35.8	n/a	1/28/2026	133	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-6R	35.8	n/a	1/28/2026	84.7	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-1	35.8	n/a	1/27/2026	59.6	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	35.8	n/a	1/27/2026	161	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	35.8	n/a	1/28/2026	57.8	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-14	35.8	n/a	1/28/2026	153	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-15	35.8	n/a	1/27/2026	176	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-16	35.8	n/a	1/28/2026	334	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17	35.8	n/a	1/28/2026	104	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	35.8	n/a	1/27/2026	285	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	35.8	n/a	1/28/2026	199	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22	35.8	n/a	1/28/2026	87.9	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-17	260	n/a	1/28/2026	605	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-22	260	n/a	1/28/2026	281	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-17	0.49	n/a	1/28/2026	0.567	Yes	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-12	6.43	4.23	1/28/2026	4.06	Yes	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-15	6.43	4.23	1/27/2026	6.49	Yes	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-4R	160	n/a	1/27/2026	657	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-5R	160	n/a	1/28/2026	692	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-6R	160	n/a	1/28/2026	555	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-11	160	n/a	1/27/2026	882	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-12	160	n/a	1/28/2026	362	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-14	160	n/a	1/28/2026	318	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-16	160	n/a	1/28/2026	1880	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-17	160	n/a	1/28/2026	539	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-20	160	n/a	1/27/2026	1190	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21	160	n/a	1/28/2026	728	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-22	160	n/a	1/28/2026	612	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-16	2640	n/a	1/28/2026	3170	Yes	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:13 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)	GWB-4R	21.8	n/a	1/27/2026	4.23	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-5R	21.8	n/a	1/28/2026	3.41	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-6R	21.8	n/a	1/28/2026	6.84	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-1	21.8	n/a	1/27/2026	0.564	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-2	21.8	n/a	1/28/2026	0.0296J	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-9	21.8	n/a	1/28/2026	0.0235	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-11	21.8	n/a	1/27/2026	3.91	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-12	21.8	n/a	1/28/2026	6.51	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-13	21.8	n/a	1/28/2026	0.262	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-14	21.8	n/a	1/28/2026	0.0511	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-15	21.8	n/a	1/27/2026	0.783	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	**GWC-16**	**21.8**	**n/a**	**1/28/2026**	**43.6**	**Yes**	**48**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000789**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	GWC-17	21.8	n/a	1/28/2026	1.89	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-20	21.8	n/a	1/27/2026	15.1	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-21	21.8	n/a	1/28/2026	11.6	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-22	21.8	n/a	1/28/2026	7.32	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWB-4R**	**35.8**	**n/a**	**1/27/2026**	**170**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-5R**	**35.8**	**n/a**	**1/28/2026**	**133**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-6R**	**35.8**	**n/a**	**1/28/2026**	**84.7**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-1**	**35.8**	**n/a**	**1/27/2026**	**59.6**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-2	35.8	n/a	1/28/2026	0.162J	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	35.8	n/a	1/28/2026	5.02	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-11**	**35.8**	**n/a**	**1/27/2026**	**161**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-12**	**35.8**	**n/a**	**1/28/2026**	**57.8**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-13	35.8	n/a	1/28/2026	7.53	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-14**	**35.8**	**n/a**	**1/28/2026**	**153**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-15**	**35.8**	**n/a**	**1/27/2026**	**176**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-16**	**35.8**	**n/a**	**1/28/2026**	**334**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-17**	**35.8**	**n/a**	**1/28/2026**	**104**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-20**	**35.8**	**n/a**	**1/27/2026**	**285**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-21**	**35.8**	**n/a**	**1/28/2026**	**199**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-22**	**35.8**	**n/a**	**1/28/2026**	**87.9**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWB-4R	260	n/a	1/27/2026	101	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-5R	260	n/a	1/28/2026	58	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-6R	260	n/a	1/28/2026	53.6	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	260	n/a	1/27/2026	5.71	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-2	260	n/a	1/28/2026	3.32	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	260	n/a	1/28/2026	21.4	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	260	n/a	1/27/2026	98.3	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	260	n/a	1/28/2026	43.8	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	260	n/a	1/28/2026	4.59	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14	260	n/a	1/28/2026	19.5	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15	260	n/a	1/27/2026	5.81	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-16	260	n/a	1/28/2026	65.7	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-17**	**260**	**n/a**	**1/28/2026**	**605**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWC-20	260	n/a	1/27/2026	22.2	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	260	n/a	1/28/2026	32.6	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-22**	**260**	**n/a**	**1/28/2026**	**281**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWB-4R	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-5R	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-6R	0.49	n/a	1/28/2026	0.0468J	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-2	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-9	0.49	n/a	1/28/2026	0.0837J	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-11	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-12	0.49	n/a	1/28/2026	0.117	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:13 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-13	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-14	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-15	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**GWC-17**	**0.49**	**n/a**	**1/28/2026**	**0.567**	**Yes**	**52**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0006755**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWC-20	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-21	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-22	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-4R	6.43	4.23	1/27/2026	5.92	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-5R	6.43	4.23	1/28/2026	5.19	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-6R	6.43	4.23	1/28/2026	5.5	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-1	6.43	4.23	1/27/2026	5.68	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-2	6.43	4.23	1/28/2026	4.64	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-9	6.43	4.23	1/28/2026	4.26	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-11	6.43	4.23	1/27/2026	4.91	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	**GWC-12**	**6.43**	**4.23**	**1/28/2026**	**4.06**	**Yes**	**52**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001351**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	GWC-13	6.43	4.23	1/28/2026	4.86	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-14	6.43	4.23	1/28/2026	6.1	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	**GWC-15**	**6.43**	**4.23**	**1/27/2026**	**6.49**	**Yes**	**52**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001351**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	GWC-16	6.43	4.23	1/28/2026	5.08	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-17	6.43	4.23	1/28/2026	4.83	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-20	6.43	4.23	1/27/2026	5.82	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-21	6.43	4.23	1/28/2026	5.67	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-22	6.43	4.23	1/28/2026	4.68	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWB-4R**	**160**	**n/a**	**1/27/2026**	**657**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-5R**	**160**	**n/a**	**1/28/2026**	**692**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-6R**	**160**	**n/a**	**1/28/2026**	**555**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-1	160	n/a	1/27/2026	33	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-2	160	n/a	1/28/2026	10.8	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-9	160	n/a	1/28/2026	23.5	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-11**	**160**	**n/a**	**1/27/2026**	**882**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-12**	**160**	**n/a**	**1/28/2026**	**362**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-13	160	n/a	1/28/2026	48.4	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-14**	**160**	**n/a**	**1/28/2026**	**318**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-15	160	n/a	1/27/2026	84.9	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-16**	**160**	**n/a**	**1/28/2026**	**1880**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-17**	**160**	**n/a**	**1/28/2026**	**539**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-20**	**160**	**n/a**	**1/27/2026**	**1190**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-21**	**160**	**n/a**	**1/28/2026**	**728**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-22**	**160**	**n/a**	**1/28/2026**	**612**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	GWB-4R	2640	n/a	1/27/2026	1770	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-5R	2640	n/a	1/28/2026	1220	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-6R	2640	n/a	1/28/2026	1130	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-1	2640	n/a	1/27/2026	271	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-2	2640	n/a	1/28/2026	21	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-9	2640	n/a	1/28/2026	86	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-11	2640	n/a	1/27/2026	1540	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-12	2640	n/a	1/28/2026	613	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-13	2640	n/a	1/28/2026	79	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-14	2640	n/a	1/28/2026	747	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-15	2640	n/a	1/27/2026	604	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	**GWC-16**	**2640**	**n/a**	**1/28/2026**	**3170**	**Yes**	**43**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009697**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	GWC-17	2640	n/a	1/28/2026	1870	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-20	2640	n/a	1/27/2026	2140	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-21	2640	n/a	1/28/2026	1380	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-22	2640	n/a	1/28/2026	1430	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:17 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	GWA-8 (bg)	0.01389	180	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	GWC-16	2.693	248	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	GWA-7 (bg)	-0.09171	-179	-146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWB-4R	11.57	231	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWB-6R	4.311	302	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-1	1.68	223	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-11	8.87	316	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-14	5.696	156	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-15	2.159	212	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-16	15.55	339	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-20	18.73	134	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	GWC-21	18.02	163	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	GWC-22	-5.078	-119	-105	Yes	24	0	n/a	0.01	NP
Fluoride (mg/L)	GWC-17	-0.05942	-138	-118	Yes	26	3.846	n/a	0.01	NP
pH, Field (SU)	GWA-8 (bg)	0.03174	139	118	Yes	26	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-7 (bg)	-4.607	-333	-146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-8 (bg)	-3.856	-220	-146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-4R	23.82	246	152	Yes	31	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-6R	41	293	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-11	47.43	309	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-16	85.1	355	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-17	21.97	164	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	92.26	122	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-21	66.1	163	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-22	-23.89	-126	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	GWC-16	182.3	222	105	Yes	24	0	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:17 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	GWA-7 (bg)	-1.074	-98	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**GWA-8 (bg)**	**0.01389**	**180**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWC-16**	**2.693**	**248**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09171**	**-179**	**-146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-8 (bg)	0	3	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-4R**	**11.57**	**231**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWB-5R	2.645	112	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-6R**	**4.311**	**302**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-1**	**1.68**	**223**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-11**	**8.87**	**316**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-12	0.8111	46	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-14**	**5.696**	**156**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-15**	**2.159**	**212**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-16**	**15.55**	**339**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-17	3.519	133	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-20**	**18.73**	**134**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-21**	**18.02**	**163**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-22**	**-5.078**	**-119**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-7 (bg)	-3.962	-76	-146	No	30	0	n/a	0.01	NP
Chloride (mg/L)	GWA-8 (bg)	-0.1629	-70	-146	No	30	0	n/a	0.01	NP
Chloride (mg/L)	GWC-17	18	71	146	No	30	0	n/a	0.01	NP
Chloride (mg/L)	GWC-22	-7.432	-74	-105	No	24	0	n/a	0.01	NP
Fluoride (mg/L)	GWA-7 (bg)	-0.008336	-107	-118	No	26	26.92	n/a	0.01	NP
Fluoride (mg/L)	GWA-8 (bg)	-0.005294	-91	-118	No	26	11.54	n/a	0.01	NP
Fluoride (mg/L)	**GWC-17**	**-0.05942**	**-138**	**-118**	**Yes**	**26**	**3.846**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWA-7 (bg)	0.001845	7	118	No	26	0	n/a	0.01	NP
pH, Field (SU)	**GWA-8 (bg)**	**0.03174**	**139**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWC-12	0.008272	39	124	No	27	0	n/a	0.01	NP
pH, Field (SU)	GWC-15	0.02669	98	118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.607**	**-333**	**-146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.856**	**-220**	**-146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWB-4R**	**23.82**	**246**	**152**	**Yes**	**31**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWB-5R	14.09	65	152	No	31	0	n/a	0.01	NP
Sulfate (mg/L)	**GWB-6R**	**41**	**293**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-11**	**47.43**	**309**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWC-12	-1.699	-15	-146	No	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-14	-0.4015	-1	-146	No	30	0	n/a	0.01	NP
Sulfate (mg/L)	**GWC-16**	**85.1**	**355**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-17**	**21.97**	**164**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-20**	**92.26**	**122**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-21**	**66.1**	**163**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-22**	**-23.89**	**-126**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	GWA-7 (bg)	-80.44	-51	-74	No	19	0	n/a	0.01	NP
TDS (mg/L)	GWA-8 (bg)	-9.897	-94	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**GWC-16**	**182.3**	**222**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

Upper Tolerance Limits

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:24 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.003	151	n/a	n/a	96.03	n/a	n/a	0.0004328	NP Inter(NDs)
Arsenic (mg/L)	0.0287	151	n/a	n/a	74.83	n/a	n/a	0.0004328	NP Inter(NDs)
Barium (mg/L)	0.236	149	n/a	n/a	0	n/a	n/a	0.0004795	NP Inter(normality)
Beryllium (mg/L)	0.0017	73	n/a	n/a	65.75	n/a	n/a	0.02365	NP Inter(NDs)
Cadmium (mg/L)	0.001	71	n/a	n/a	97.18	n/a	n/a	0.0262	NP Inter(NDs)
Chromium (mg/L)	0.068	150	n/a	n/a	60	n/a	n/a	0.0004556	NP Inter(NDs)
Cobalt (mg/L)	0.0102	72	n/a	n/a	51.39	n/a	n/a	0.02489	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	10.87	45	1.528	0.3283	0	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.49	52	n/a	n/a	19.23	n/a	n/a	0.06944	NP Inter(normality)
Lead (mg/L)	0.013	147	n/a	n/a	73.47	n/a	n/a	0.0005313	NP Inter(NDs)
Lithium (mg/L)	0.01	48	n/a	n/a	81.25	n/a	n/a	0.08526	NP Inter(NDs)
Mercury (mg/L)	0.0002	42	n/a	n/a	88.1	n/a	n/a	0.116	NP Inter(NDs)
Molybdenum (mg/L)	0.0098	48	n/a	n/a	77.08	n/a	n/a	0.08526	NP Inter(NDs)
Selenium (mg/L)	0.0438	151	n/a	n/a	81.46	n/a	n/a	0.0004328	NP Inter(NDs)
Thallium (mg/L)	0.002	82	n/a	n/a	95.12	n/a	n/a	0.01491	NP Inter(NDs)
Vanadium (mg/L)	0.24	139	n/a	n/a	58.99	n/a	n/a	0.0008009	NP Inter(NDs)
Zinc (mg/L)	0.16	143	n/a	n/a	27.97	n/a	n/a	0.0006523	NP Inter(normality)

GRUMMAN ROAD LANDFILL 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		0.029	0.029
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0017	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.068	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.010	0.010
Combined Radium, Total (pCi/L)	5		10.87	10.87
Fluoride, Total (mg/L)	4		0.49	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.0098	0.1
Selenium, Total (mg/L)	0.05		0.044	0.05
Thallium, Total (mg/L)	0.002		0.002	0.002
Vanadium, Total (mg/L)	n/a		0.24	0.24
Zinc, Total (mg/L)	n/a		0.16	0.16

**Highlighted cells indicated Background is higher than MCLs*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests - All/Significant

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.007466**	**9.209**	**1.96**	**Yes**	**67**	**46.27**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0**	**199**	**151**	**Yes**	**37**	**70.27**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01309**	**126**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests - Truncated All Results (No Significant)

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:47 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	GWC-15	0.004375	6	34	No	13	0	n/a	0.05	NP
Cobalt (mg/L)	GWB-6R	-0.00601	-12	-20	No	9	0	n/a	0.05	NP
Molybdenum (mg/L)	GWB-4R	-0.004388	-15	-34	No	13	0	n/a	0.05	NP

Appendix II & IV Confidence Intervals - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.2695**	**0.1991**	**0.029**	**Yes**	**13**	**0.2343**	**0.04732**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.1076**	**0.07304**	**0.029**	**Yes**	**29**	**0.0903**	**0.03766**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-20**	**0.3632**	**0.2781**	**0.029**	**Yes**	**28**	**0.3206**	**0.091**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**GWB-6R**	**0.0568**	**0.02159**	**0.01**	**Yes**	**9**	**0.0391**	**0.01963**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWB-4R**	**0.157**	**0.1157**	**0.1**	**Yes**	**13**	**0.1363**	**0.02777**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-16**	**0.1798**	**0.1157**	**0.1**	**Yes**	**24**	**0.1477**	**0.06277**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-20**	**0.4872**	**0.2212**	**0.1**	**Yes**	**24**	**0.3542**	**0.2607**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	0.0003	0.006	No	28	0.002904	0.0005103	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-5R	0.003	0.0013	0.006	No	28	0.002755	0.0007341	89.29	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-6R	0.003	0.00059	0.006	No	28	0.002817	0.0006726	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-1	0.003	0.0016	0.006	No	28	0.002688	0.0008004	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-2	0.003	0.0016	0.006	No	28	0.002889	0.0004086	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-9	0.003	0.0016	0.006	No	28	0.002855	0.000561	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-11	0.003	0.0007	0.006	No	28	0.002145	0.001172	64.29	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-12	0.003	0.0003	0.006	No	28	0.002904	0.0005103	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-13	0.003	0.0006	0.006	No	28	0.002914	0.0004536	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-15	0.003	0.0018	0.006	No	28	0.002957	0.0002268	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-17	0.003	0.00286	0.006	No	28	0.002759	0.0006523	82.14	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-20	0.003	0.0019	0.006	No	28	0.002877	0.0004833	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-21	0.003	0.00033	0.006	No	28	0.002905	0.0005046	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-22	0.003	0.0022	0.006	No	28	0.002648	0.000832	82.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWB-4R	0.003982	0.002367	0.029	No	28	0.003353	0.001923	7.143	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GWB-5R	0.0053	0.0014	0.029	No	28	0.007053	0.009636	21.43	None	No	0.01	NP (normality)
Arsenic (mg/L)	GWB-6R	0.004211	0.002064	0.029	No	28	0.007681	0.008502	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	GWC-1	0.00722	0.003337	0.029	No	28	0.006233	0.006089	0	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	GWC-2	0.025	0.00094	0.029	No	28	0.02239	0.007672	89.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-9	0.025	0.00084	0.029	No	28	0.02414	0.004566	96.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-11	0.005	0.00254	0.029	No	28	0.00482	0.0006625	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-12	0.005	0.0016	0.029	No	28	0.004425	0.001442	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-13	0.005	0.0025	0.029	No	28	0.004596	0.001226	89.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-14	0.0036	0.0019	0.029	No	29	0.002832	0.001329	24.14	None	No	0.01	NP (normality)
Arsenic (mg/L)	**GWC-15**	**0.2695**	**0.1991**	**0.029**	**Yes**	**13**	**0.2343**	**0.04732**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.1076**	**0.07304**	**0.029**	**Yes**	**29**	**0.0903**	**0.03766**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-17	0.005	0.0013	0.029	No	28	0.003314	0.00188	53.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**GWC-20**	**0.3632**	**0.2781**	**0.029**	**Yes**	**28**	**0.3206**	**0.091**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-21	0.02	0.0039	0.029	No	28	0.01211	0.0125	25	None	No	0.01	NP (normality)
Arsenic (mg/L)	GWC-22	0.005	0.002	0.029	No	28	0.003669	0.001872	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-25D	0.005	0.00092	0.029	No	12	0.00466	0.001178	91.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-26D	0.005	0.001	0.029	No	8	0.004062	0.001741	75	None	No	0.004	NP (NDs)
Barium (mg/L)	GWB-4R	0.134	0.077	2	No	28	0.1106	0.0423	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWB-5R	0.1369	0.09306	2	No	28	0.1186	0.05126	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWB-6R	0.105	0.0207	2	No	28	0.05632	0.04089	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-1	0.05621	0.05098	2	No	28	0.05359	0.005596	0	None	No	0.01	Param.
Barium (mg/L)	GWC-2	0.0529	0.049	2	No	27	0.05181	0.006587	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-9	0.2212	0.1687	2	No	28	0.198	0.05936	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-11	0.129	0.08827	2	No	28	0.1086	0.0436	0	None	No	0.01	Param.
Barium (mg/L)	GWC-12	0.02271	0.01859	2	No	28	0.02083	0.004548	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-13	0.03796	0.02502	2	No	28	0.03309	0.01556	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	GWC-14	0.0773	0.0274	2	No	29	0.0511	0.02944	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-15	0.0537	0.04369	2	No	28	0.0487	0.01071	0	None	No	0.01	Param.
Barium (mg/L)	GWC-16	0.1539	0.09424	2	No	29	0.1241	0.06513	0	None	No	0.01	Param.
Barium (mg/L)	GWC-17	0.0686	0.0311	2	No	28	0.06662	0.05213	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-20	0.2243	0.1273	2	No	28	0.1875	0.1105	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-21	0.1499	0.07771	2	No	28	0.1274	0.08273	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	GWC-22	0.09309	0.05729	2	No	28	0.07888	0.04236	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-23D	0.0765	0.0554	2	No	11	0.06601	0.01014	0	None	No	0.006	NP (normality)
Barium (mg/L)	MW-24D	0.038	0.0267	2	No	11	0.03142	0.006655	0	None	No	0.006	NP (normality)
Barium (mg/L)	MW-25D	0.02755	0.02336	2	No	11	0.02545	0.002518	0	None	No	0.01	Param.
Barium (mg/L)	MW-26D	0.03379	0.02578	2	No	8	0.02979	0.003779	0	None	No	0.01	Param.
Beryllium (mg/L)	GWB-4R	0.0005	0.0004	0.004	No	24	0.0004125	0.000165	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWB-5R	0.0005	0.00014	0.004	No	24	0.0003184	0.0001819	45.83	None	No	0.01	NP (normality)
Beryllium (mg/L)	GWB-6R	0.0005	0.00005	0.004	No	24	0.0004623	0.0001276	91.67	None	No	0.01	NP (NDs)

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-2	0.0005	0.0003	0.004	No	25	0.0004071	0.000174	76	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-9	0.0002609	0.0002154	0.004	No	24	0.0002381	0.00004454	12.5	None	No	0.01	Param.
Beryllium (mg/L)	GWC-11	0.0005	0.000047	0.004	No	24	0.0004811	0.00009247	95.83	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-12	0.0006986	0.0005143	0.004	No	24	0.0006159	0.0001946	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	GWC-13	0.0005	0.000058	0.004	No	25	0.0004823	0.0000884	96	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-14	0.0005	0.0001	0.004	No	24	0.000448	0.0001407	87.5	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-16	0.0005	0.00009	0.004	No	24	0.0003265	0.00021	58.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-17	0.002368	0.001677	0.004	No	24	0.002078	0.0007551	0	None	x^(1/3)	0.01	Param.
Beryllium (mg/L)	GWC-22	0.0005	0.0002	0.004	No	24	0.000389	0.000179	70.83	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-25D	0.0005	0.0005	0.004	No	11	0.0004622	0.0001254	90.91	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-26D	0.0005	0.000073	0.004	No	8	0.0003451	0.0002139	62.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	GWB-4R	0.001	0.000304	0.005	No	24	0.0008285	0.0003436	79.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-1	0.001	0.0001	0.005	No	25	0.0009268	0.0002534	92	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-11	0.0005613	0.0003393	0.005	No	24	0.0004503	0.0002175	8.333	None	No	0.01	Param.
Cadmium (mg/L)	GWC-14	0.001	0.0002	0.005	No	24	0.0007579	0.000386	70.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-20	0.001	0.000823	0.005	No	24	0.0008748	0.0002828	79.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-22	0.001	0.00023	0.005	No	24	0.0006688	0.000409	58.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-23D	0.001	0.001	0.005	No	11	0.0009336	0.0002201	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-25D	0.001	0.001	0.005	No	11	0.0009264	0.0002442	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-26D	0.001	0.00029	0.005	No	8	0.0008633	0.0002678	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	GWB-4R	0.007114	0.003792	0.1	No	28	0.005895	0.003866	3.571	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	GWB-5R	0.01	0.0014	0.1	No	28	0.008488	0.01319	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	GWB-6R	0.005684	0.002714	0.1	No	28	0.004885	0.004347	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	GWC-1	0.0062	0.0019	0.1	No	28	0.004217	0.003515	25	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-2	0.01	0.0011	0.1	No	28	0.007362	0.004249	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-9	0.01	0.0012	0.1	No	28	0.005953	0.004436	53.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-11	0.01	0.001	0.1	No	28	0.00611	0.004564	53.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-12	0.01	0.0011	0.1	No	28	0.004987	0.004436	42.86	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-13	0.01	0.0011	0.1	No	28	0.007081	0.004325	67.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-14	0.01	0.001	0.1	No	29	0.00623	0.00457	58.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-15	0.01	0.0015	0.1	No	28	0.005757	0.004337	50	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-16	0.01	0.0011	0.1	No	29	0.006299	0.004487	55.17	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-17	0.01	0.0011	0.1	No	28	0.005696	0.004461	50	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-20	0.01	0.0011	0.1	No	28	0.005754	0.004408	50	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-21	0.01	0.0008	0.1	No	28	0.006687	0.004528	60.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-22	0.01	0.0007	0.1	No	28	0.006978	0.004472	67.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-24D	0.01	0.01	0.1	No	11	0.009154	0.002807	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-25D	0.01	0.01	0.1	No	11	0.009236	0.002533	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-26D	0.01	0.002	0.1	No	8	0.009	0.002828	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GWB-4R	0.0027	0.0009	0.01	No	24	0.003588	0.004335	8.333	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWB-5R	0.003306	0.001085	0.01	No	25	0.005882	0.008728	28	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	**GWB-6R**	**0.0568**	**0.02159**	**0.01**	**Yes**	**9**	**0.0391**	**0.01963**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	GWC-2	0.001	0.00036	0.01	No	25	0.0008952	0.0002572	80	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-9	0.0016	0.000944	0.01	No	24	0.001206	0.0003856	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWC-11	0.001	0.00055	0.01	No	24	0.000838	0.0002466	54.17	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-12	0.001061	0.0007429	0.01	No	24	0.0009207	0.0003373	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	GWC-14	0.001	0.0003	0.01	No	24	0.0009708	0.0001429	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-17	0.004385	0.002754	0.01	No	24	0.003858	0.001888	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	GWC-22	0.001	0.000817	0.01	No	24	0.0009086	0.0001776	62.5	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GWB-4R	5.042	3.351	10.87	No	24	4.197	1.657	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-5R	4.081	2.623	10.87	No	24	3.352	1.428	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-6R	6.073	3.71	10.87	No	24	4.891	2.315	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-1	2.269	1.542	10.87	No	24	1.906	0.7122	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-2	1.429	0.7872	10.87	No	24	1.172	0.6739	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-9	3.331	2.081	10.87	No	24	2.804	1.42	0	None	sqrt(x)	0.01	Param.

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 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)	GWC-11	6.684	4.003	10.87	No	24	5.343	2.628	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-12	2.705	1.826	10.87	No	24	2.265	0.8616	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-13	2.052	1.069	10.87	No	24	1.667	1.137	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-14	1.304	0.7612	10.87	No	24	1.032	0.5315	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-15	2.206	1.305	10.87	No	24	1.756	0.8829	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-16	3.492	2.19	10.87	No	24	2.841	1.276	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-17	3.461	2.348	10.87	No	24	2.904	1.09	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-20	4.642	2.729	10.87	No	24	3.685	1.875	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-21	3.744	1.892	10.87	No	24	2.818	1.815	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-22	6.977	4.054	10.87	No	24	5.516	2.864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-23D	2.56	1.034	10.87	No	11	1.797	0.9158	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-24D	2.713	0.8249	10.87	No	11	1.769	1.133	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-25D	2.857	0.5099	10.87	No	11	1.683	1.408	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-26D	2.035	0.5082	10.87	No	8	1.272	0.7204	0	None	No	0.01	Param.
Fluoride (mg/L)	GWB-4R	0.17	0.08	4	No	27	0.1448	0.2194	70.37	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-5R	0.2	0.0546	4	No	27	0.1428	0.0727	55.56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-6R	0.2	0.09	4	No	26	0.1565	0.06992	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	GWC-1	0.18	0.0596	4	No	26	0.1019	0.03367	80.77	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-2	0.1	0.07	4	No	26	0.1091	0.1075	57.69	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-9	0.1763	0.08672	4	No	26	0.1712	0.1958	7.692	None	ln(x)	0.01	Param.
Fluoride (mg/L)	GWC-12	0.5162	0.2262	4	No	26	0.4162	0.3527	3.846	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-13	0.1	0.09	4	No	26	0.109	0.09188	76.92	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-14	0.13	0.1	4	No	26	0.1492	0.1095	76.92	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-15	0.13	0.1	4	No	26	0.1215	0.08181	80.77	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-16	0.4	0.36	4	No	26	0.3511	0.1741	65.38	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-17	0.9689	0.5216	4	No	26	0.7976	0.5	3.846	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-20	0.5	0.269	4	No	26	0.4108	0.1717	76.92	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-21	0.1	0.071	4	No	26	0.09888	0.005687	96.15	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-22	0.2	0.12	4	No	26	0.1623	0.06046	69.23	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-23D	0.08583	0.02535	4	No	12	0.08252	0.03003	50	Kaplan-Meier	x^2	0.01	Param.
Fluoride (mg/L)	MW-24D	0.147	0.037	4	No	12	0.08868	0.03286	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-25D	0.1766	0.1081	4	No	12	0.1423	0.04368	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-26D	0.1	0.0444	4	No	9	0.08764	0.02452	77.78	None	No	0.002	NP (NDs)
Lead (mg/L)	GWB-4R	0.00253	0.0006732	0.015	No	27	0.002925	0.002423	44.44	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	GWB-5R	0.002	0.0003	0.015	No	28	0.001363	0.000849	53.57	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWB-6R	0.002	0.0003	0.015	No	28	0.001338	0.0008577	60.71	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-1	0.002	0.00012	0.015	No	28	0.001727	0.0006804	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-2	0.002	0.0003	0.015	No	28	0.001603	0.0007753	78.57	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-9	0.002	0.00021	0.015	No	28	0.001415	0.0008729	67.86	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-11	0.002	0.00028	0.015	No	28	0.001008	0.0008778	42.86	None	No	0.01	NP (normality)
Lead (mg/L)	GWC-12	0.002	0.0001	0.015	No	28	0.001246	0.001024	53.57	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-13	0.002	0.0005	0.015	No	28	0.001271	0.0008462	53.57	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-14	0.002	0.00051	0.015	No	29	0.001751	0.0006362	86.21	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-15	0.002	0.0002	0.015	No	28	0.00134	0.0009033	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-16	0.002	0.00017	0.015	No	29	0.00123	0.0009336	58.62	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-17	0.002	0.0009	0.015	No	28	0.00149	0.0008332	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-20	0.002	0.0002	0.015	No	28	0.001665	0.0007325	82.14	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-21	0.002	0.00027	0.015	No	28	0.001465	0.0008626	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-22	0.0006174	0.000313	0.015	No	28	0.001082	0.0008295	32.14	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	MW-23D	0.002	0.002	0.015	No	11	0.001823	0.0005858	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	MW-24D	0.002	0.002	0.015	No	11	0.001827	0.0005747	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	MW-25D	0.002	0.002	0.015	No	11	0.001827	0.0005744	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	MW-26D	0.002	0.00015	0.015	No	8	0.001769	0.0006541	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Lithium (mg/L)	GWB-4R	0.01648	0.009616	0.04	No	24	0.01305	0.006722	0	None	No	0.01	Param.
Lithium (mg/L)	GWB-5R	0.01	0.005	0.04	No	24	0.008192	0.002931	70.83	None	No	0.01	NP (NDs)

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	GWC-9	0.01	0.0018	0.04	No	23	0.004722	0.003945	34.78	None	No	0.01	NP (normality)
Lithium (mg/L)	GWC-12	0.01	0.00095	0.04	No	24	0.006241	0.004544	58.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-13	0.01	0.00087	0.04	No	24	0.009235	0.002592	91.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-17	0.006399	0.005158	0.04	No	24	0.005778	0.001216	0	None	No	0.01	Param.
Mercury (mg/L)	GWB-4R	0.000287	0.0001	0.002	No	21	0.0002059	0.00007811	80.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-5R	0.0002	0.000135	0.002	No	22	0.0001874	0.00003344	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-6R	0.0002	0.0001	0.002	No	21	0.0001878	0.00003969	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-1	0.000274	0.0001	0.002	No	21	0.0001911	0.0000444	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-2	0.0002	0.0001	0.002	No	22	0.0001955	0.00002132	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-9	0.0002	0.00011	0.002	No	21	0.0001836	0.0000424	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-11	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-12	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-13	0.0002	0.00013	0.002	No	21	0.0001919	0.000026	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-14	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-15	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-16	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-17	0.000349	0.000172	0.002	No	21	0.0002015	0.00003939	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-20	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-21	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-22	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-23D	0.0002	0.0002	0.002	No	10	0.000191	0.00002846	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-24D	0.0002	0.0002	0.002	No	10	0.0001922	0.00003313	80	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-25D	0.0002	0.0002	0.002	No	10	0.0002033	0.00005536	80	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-26D	0.0002	0.0001	0.002	No	7	0.0001857	0.0000378	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	**GWB-4R**	**0.157**	**0.1157**	**0.1**	**Yes**	**13**	**0.1363**	**0.02777**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWB-5R	0.0012	0.00069	0.1	No	24	0.0009613	0.0003132	75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWB-6R	0.01	0.000615	0.1	No	24	0.005043	0.004678	45.83	None	No	0.01	NP (normality)
Molybdenum (mg/L)	GWC-1	0.1046	0.04852	0.1	No	25	0.0842	0.06309	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	GWC-2	0.001	0.000312	0.1	No	25	0.0009725	0.0001376	96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-11	0.01	0.000613	0.1	No	24	0.006131	0.004683	58.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-12	0.001	0.000205	0.1	No	24	0.0009669	0.0001623	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-13	0.0056	0.001	0.1	No	24	0.001192	0.000939	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-14	0.0165	0.007678	0.1	No	24	0.01209	0.008645	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-15	0.1001	0.0771	0.1	No	24	0.08861	0.02255	0	None	No	0.01	Param.
Molybdenum (mg/L)	**GWC-16**	**0.1798**	**0.1157**	**0.1**	**Yes**	**24**	**0.1477**	**0.06277**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-17	0.01	0.00353	0.1	No	24	0.005732	0.003203	33.33	None	No	0.01	NP (normality)
Molybdenum (mg/L)	**GWC-20**	**0.4872**	**0.2212**	**0.1**	**Yes**	**24**	**0.3542**	**0.2607**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-21	0.05518	0.0271	0.1	No	24	0.04114	0.02752	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-22	0.00364	0.000334	0.1	No	24	0.001054	0.0005825	87.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-23D	0.001	0.000408	0.1	No	12	0.0009507	0.0001709	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-24D	0.002174	0.0008116	0.1	No	12	0.001533	0.0009818	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-25D	0.0011	0.000257	0.1	No	12	0.0009107	0.0003519	58.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-26D	0.001	0.000204	0.1	No	9	0.0009116	0.0002653	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	GWB-4R	0.003943	0.002907	0.05	No	28	0.004039	0.001204	32.14	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	GWB-5R	0.025	0.0073	0.05	No	28	0.01972	0.009364	75	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	GWB-6R	0.01	0.00223	0.05	No	28	0.005802	0.003846	42.86	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-1	0.0024	0.0018	0.05	No	28	0.003076	0.004036	7.143	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-2	0.025	0.0035	0.05	No	28	0.02341	0.005839	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-11	0.006359	0.003415	0.05	No	28	0.005999	0.005416	14.29	None	ln(x)	0.01	Param.
Selenium (mg/L)	GWC-12	0.005	0.003	0.05	No	28	0.004621	0.0009593	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-14	0.004214	0.003143	0.05	No	29	0.003678	0.001169	3.448	None	No	0.01	Param.
Selenium (mg/L)	GWC-15	0.004457	0.002405	0.05	No	28	0.004885	0.002581	46.43	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	GWC-16	0.004675	0.003095	0.05	No	29	0.003885	0.001725	13.79	None	No	0.01	Param.
Selenium (mg/L)	GWC-17	0.005	0.0018	0.05	No	28	0.003842	0.001666	64.29	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-20	0.005	0.0024	0.05	No	28	0.004031	0.001541	67.86	None	No	0.01	NP (NDs)

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-21	0.01533	0.008143	0.05	No	28	0.0127	0.00836	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	GWC-22	0.005	0.0023	0.05	No	28	0.004532	0.001186	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-4R	0.002	0.00007	0.002	No	24	0.001839	0.0005449	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-5R	0.002	0.00031	0.002	No	24	0.001849	0.0005142	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-1	0.002	0.000054	0.002	No	25	0.001766	0.0006459	88	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-2	0.002	0.00011	0.002	No	25	0.001924	0.000378	96	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-11	0.002	0.00019	0.002	No	24	0.00138	0.0008965	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-12	0.002	0.0002	0.002	No	24	0.001395	0.0008746	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-14	0.002	0.00007	0.002	No	24	0.001839	0.0005463	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-16	0.002	0.00006	0.002	No	24	0.001838	0.0005491	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-17	0.002	0.0001	0.002	No	24	0.001521	0.000848	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-21	0.002	0.00005	0.002	No	24	0.001919	0.000398	95.83	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-22	0.002	0.00017	0.002	No	24	0.001603	0.00079	79.17	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWB-4R	0.02594	0.01083	0.24	No	23	0.01839	0.01444	4.348	None	No	0.01	Param.
Vanadium (mg/L)	GWB-5R	0.01268	0.005546	0.24	No	23	0.01196	0.01313	4.348	None	ln(x)	0.01	Param.
Vanadium (mg/L)	GWB-6R	0.02739	0.01165	0.24	No	23	0.02258	0.02068	0	None	x^(1/3)	0.01	Param.
Vanadium (mg/L)	GWC-1	0.006311	0.003761	0.24	No	23	0.008144	0.006035	17.39	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-2	0.02	0.00777	0.24	No	23	0.01671	0.006427	78.26	Kaplan-Meier	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-9	0.02	0.0103	0.24	No	23	0.01592	0.007198	73.91	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-11	0.00685	0.0023	0.24	No	23	0.006855	0.007201	21.74	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-12	0.007273	0.004717	0.24	No	23	0.005995	0.002444	8.696	None	No	0.01	Param.
Vanadium (mg/L)	GWC-13	0.02	0.00361	0.24	No	23	0.01354	0.008275	56.52	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-14	0.0127	0.006642	0.24	No	26	0.01041	0.006937	11.54	None	sqrt(x)	0.01	Param.
Vanadium (mg/L)	GWC-15	0.003653	0.002403	0.24	No	25	0.004881	0.003133	24	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-16	0.00575	0.0029	0.24	No	26	0.01091	0.01704	15.38	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-17	0.02	0.0031	0.24	No	23	0.0104	0.008071	39.13	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-20	0.00736	0.0029	0.24	No	25	0.005414	0.002848	20	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-21	0.005754	0.003449	0.24	No	23	0.005631	0.002894	17.39	Kaplan-Meier	No	0.01	Param.
Vanadium (mg/L)	GWC-22	0.02	0.00394	0.24	No	23	0.01342	0.00965	52.17	None	No	0.01	NP (NDs)
Vanadium (mg/L)	MW-24D	0.02	0.02	0.24	No	11	0.01856	0.004782	90.91	None	No	0.006	NP (NDs)
Vanadium (mg/L)	MW-25D	0.02	0.02	0.24	No	11	0.0184	0.005307	90.91	None	No	0.006	NP (NDs)
Zinc (mg/L)	GWB-4R	0.02	0.0064	0.16	No	23	0.01218	0.006818	39.13	None	No	0.01	NP (normality)
Zinc (mg/L)	GWB-5R	0.1	0.0081	0.16	No	23	0.08322	0.03741	82.61	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWB-6R	0.01439	0.004571	0.16	No	23	0.01387	0.01071	39.13	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	GWC-1	0.02	0.00917	0.16	No	23	0.01559	0.007006	69.57	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-2	0.1	0.0125	0.16	No	23	0.07326	0.04261	69.57	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-9	0.1	0.0033	0.16	No	23	0.04746	0.0474	43.48	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-11	0.02	0.0061	0.16	No	23	0.0166	0.008773	69.57	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-12	0.02	0.0031	0.16	No	23	0.01109	0.008745	39.13	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-13	0.02792	0.01209	0.16	No	23	0.02	0.01513	0	None	No	0.01	Param.
Zinc (mg/L)	GWC-14	0.02	0.01	0.16	No	26	0.01768	0.005702	84.62	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-15	0.032	0.0051	0.16	No	25	0.01924	0.005038	88	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-16	0.02	0.01	0.16	No	26	0.01533	0.007436	69.23	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-17	0.01077	0.006922	0.16	No	23	0.008844	0.003675	8.696	None	No	0.01	Param.
Zinc (mg/L)	GWC-20	0.02	0.0171	0.16	No	25	0.01848	0.005702	80	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-21	0.02	0.0096	0.16	No	23	0.01608	0.006965	73.91	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-22	0.02	0.006	0.16	No	23	0.01427	0.006989	52.17	None	No	0.01	NP (NDs)
Zinc (mg/L)	MW-23D	0.02	0.00452	0.16	No	11	0.01412	0.006728	45.45	None	No	0.006	NP (normality)
Zinc (mg/L)	MW-24D	0.02	0.0102	0.16	No	11	0.01752	0.005784	81.82	None	No	0.006	NP (NDs)
Zinc (mg/L)	MW-25D	0.02039	0.005077	0.16	No	11	0.01806	0.0125	45.45	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	MW-26D	0.02668	0.005878	0.16	No	8	0.01677	0.01138	25	Kaplan-Meier	sqrt(x)	0.01	Param.

Appendix II & IV Trend Tests - Confidence Interval Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.000675**	**-121**	**-101**	**Yes**	**28**	**21.43**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-15**	**0.0276**	**276**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008752**	**239**	**106**	**Yes**	**29**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.000351**	**-121**	**-76**	**Yes**	**23**	**17.39**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001556**	**-104**	**-81**	**Yes**	**24**	**33.33**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.00258**	**108**	**81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00009265**	**-97**	**-81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01309**	**126**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWC-20**	**0.05132**	**88**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**

Appendix II & IV Trend Tests - Confidence Interval Exceedances - All Results

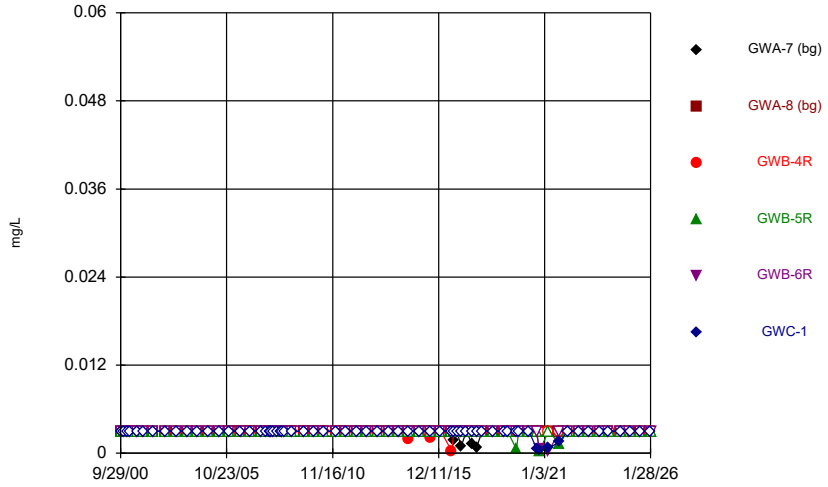
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.000675**	**-121**	**-101**	**Yes**	**28**	**21.43**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWA-8 (bg)	0	37	106	No	29	72.41	n/a	0.05	NP
Arsenic (mg/L)	**GWC-15**	**0.0276**	**276**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008752**	**239**	**106**	**Yes**	**29**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWC-20	0.0008421	4	101	No	28	0	n/a	0.05	NP
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.000351**	**-121**	**-76**	**Yes**	**23**	**17.39**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001556**	**-104**	**-81**	**Yes**	**24**	**33.33**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.00258**	**108**	**81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00009265**	**-97**	**-81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWA-8 (bg)	0	0	81	No	24	100	n/a	0.05	NP
Molybdenum (mg/L)	**GWB-4R**	**0.01309**	**126**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWC-16	-0.004095	-23	-81	No	24	0	n/a	0.05	NP
Molybdenum (mg/L)	**GWC-20**	**0.05132**	**88**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**

FIGURE A.

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Hollow symbols indicate censored values.

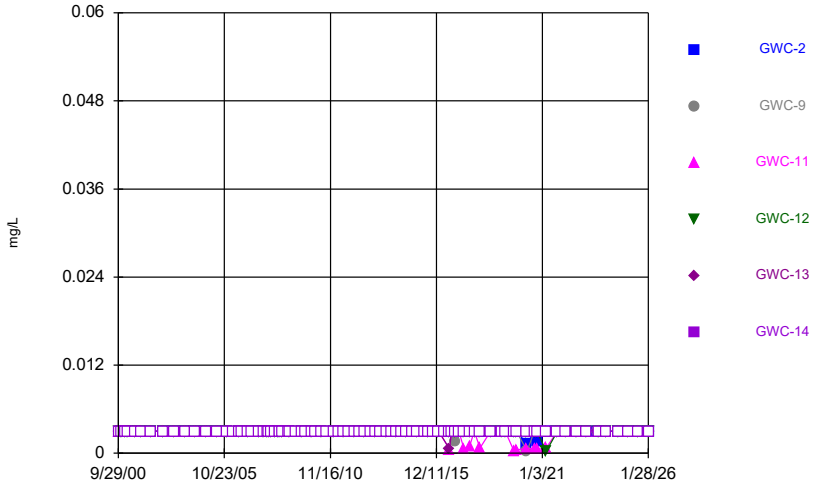
Time Series



Constituent: Antimony Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

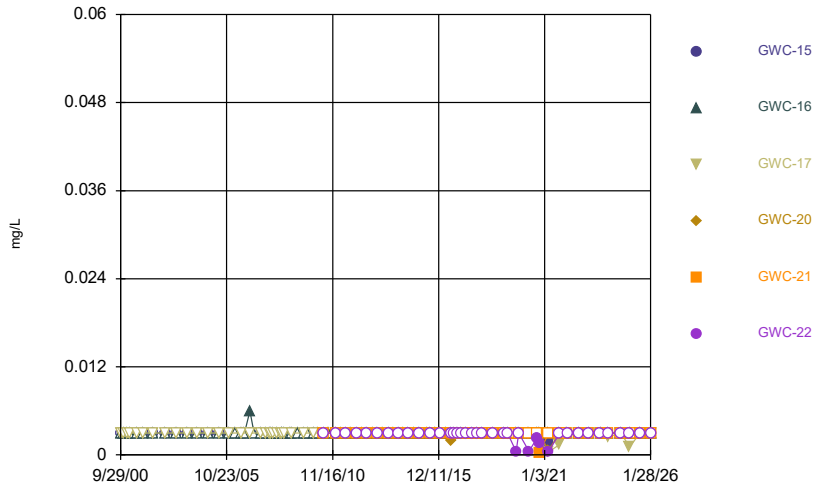
Time Series



Constituent: Antimony Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

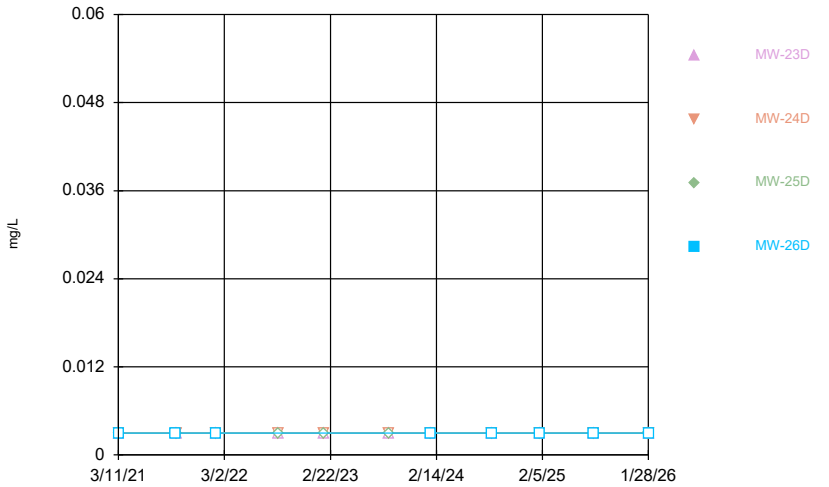
Time Series



Constituent: Antimony Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

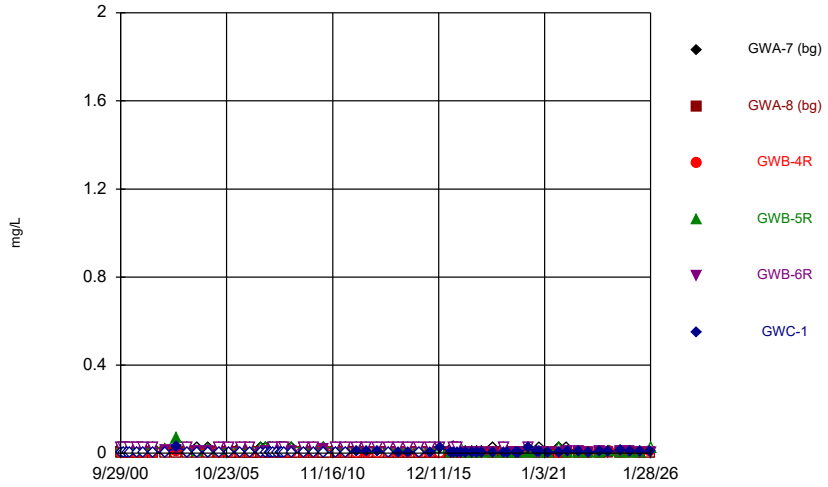
Time Series



Constituent: Antimony Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

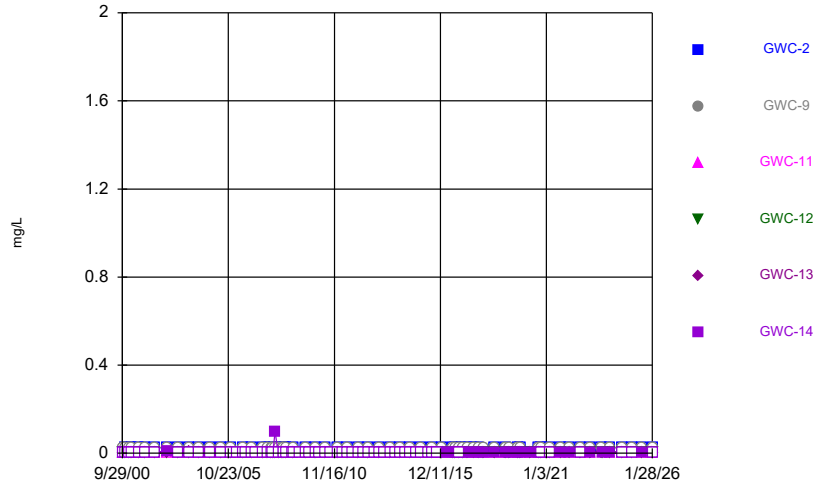
Time Series



Constituent: Arsenic Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

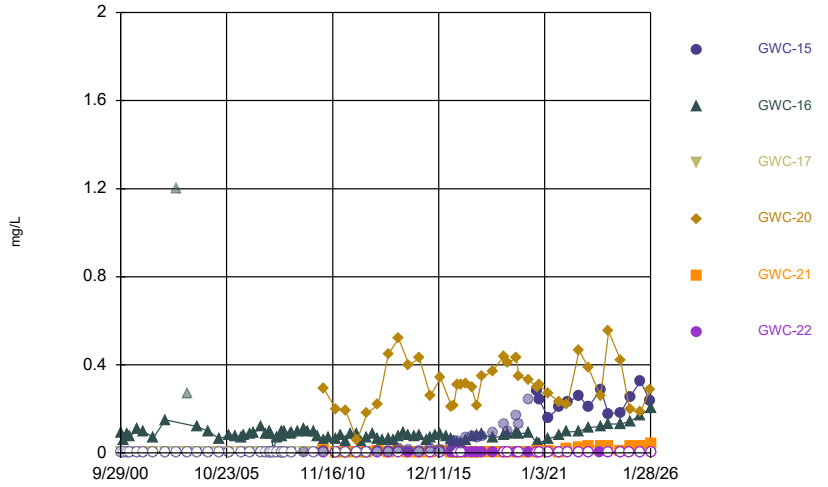
Time Series



Constituent: Arsenic Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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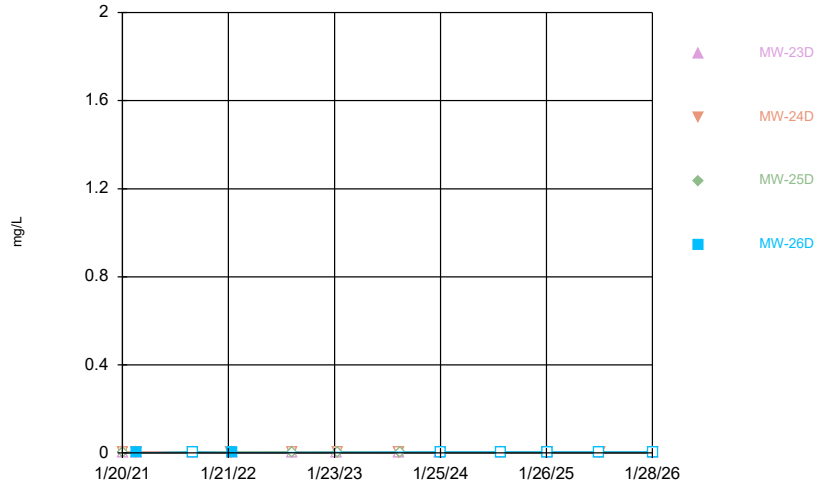
Time Series



Constituent: Arsenic Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
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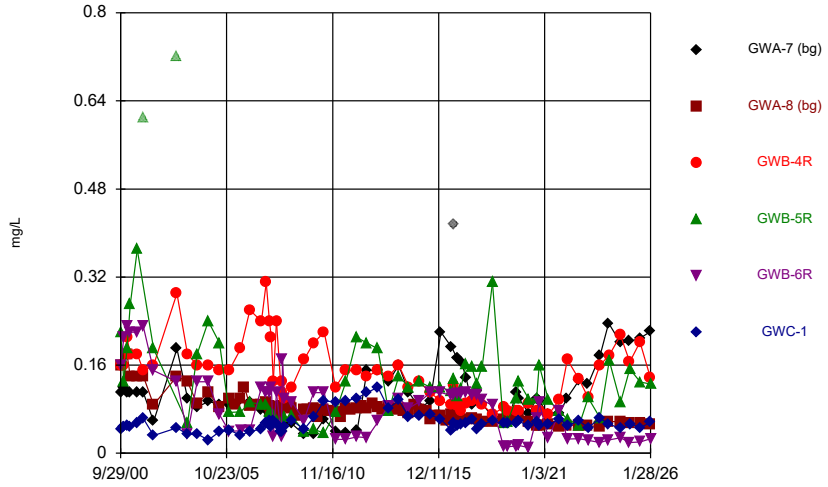
Time Series



Constituent: Arsenic Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series



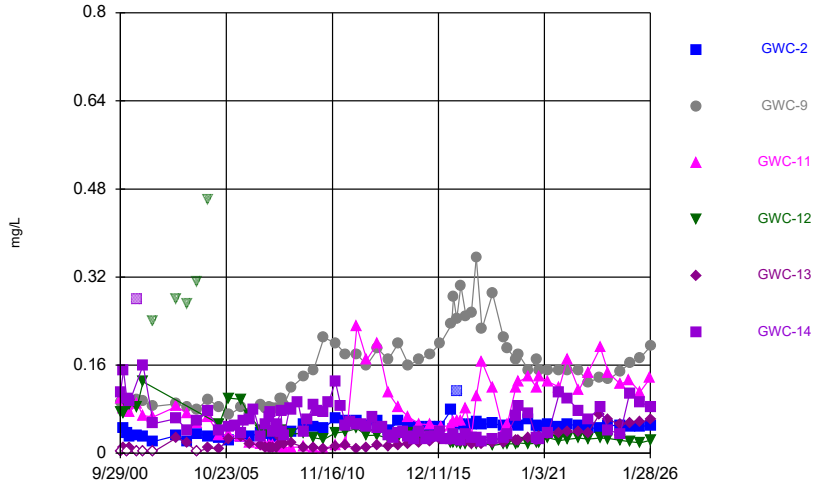
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Time Series

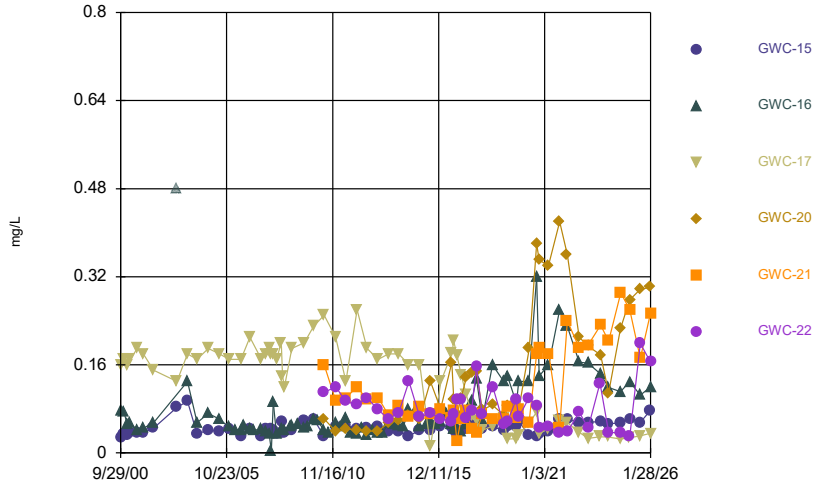


Constituent: Barium Analysis Run 4/1/2026 11:20 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series

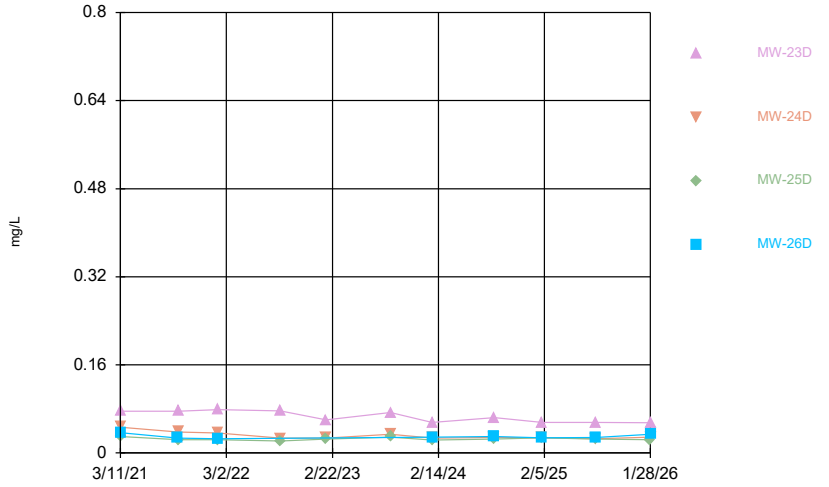


Constituent: Barium Analysis Run 4/1/2026 11:20 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

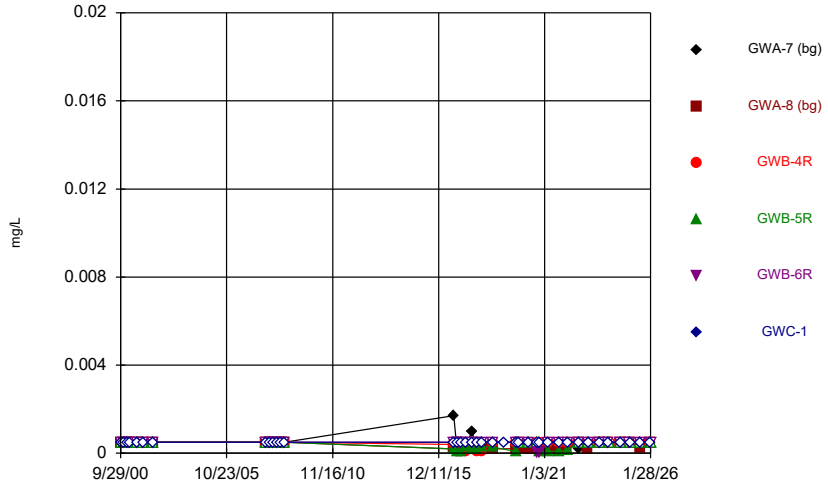


Constituent: Barium Analysis Run 4/1/2026 11:20 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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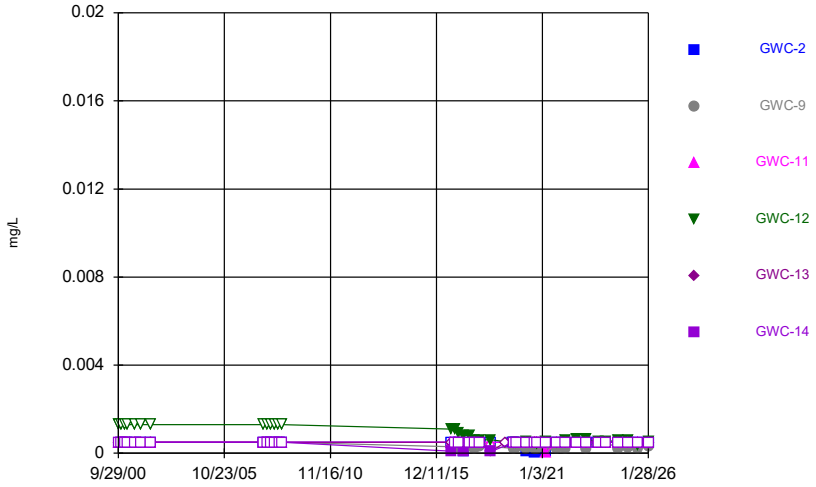
Time Series



Constituent: Beryllium Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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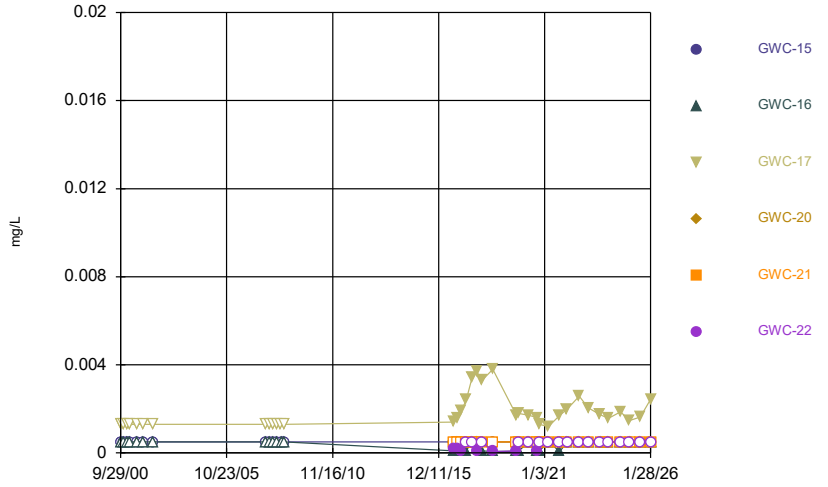
Time Series



Constituent: Beryllium Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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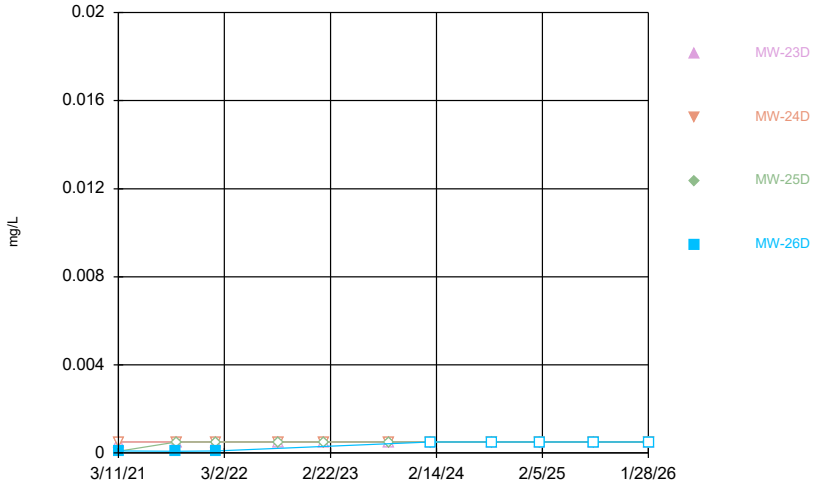
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Constituent: Beryllium Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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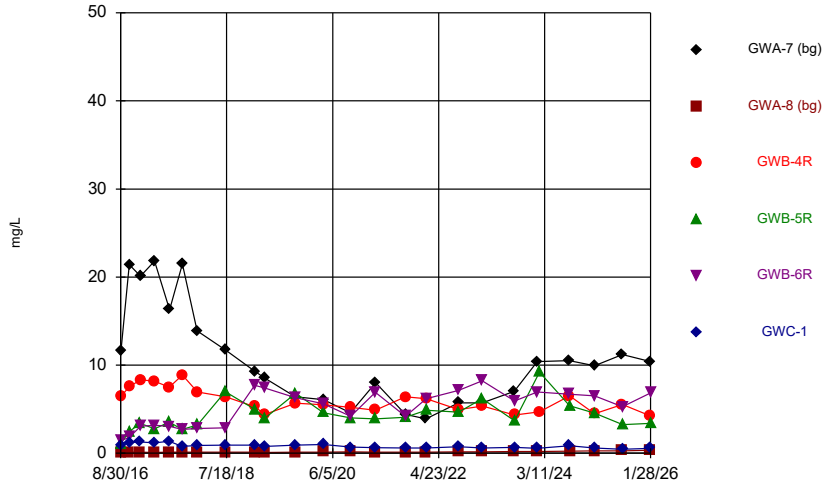
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Constituent: Beryllium Analysis Run 4/1/2026 11:20 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series

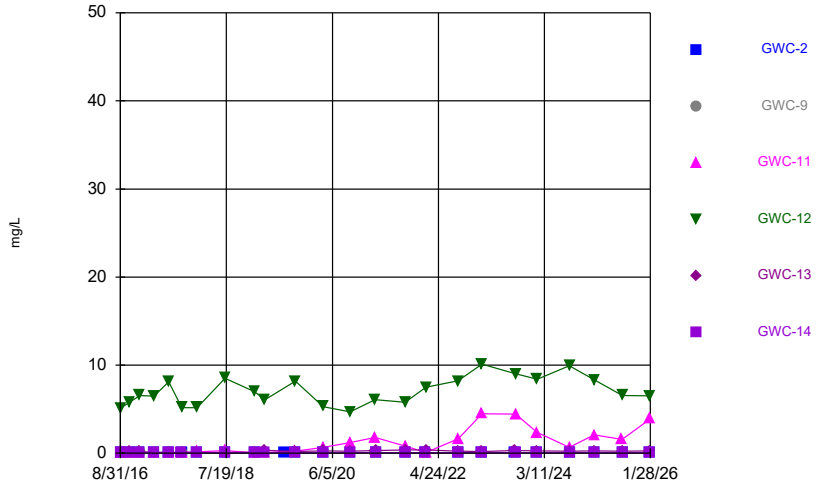


Constituent: Boron Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series

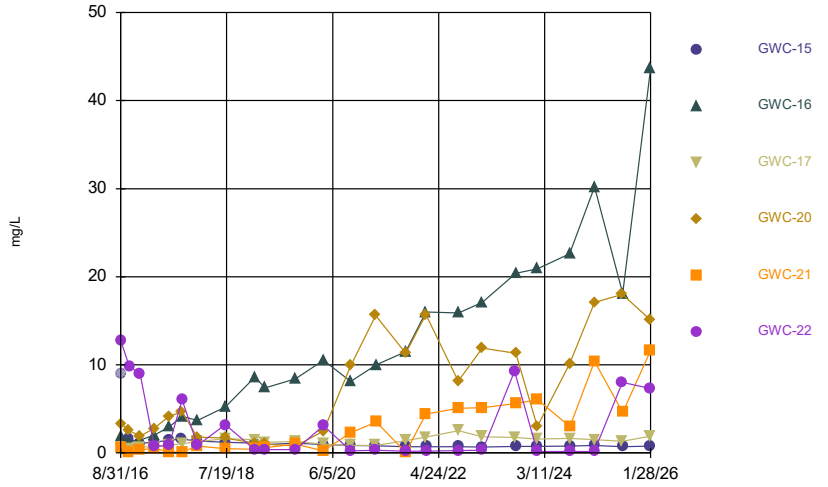


Constituent: Boron Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series

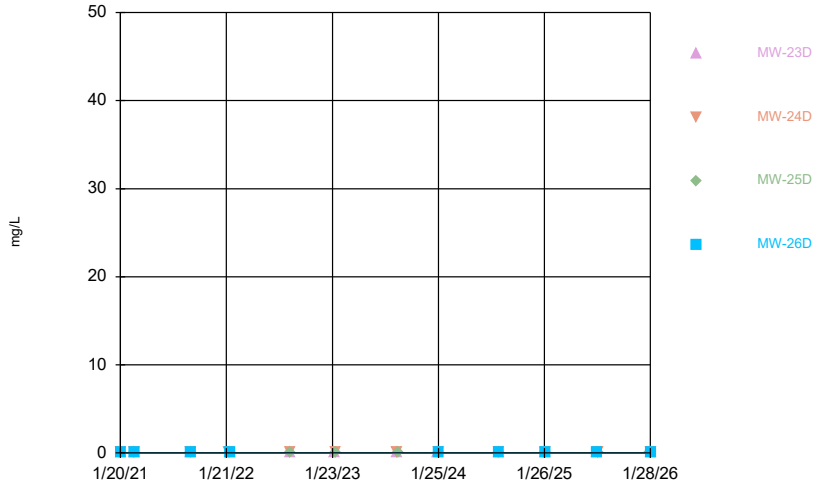


Constituent: Boron Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

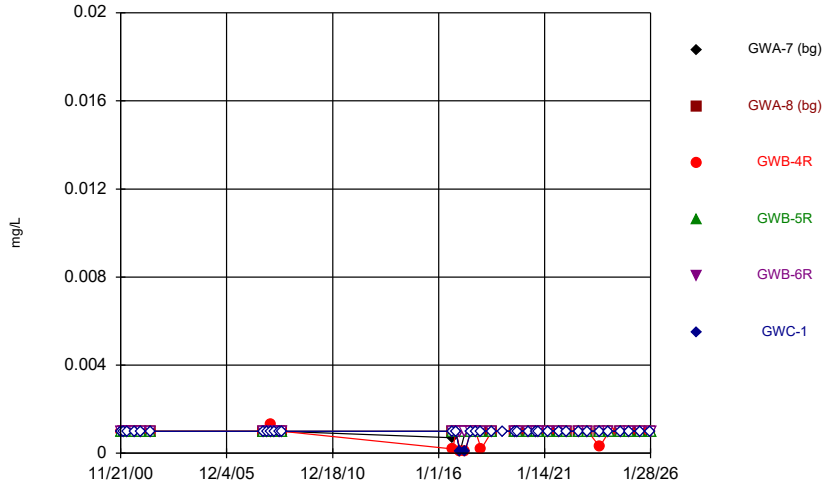


Constituent: Boron Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

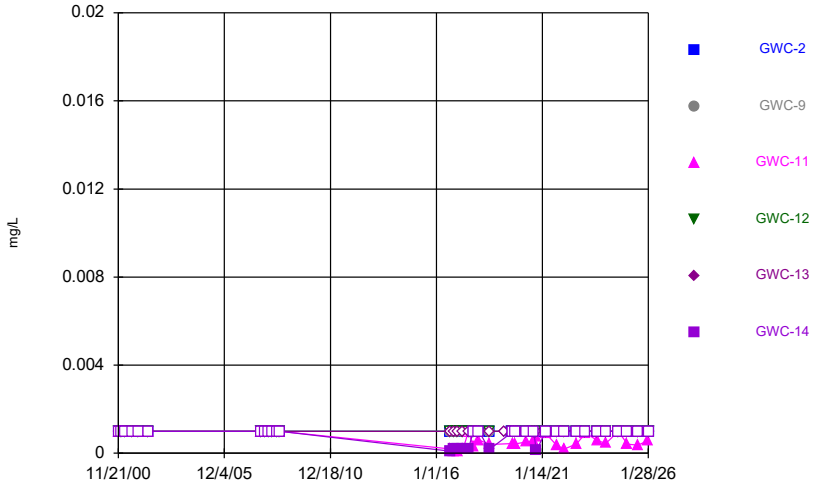
Time Series



Constituent: Cadmium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

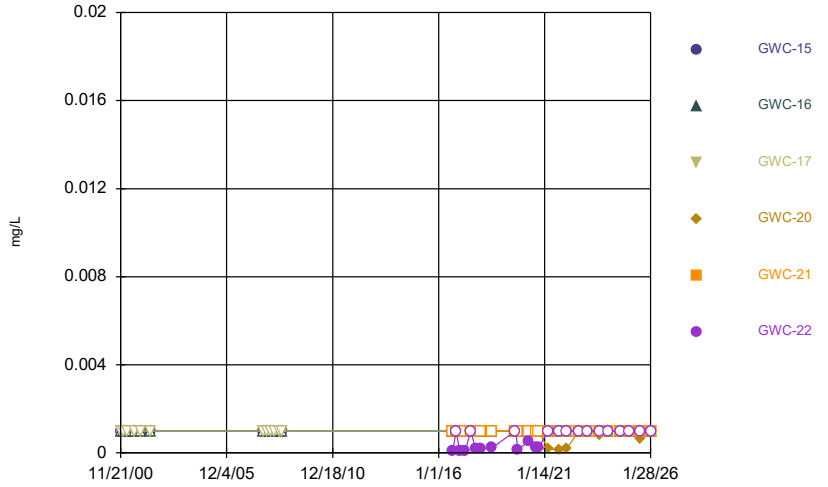
Time Series



Constituent: Cadmium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

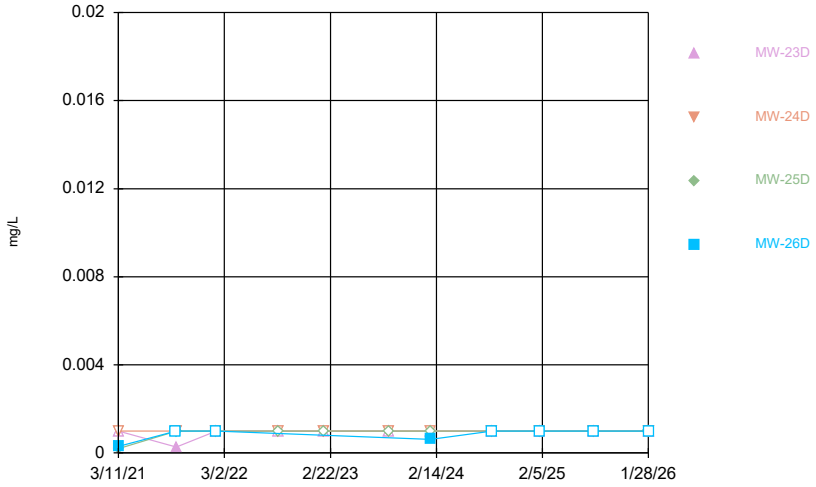
Time Series



Constituent: Cadmium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

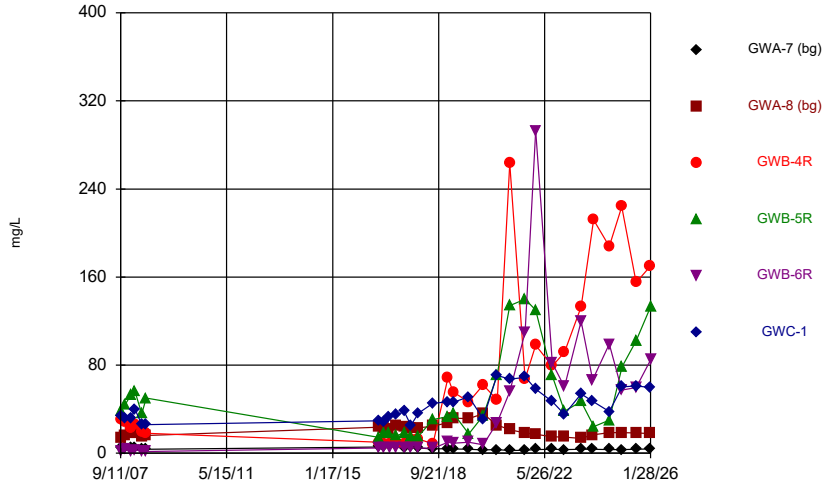
Time Series



Constituent: Cadmium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

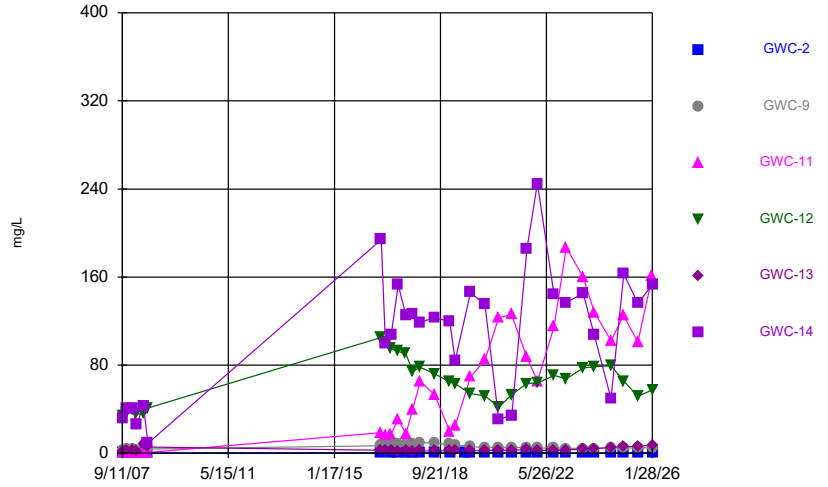


Constituent: Calcium Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

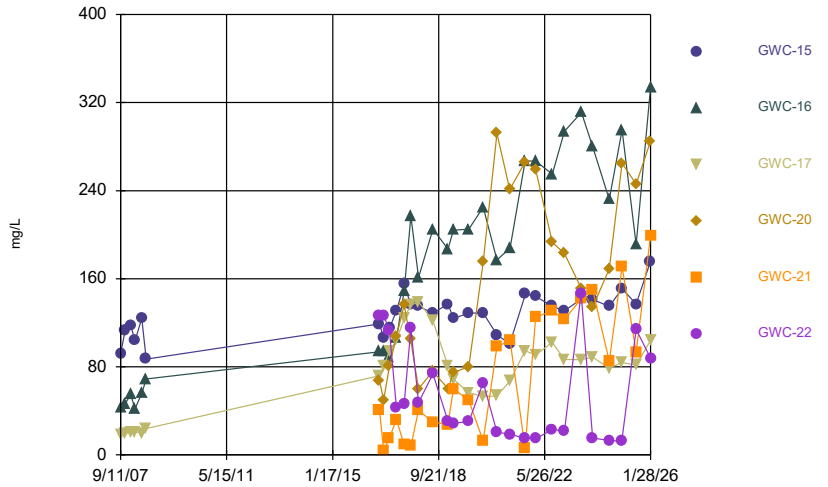


Constituent: Calcium Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Time Series

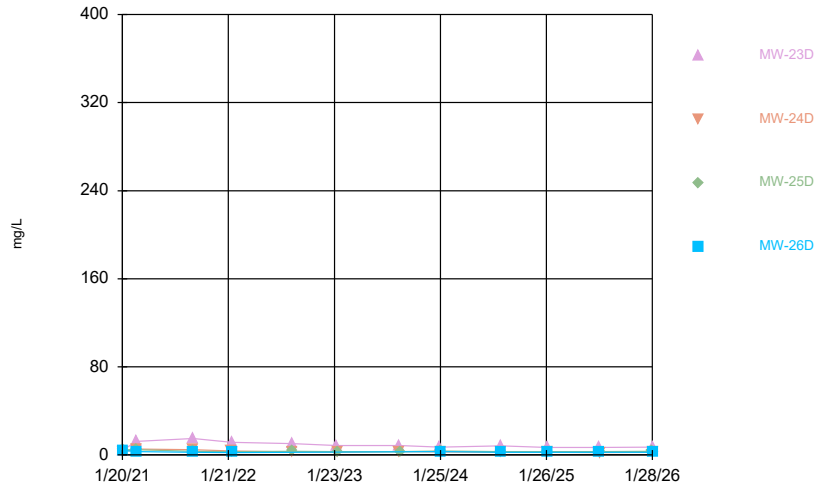


Constituent: Calcium Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

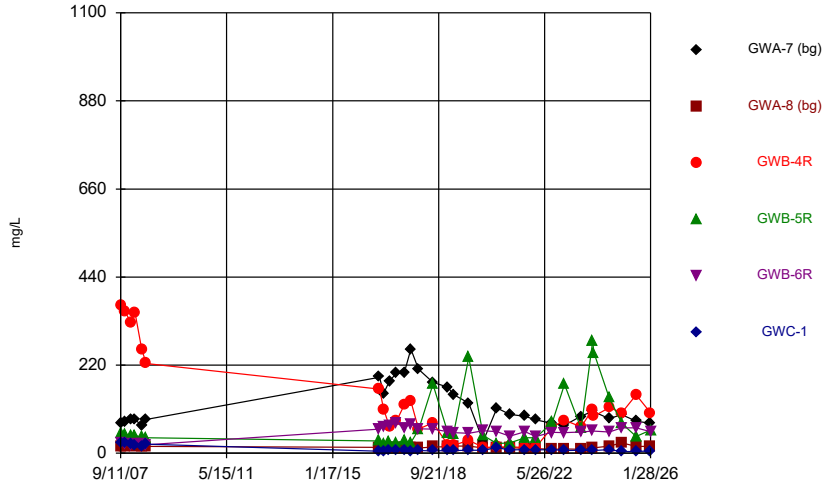


Constituent: Calcium Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

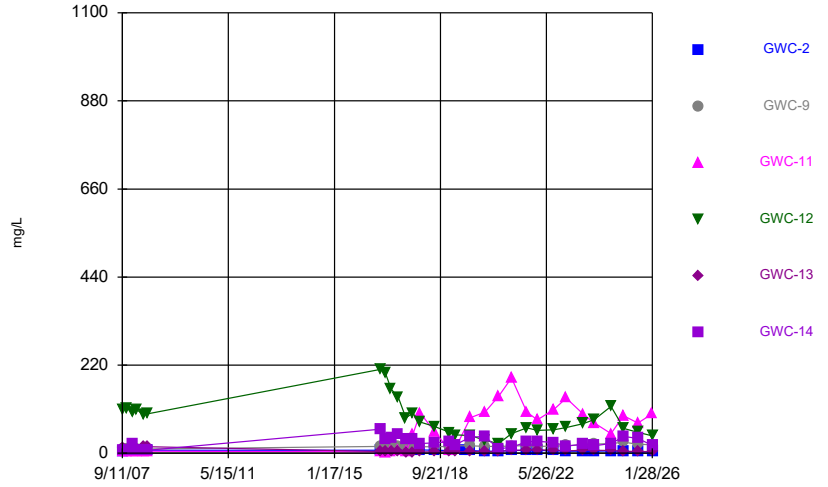


Constituent: Chloride Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

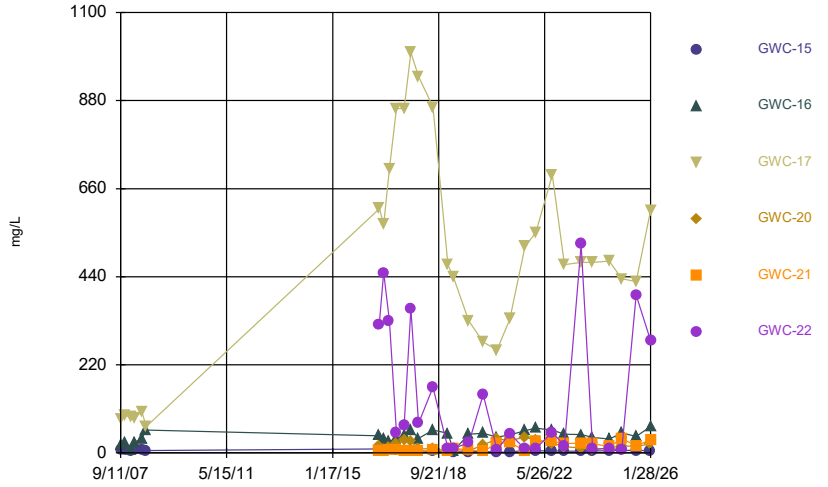


Constituent: Chloride Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

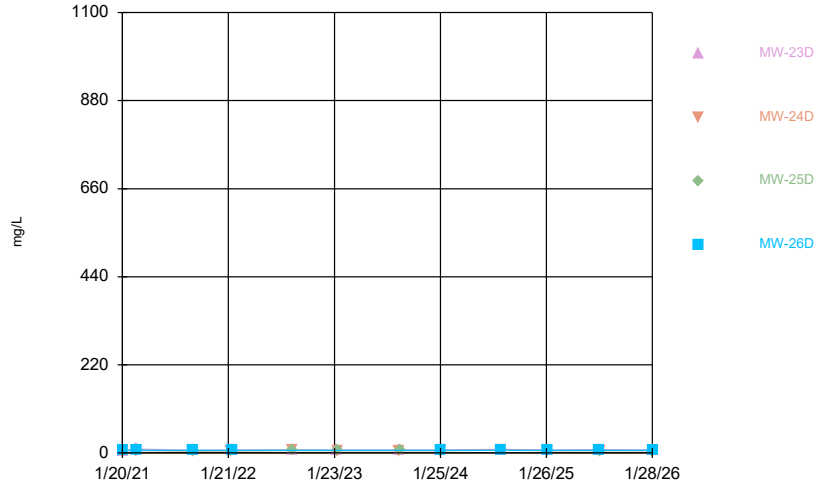


Constituent: Chloride Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

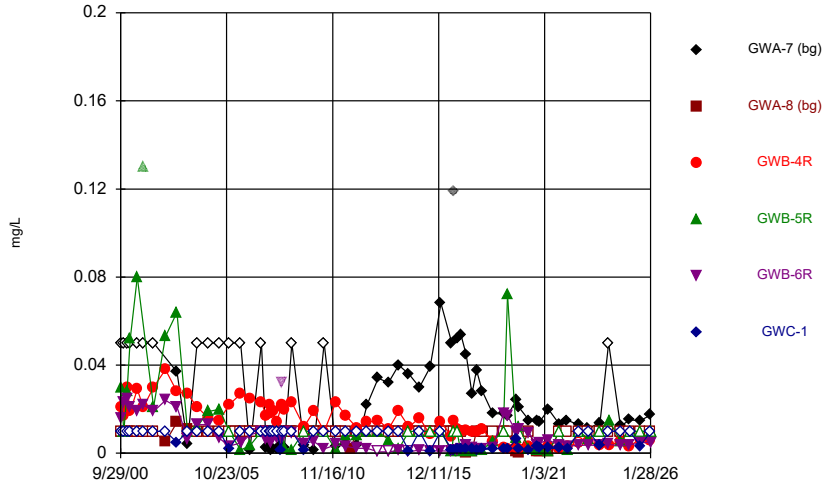


Constituent: Chloride Analysis Run 4/1/2026 11:21 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

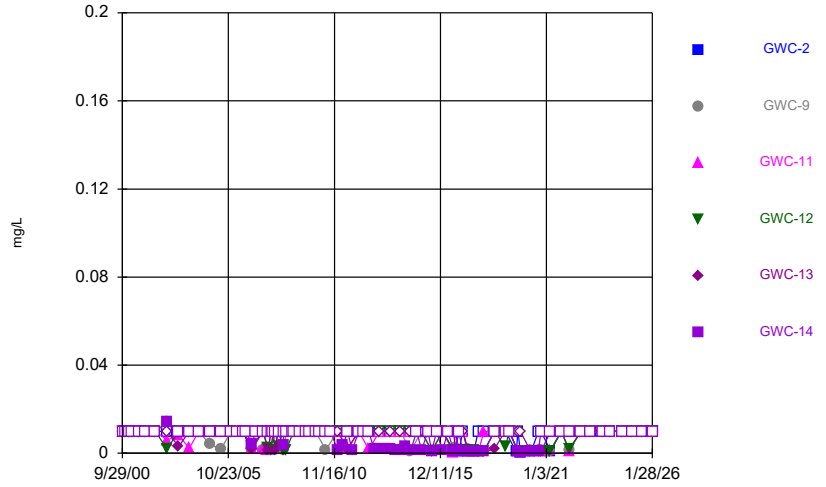
Time Series



Constituent: Chromium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

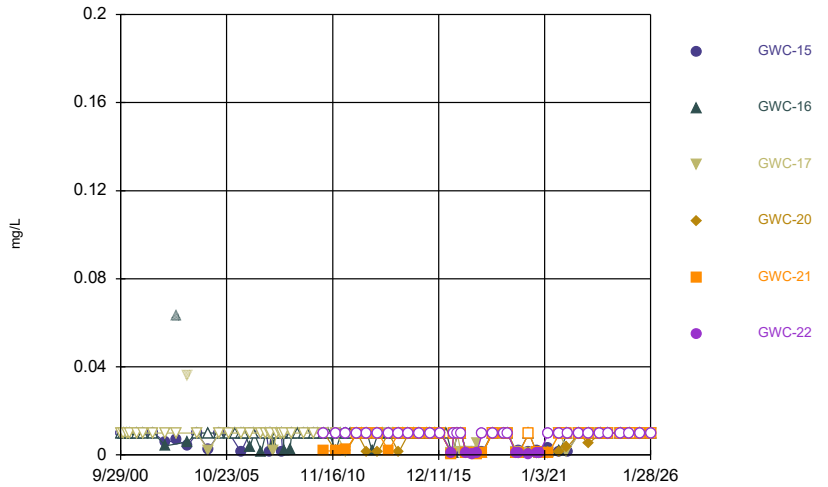
Time Series



Constituent: Chromium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

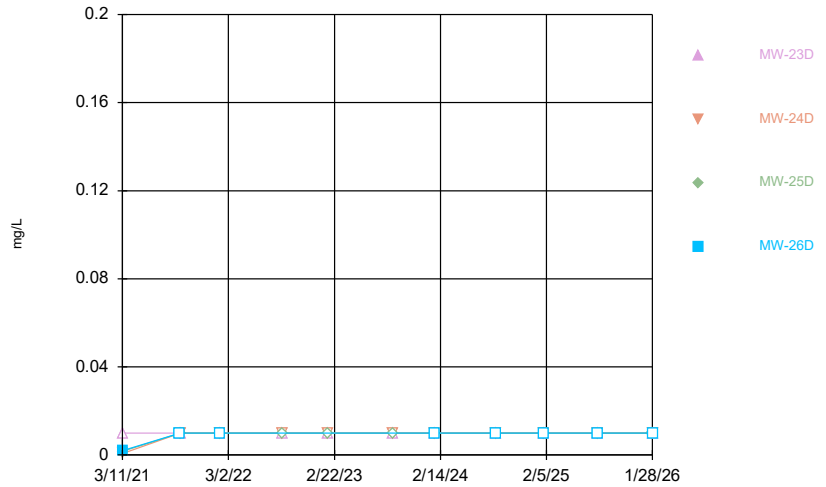
Time Series



Constituent: Chromium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

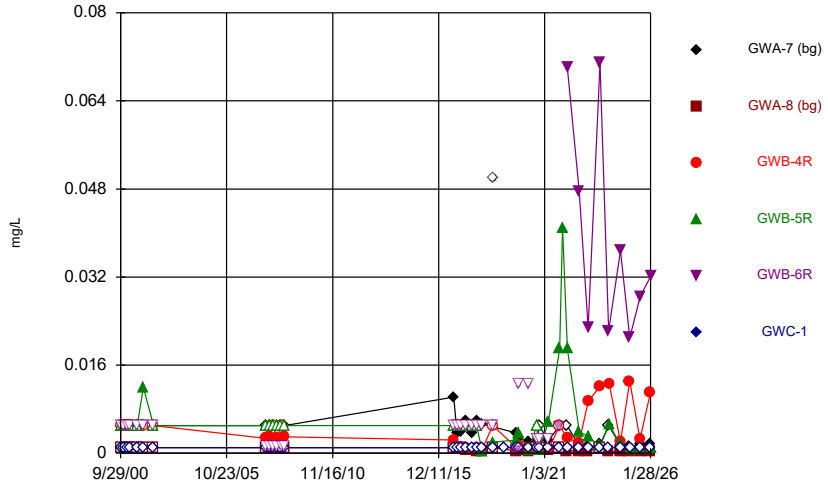
Time Series



Constituent: Chromium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

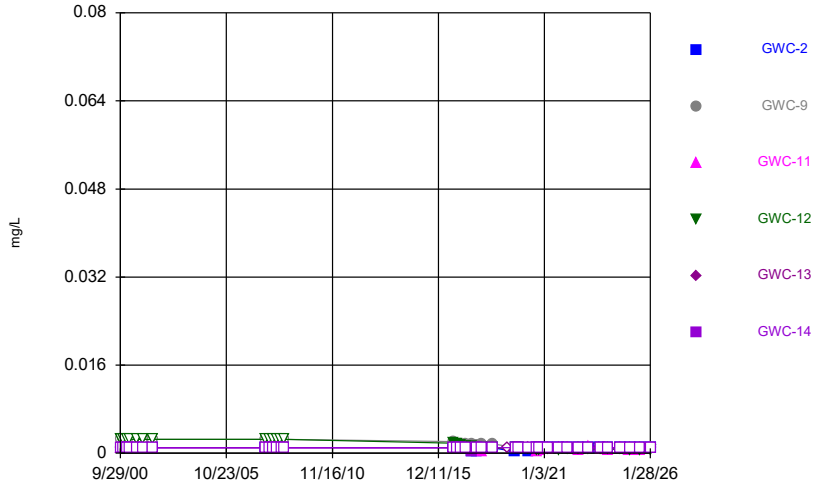
Time Series



Constituent: Cobalt Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

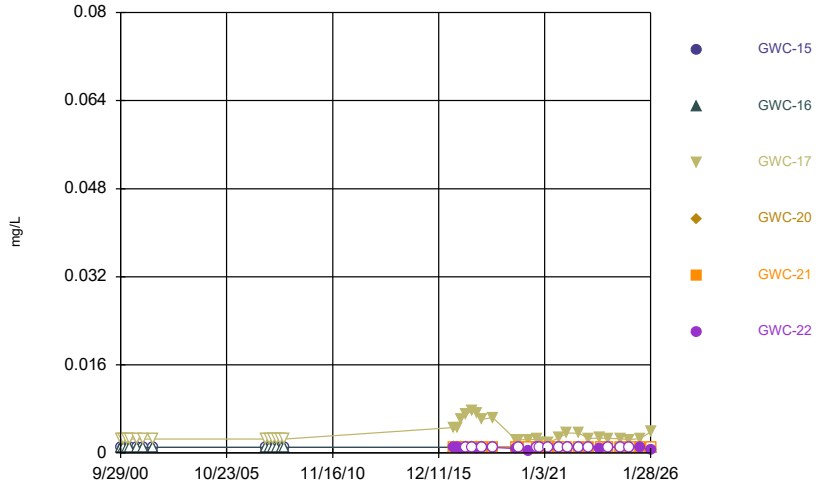
Time Series



Constituent: Cobalt Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

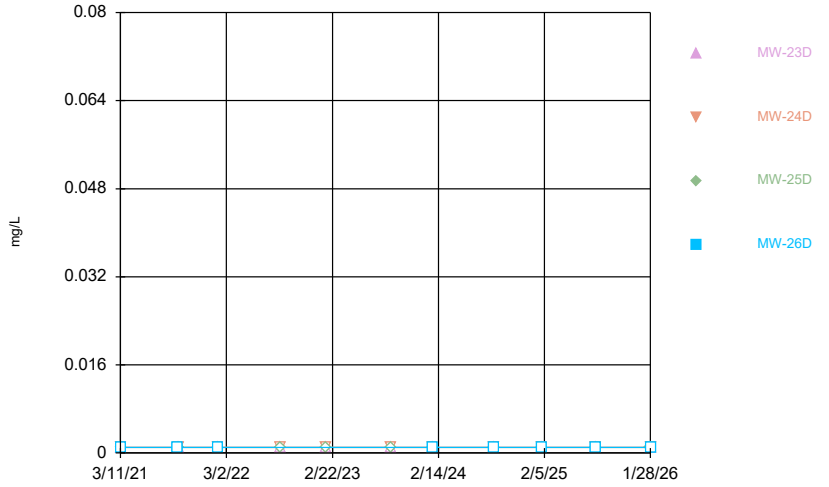
Time Series



Constituent: Cobalt Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

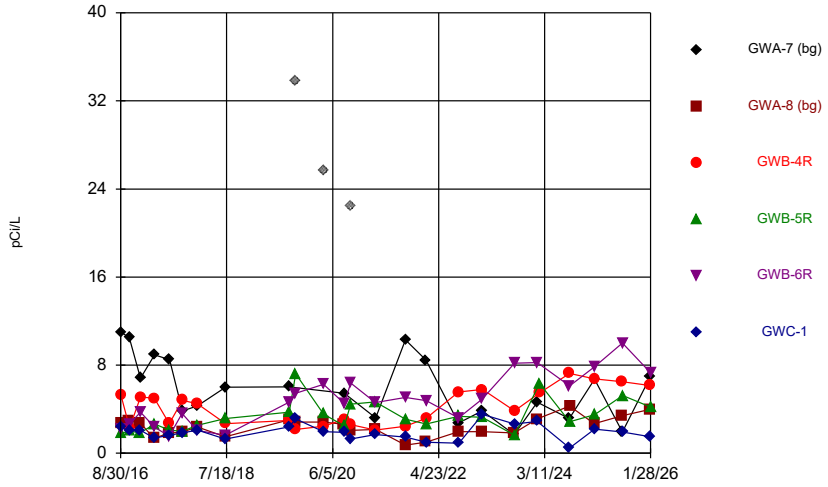
Time Series



Constituent: Cobalt Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

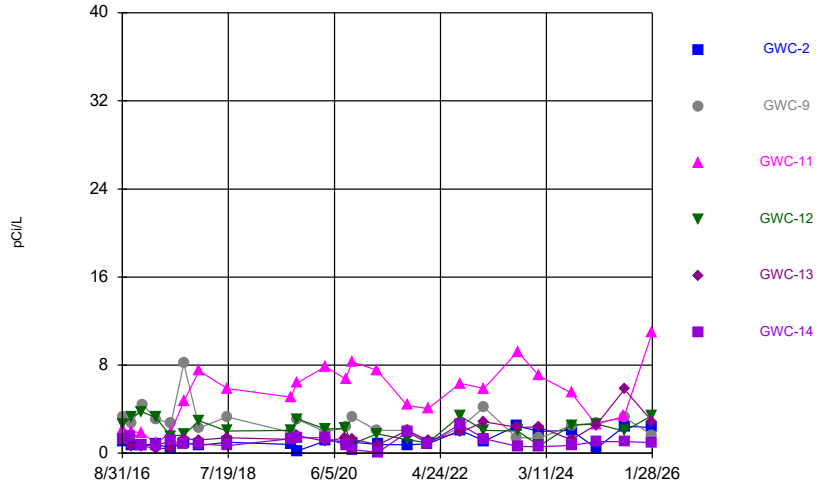
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

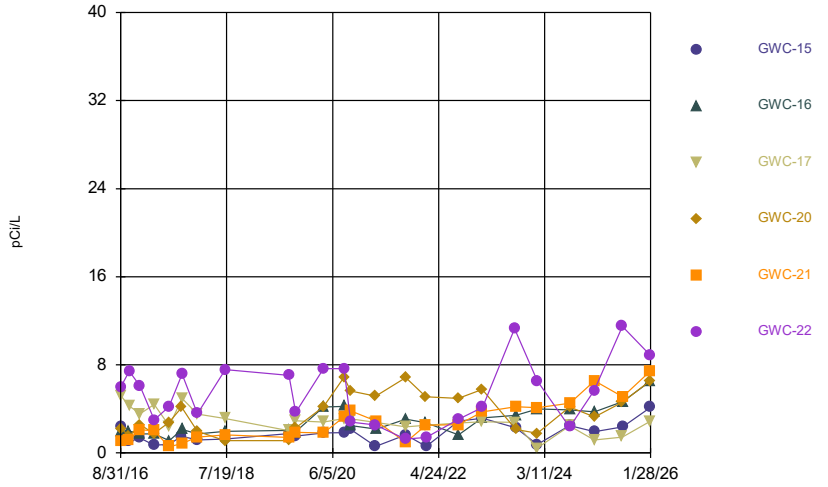
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

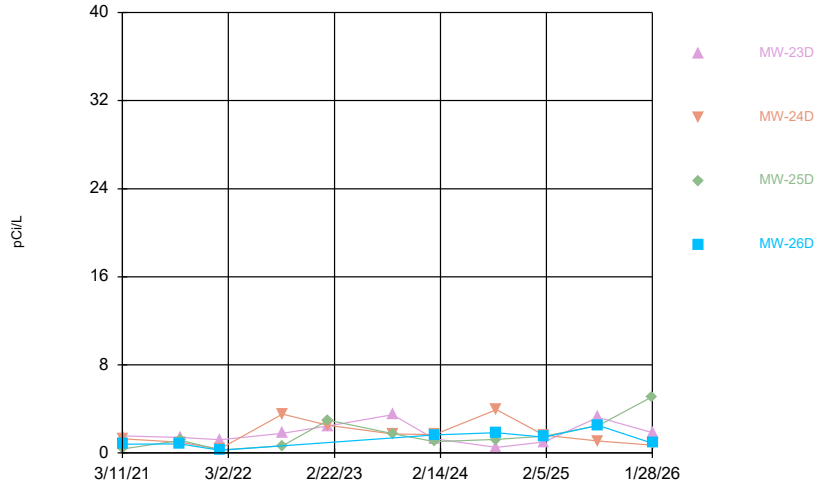
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

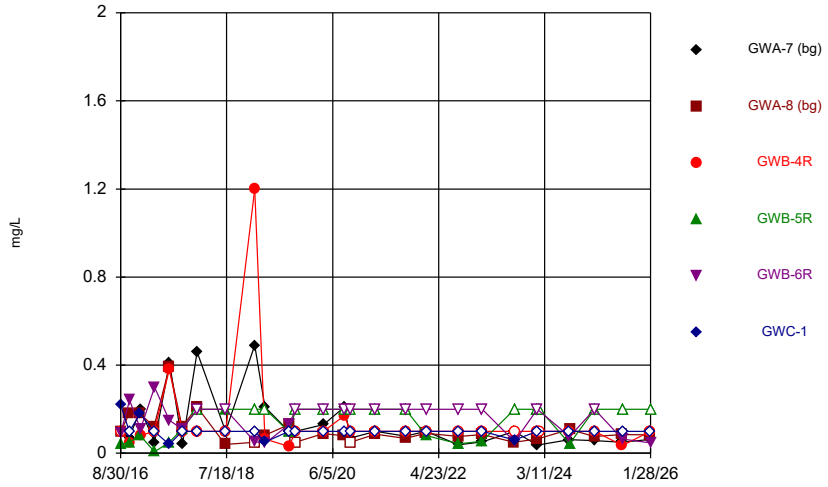
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

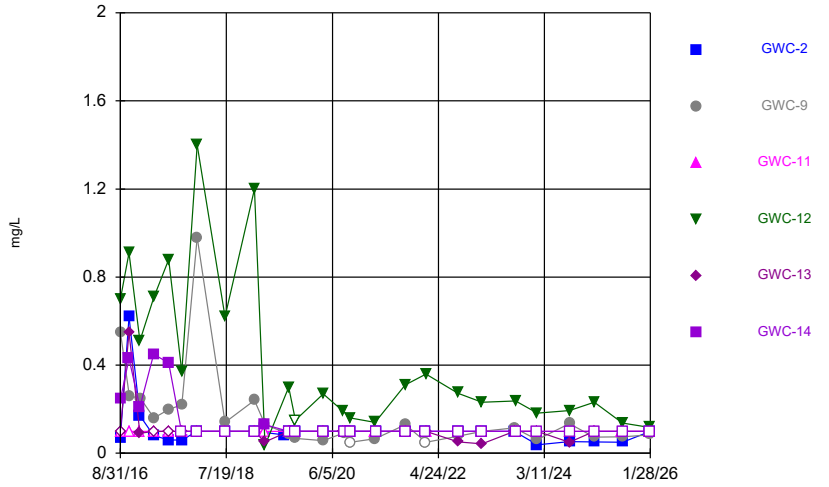
Time Series



Constituent: Fluoride Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

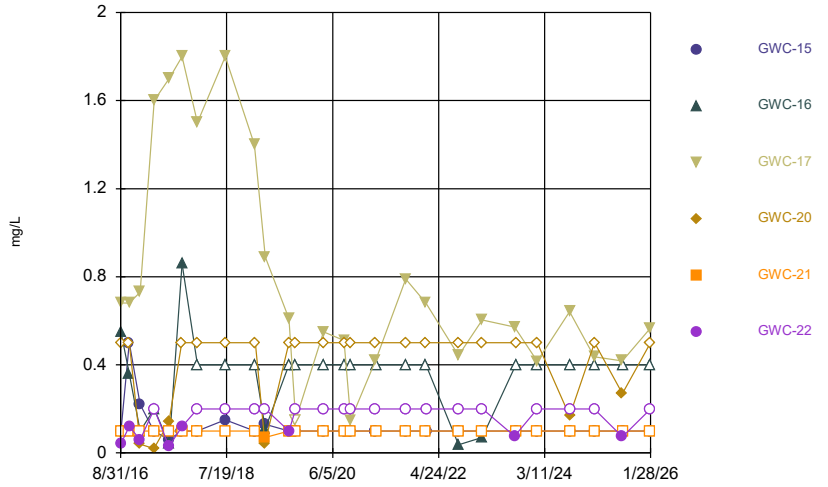
Time Series



Constituent: Fluoride Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

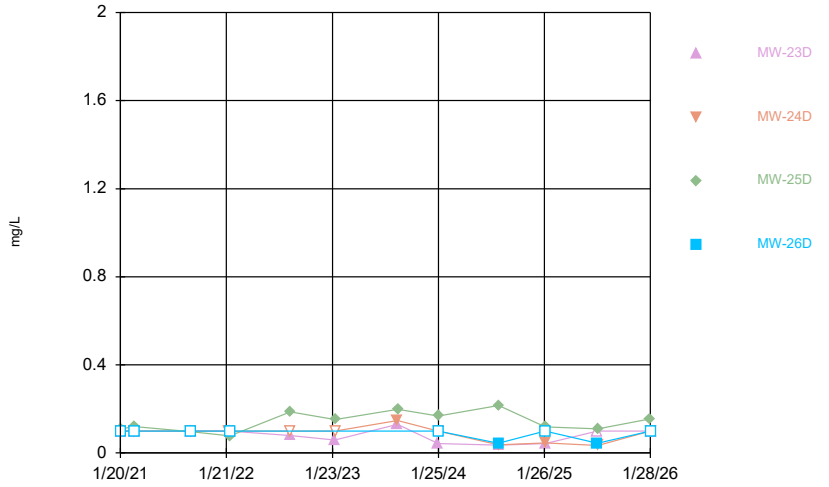
Time Series



Constituent: Fluoride Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

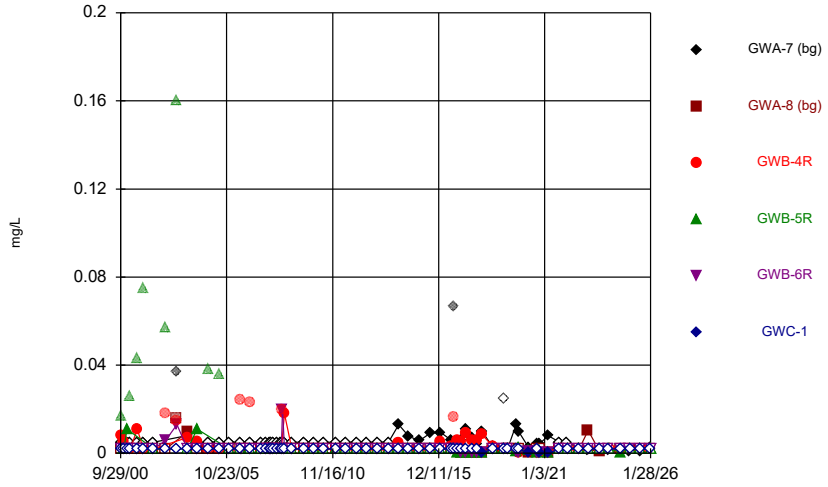
Time Series



Constituent: Fluoride Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

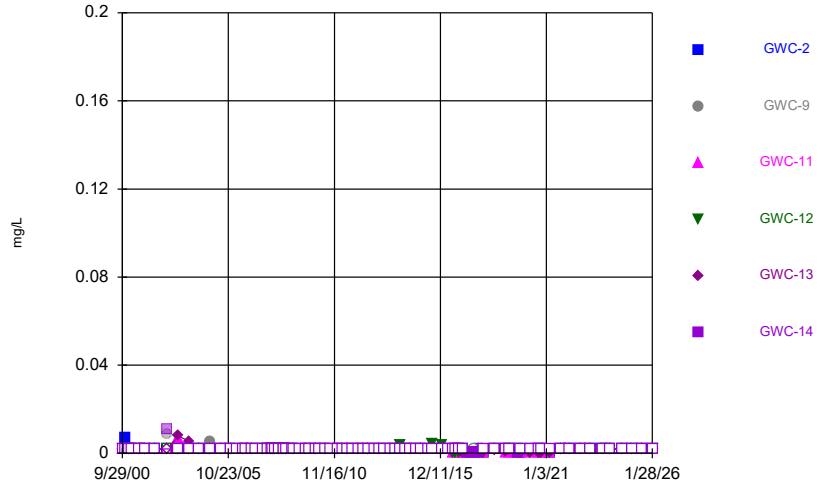
Time Series



Constituent: Lead Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

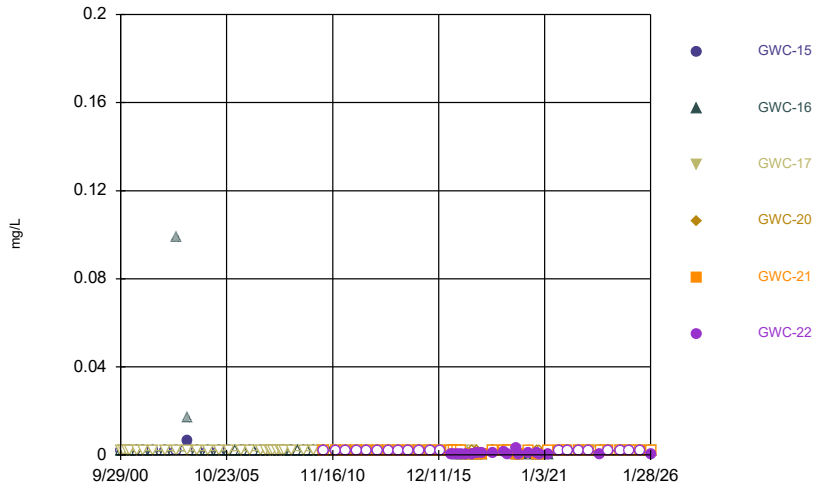
Time Series



Constituent: Lead Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

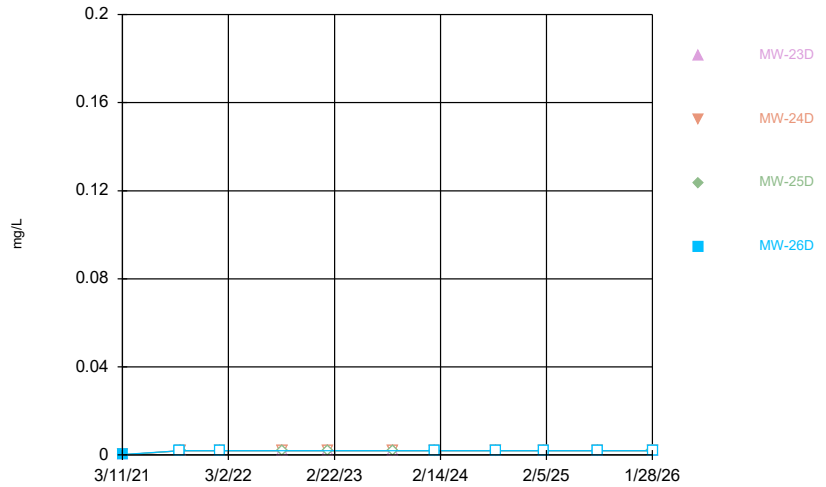
Time Series



Constituent: Lead Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

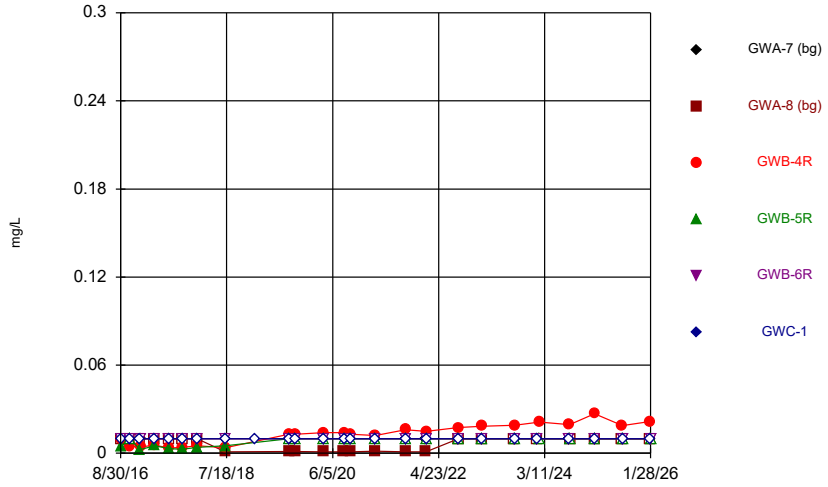
Time Series



Constituent: Lead Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

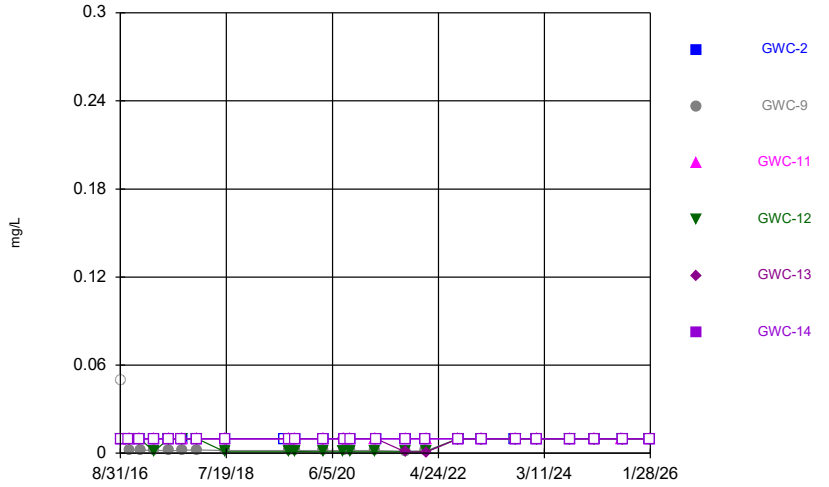
Time Series



Constituent: Lithium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

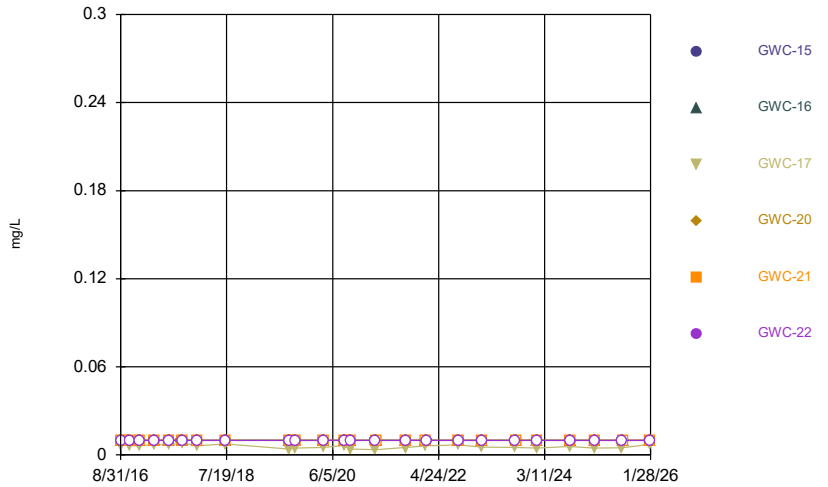
Time Series



Constituent: Lithium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

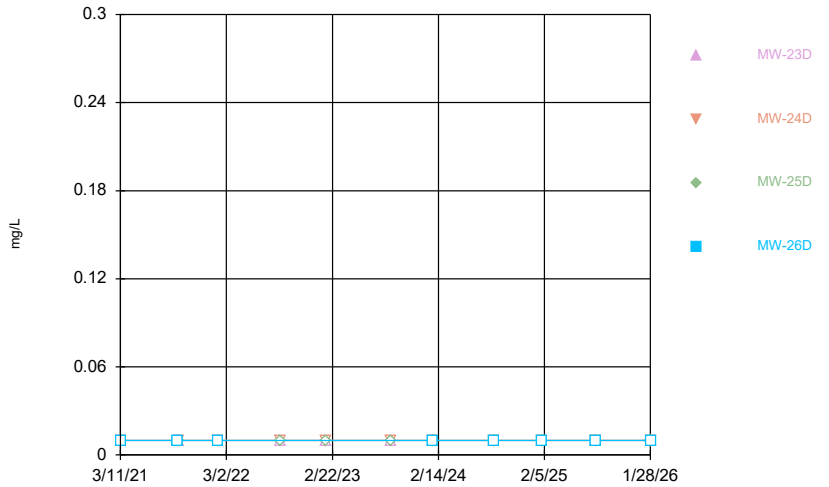
Time Series



Constituent: Lithium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

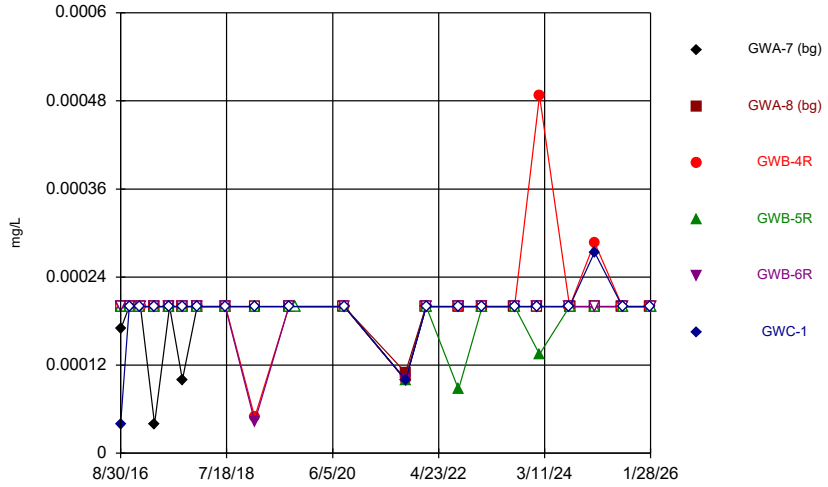
Time Series



Constituent: Lithium Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

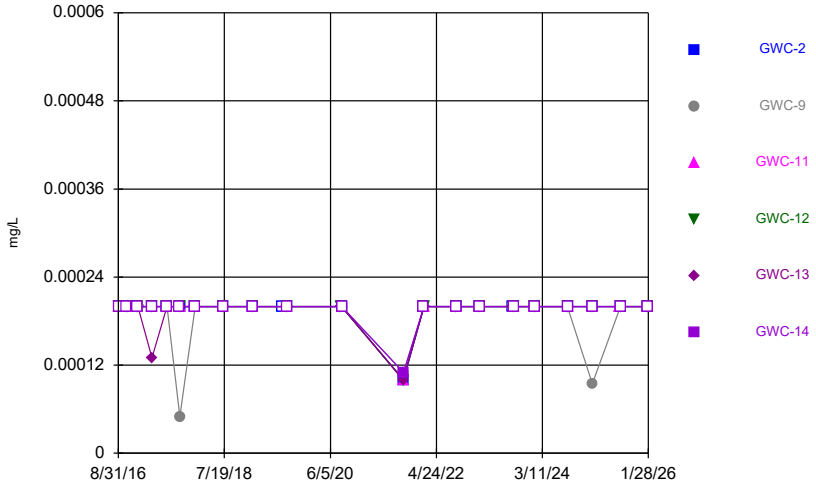
Time Series



Constituent: Mercury Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

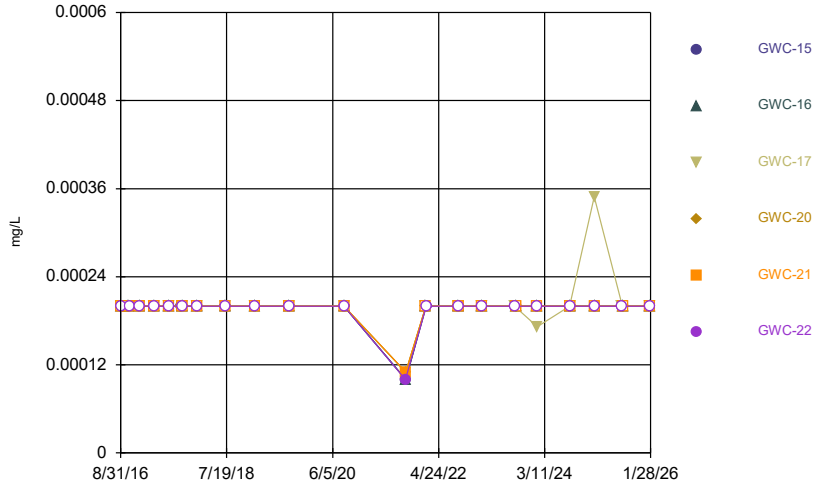
Time Series



Constituent: Mercury Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

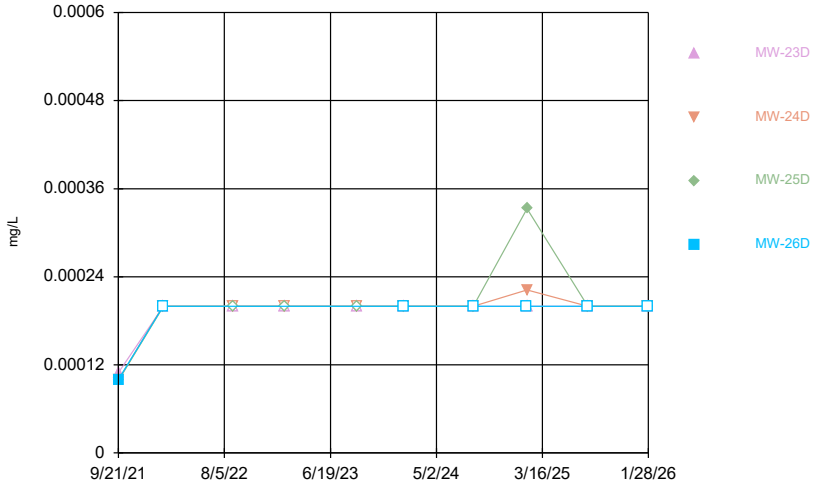
Time Series



Constituent: Mercury Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

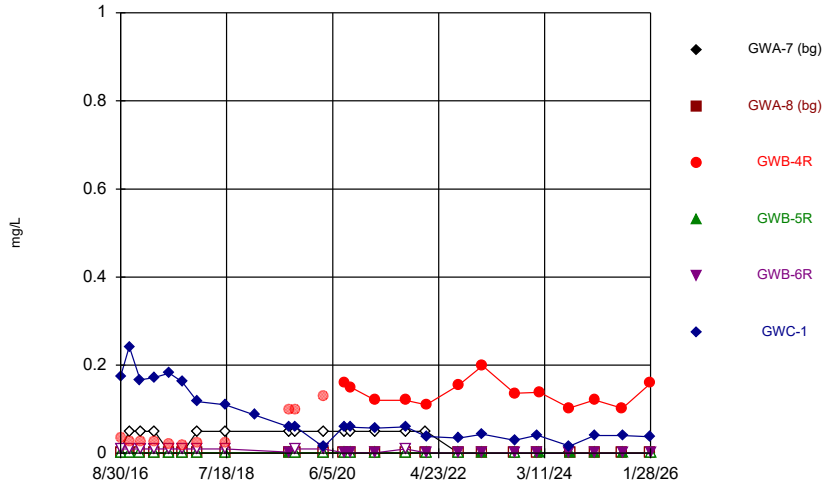
Time Series



Constituent: Mercury Analysis Run 4/1/2026 11:21 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

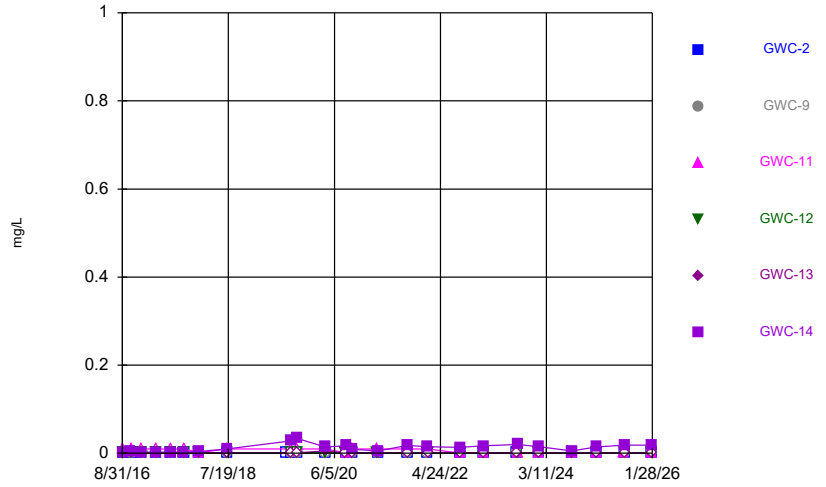
Time Series



Constituent: Molybdenum Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

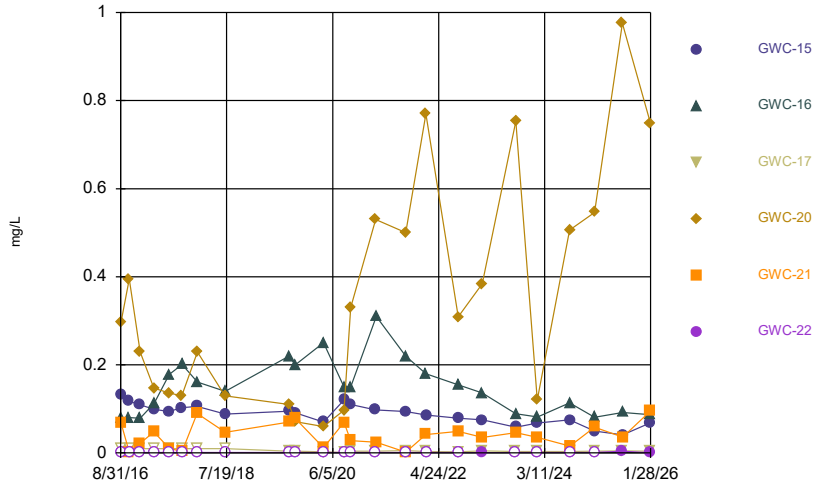
Time Series



Constituent: Molybdenum Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

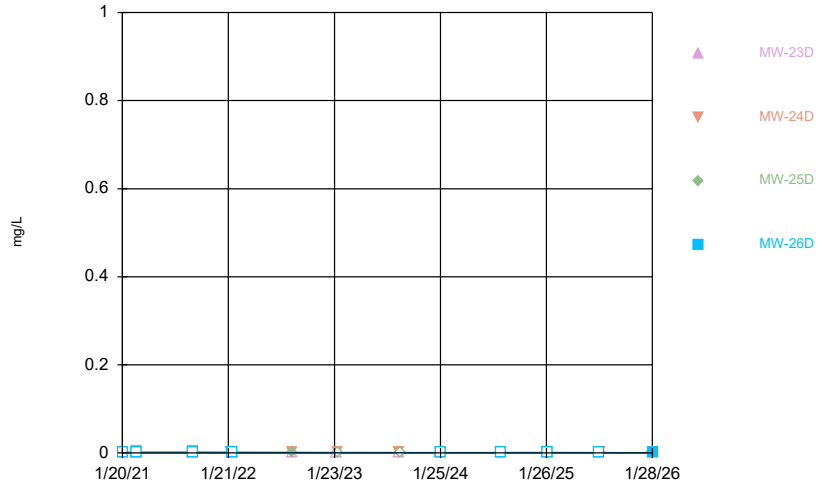
Time Series



Constituent: Molybdenum Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

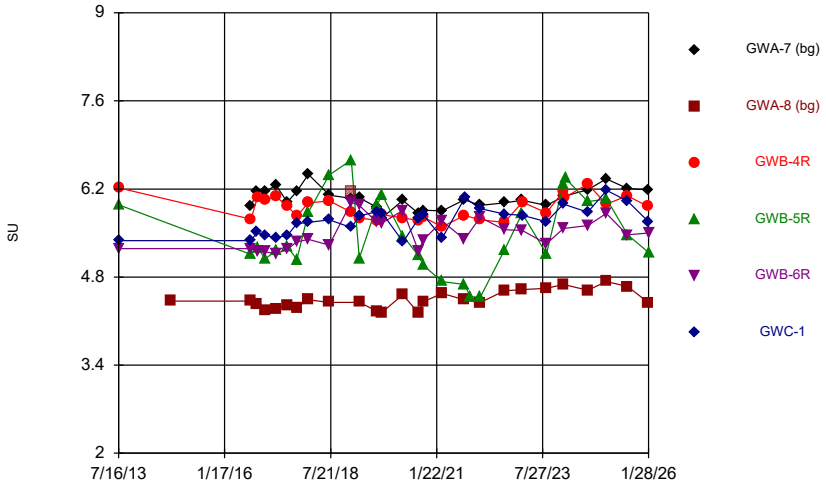
Time Series



Constituent: Molybdenum Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

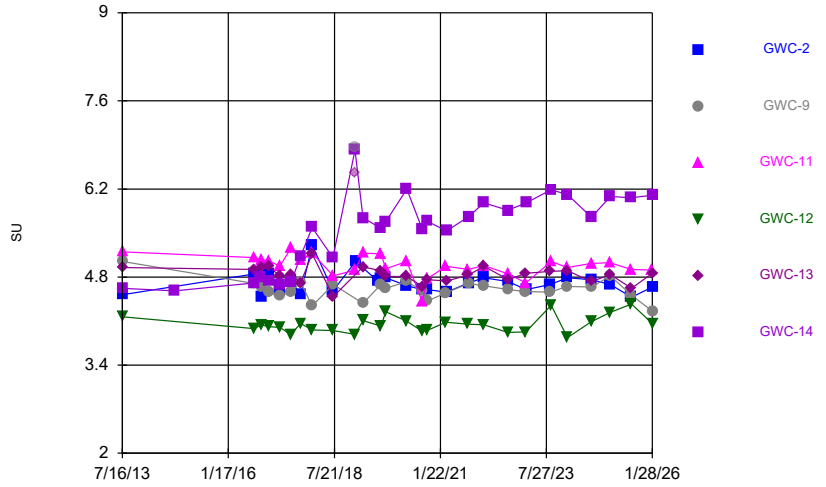


Constituent: pH, Field Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

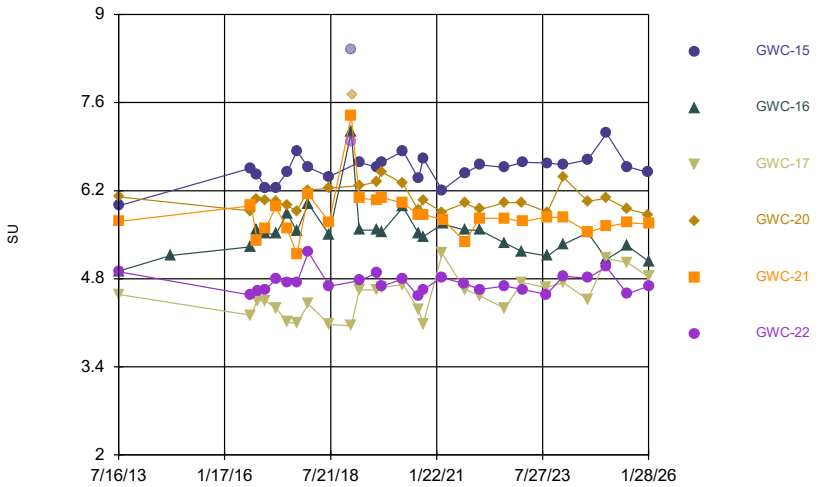


Constituent: pH, Field Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

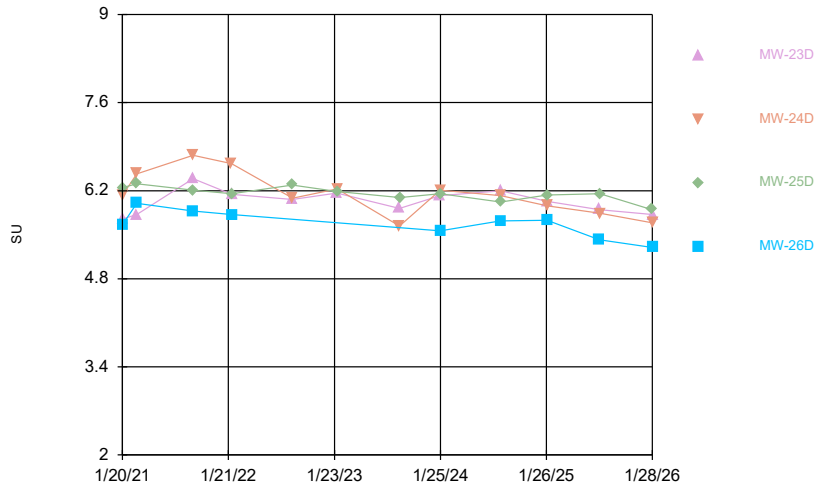


Constituent: pH, Field Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

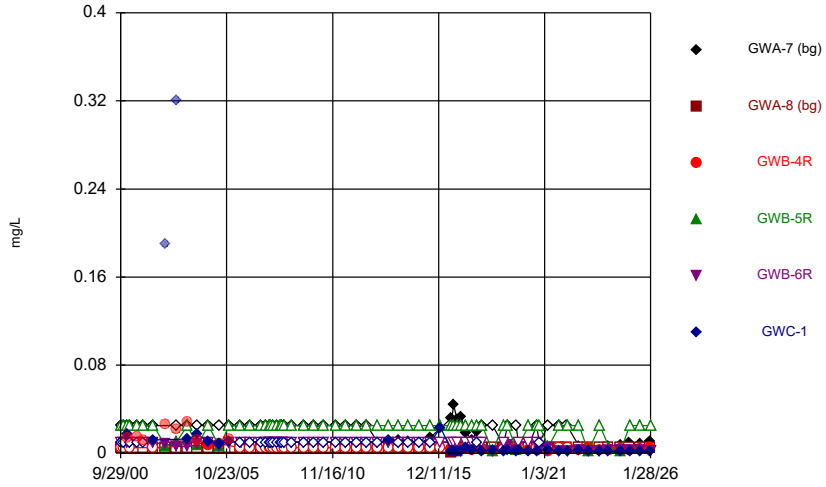


Constituent: pH, Field Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

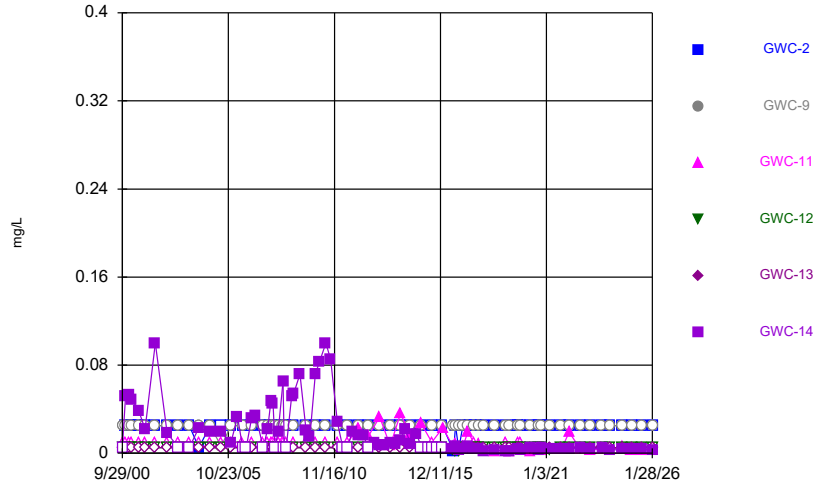
Time Series



Constituent: Selenium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

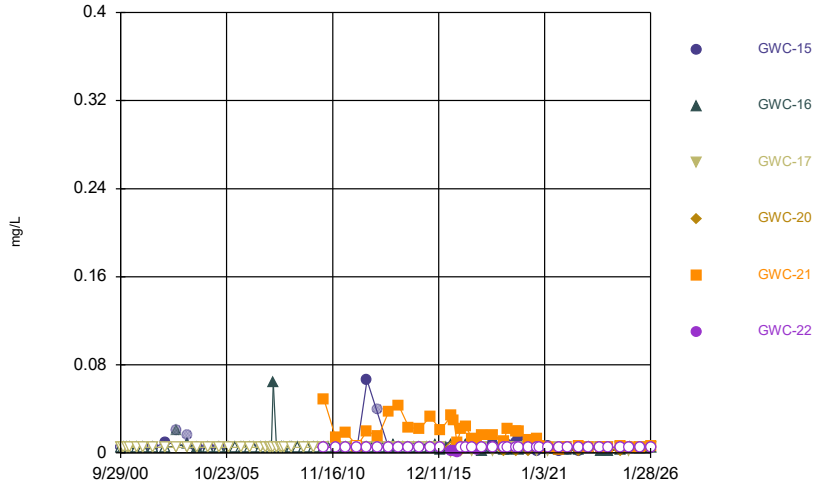
Time Series



Constituent: Selenium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

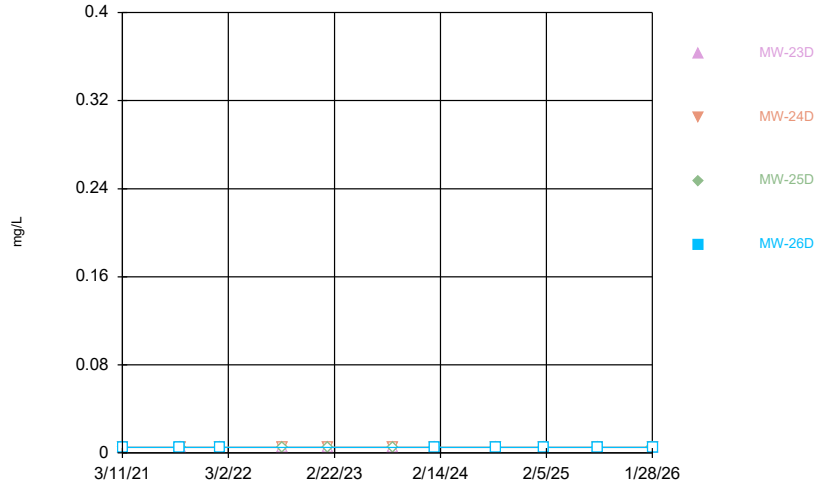
Time Series



Constituent: Selenium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

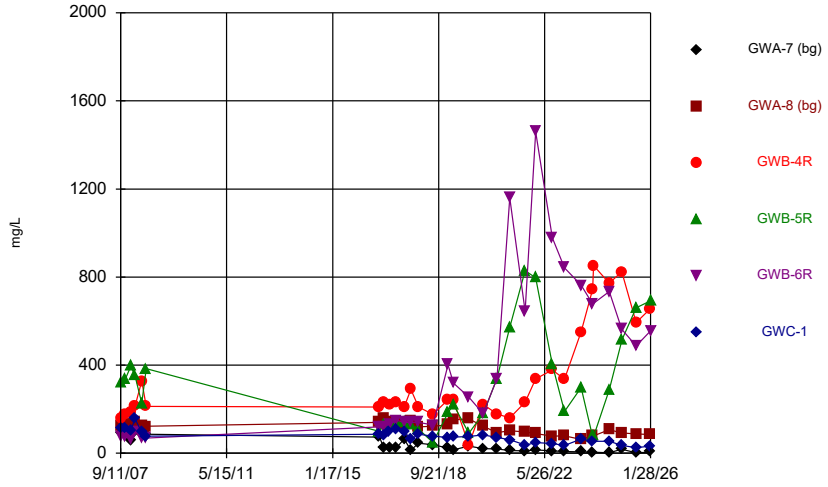
Time Series



Constituent: Selenium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

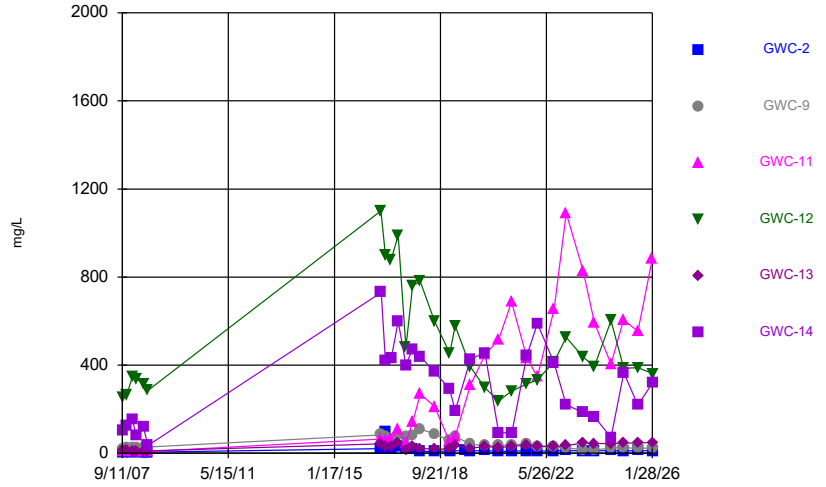


Constituent: Sulfate Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

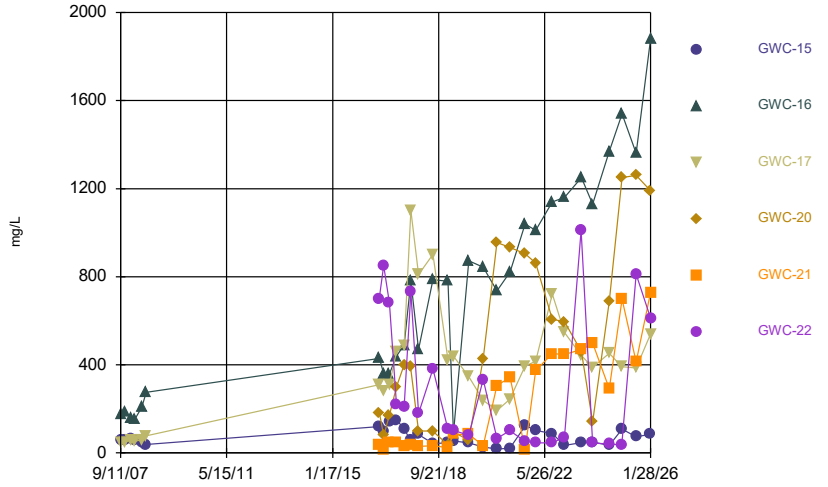


Constituent: Sulfate Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

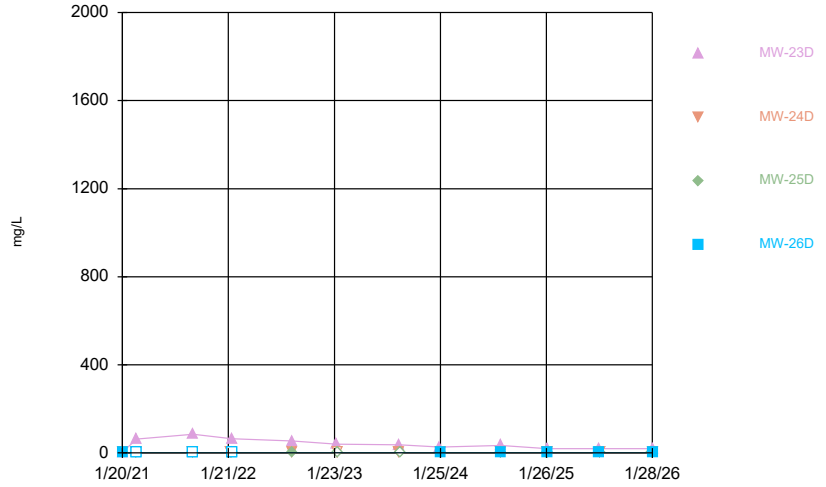


Constituent: Sulfate Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series

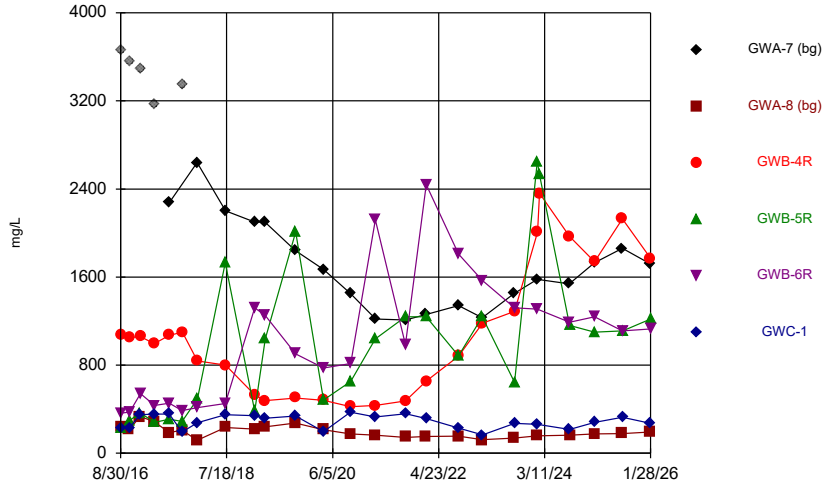


Constituent: Sulfate Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series



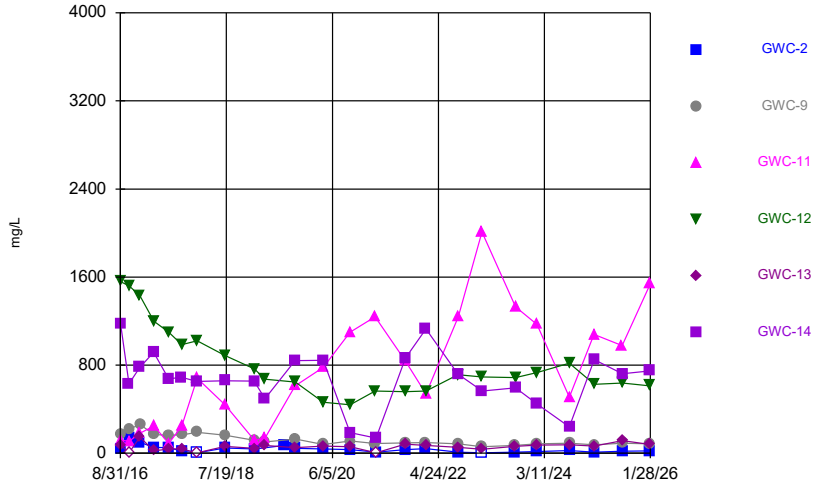
Constituent: TDS Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



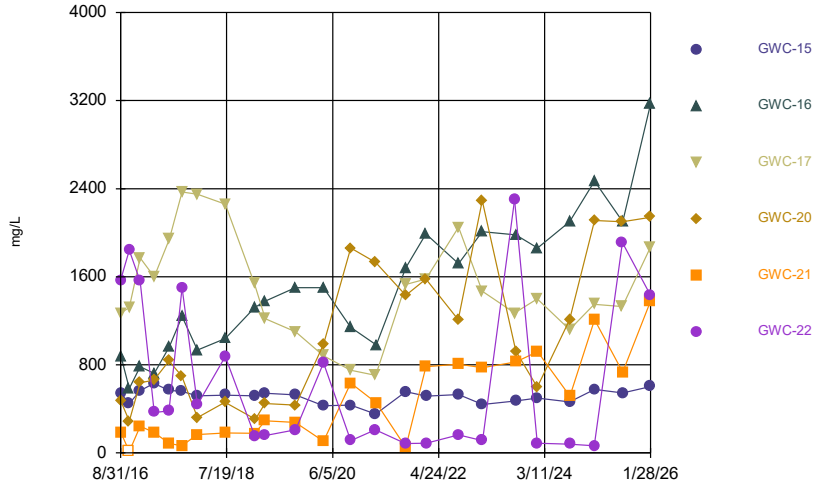
Constituent: TDS Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series

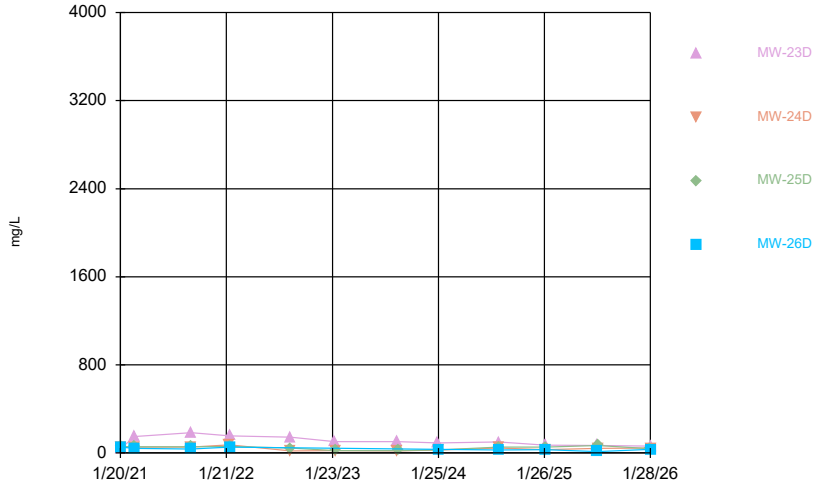


Constituent: TDS Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Time Series

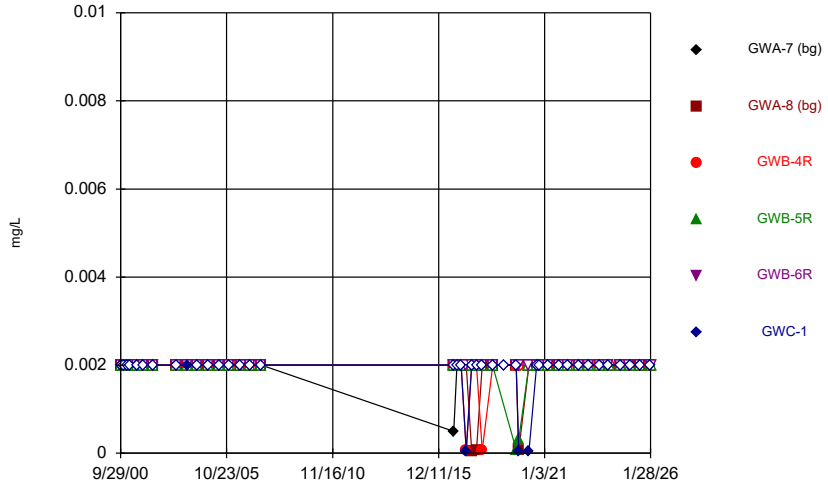


Constituent: TDS Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

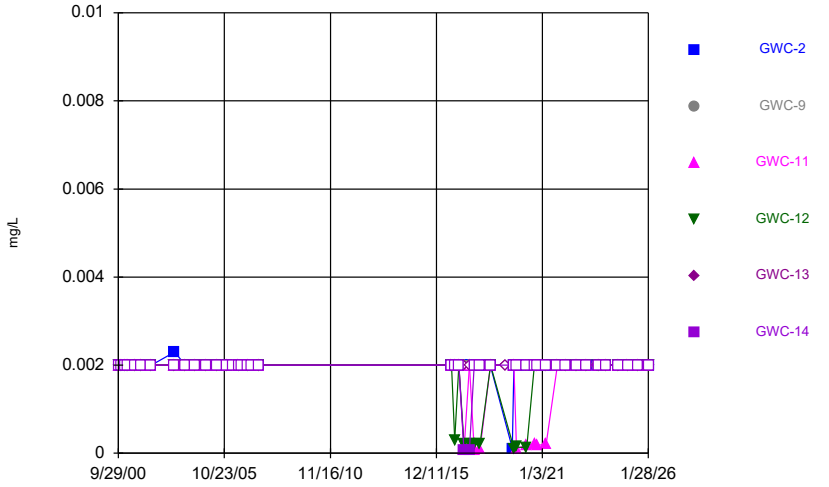
Time Series



Constituent: Thallium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

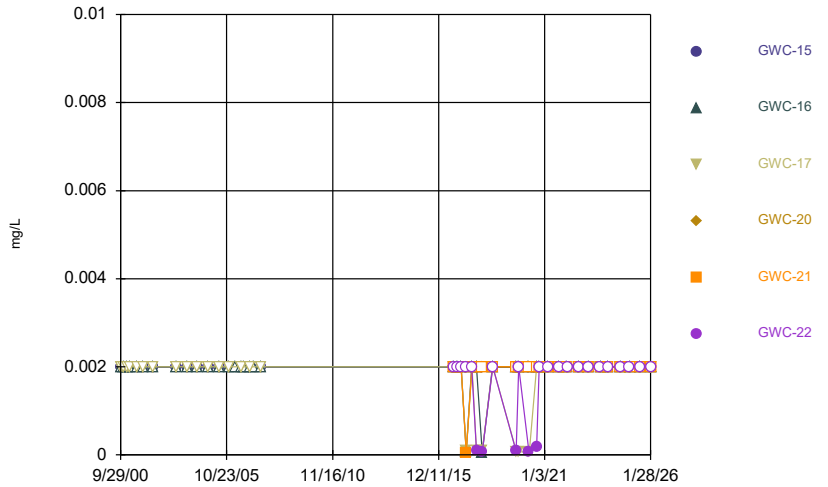
Time Series



Constituent: Thallium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

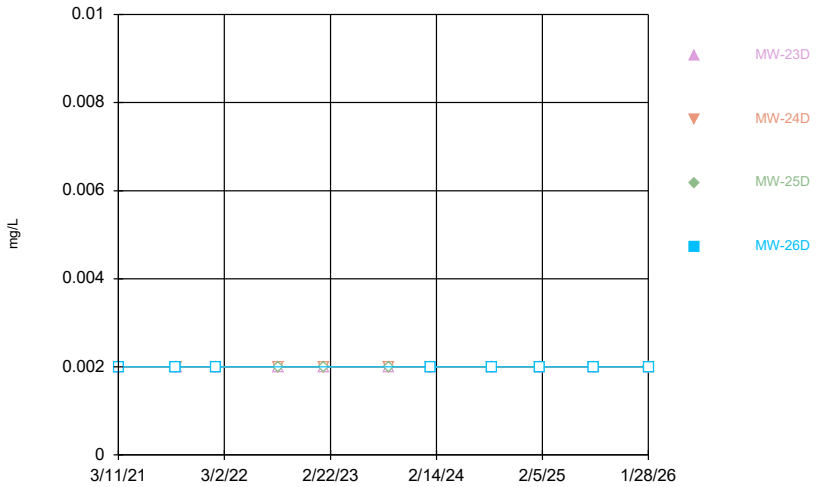
Time Series



Constituent: Thallium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

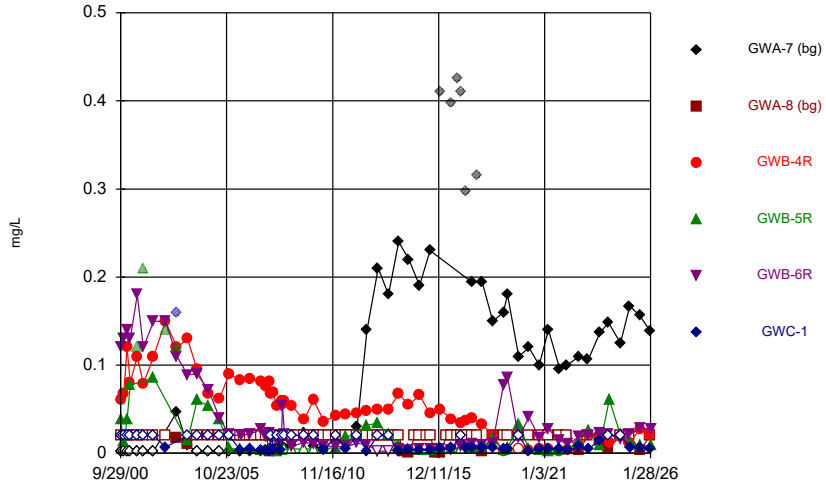
Time Series



Constituent: Thallium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

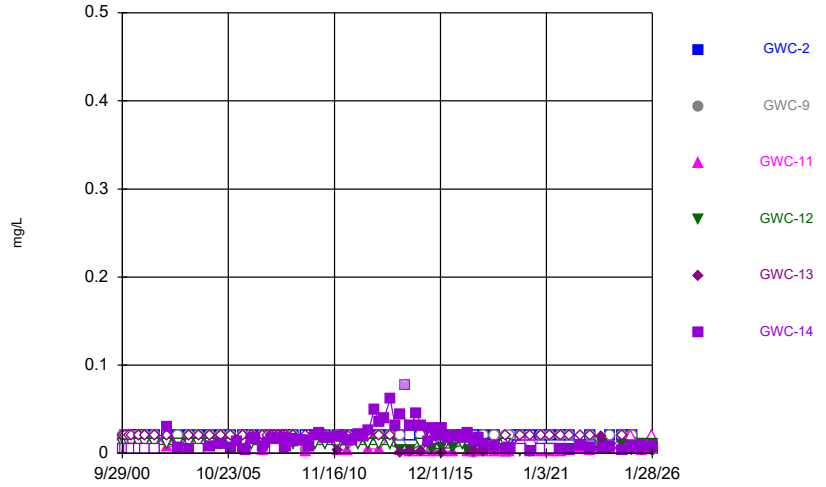
Time Series



Constituent: Vanadium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

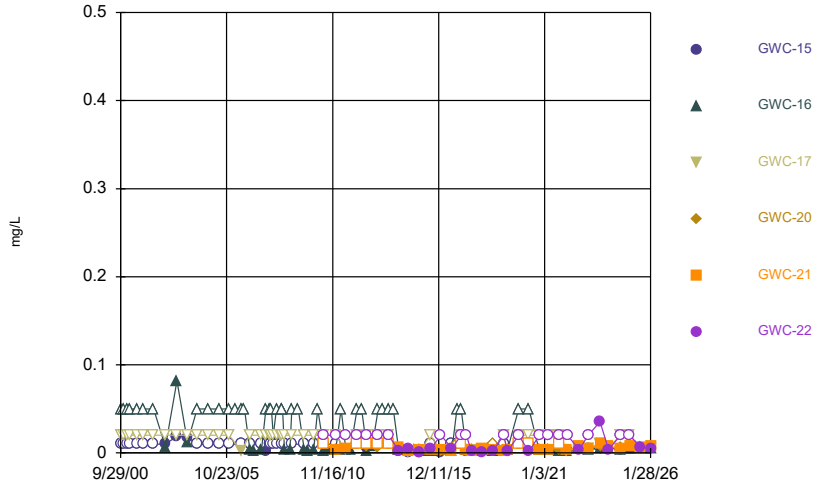
Time Series



Constituent: Vanadium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

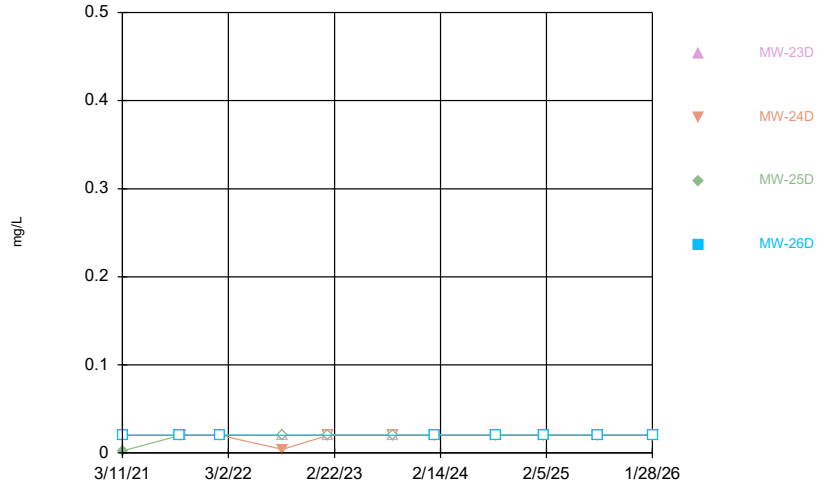
Time Series



Constituent: Vanadium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

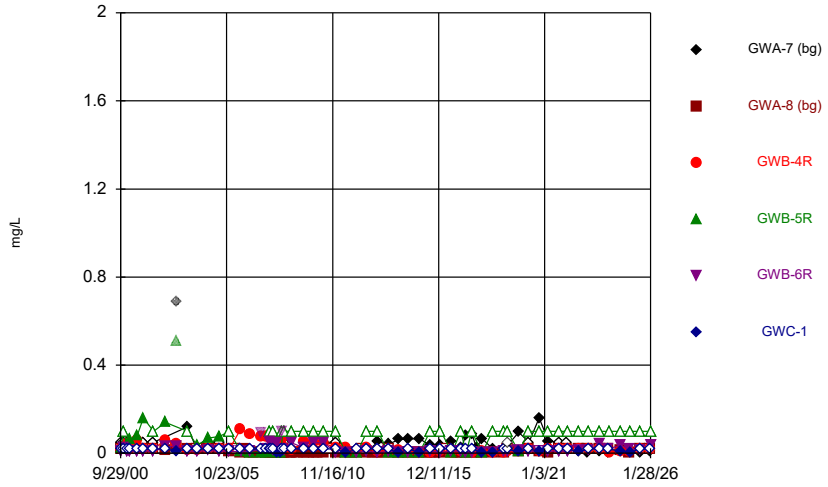
Time Series



Constituent: Vanadium Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

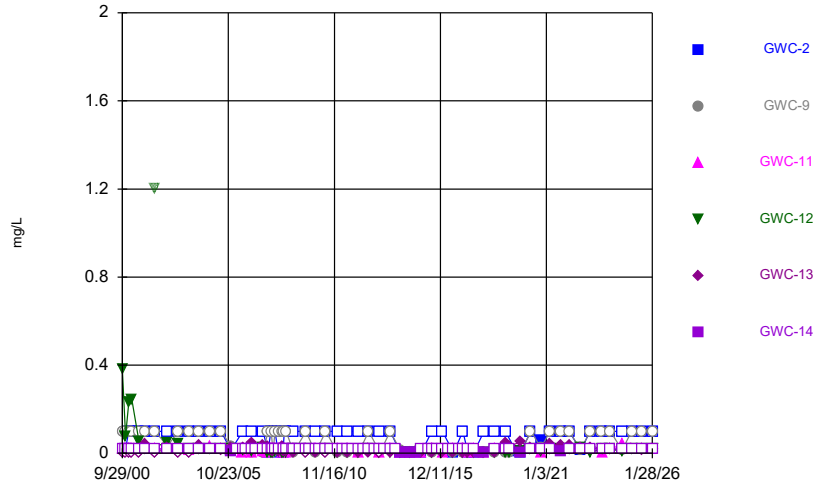
Time Series



Constituent: Zinc Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

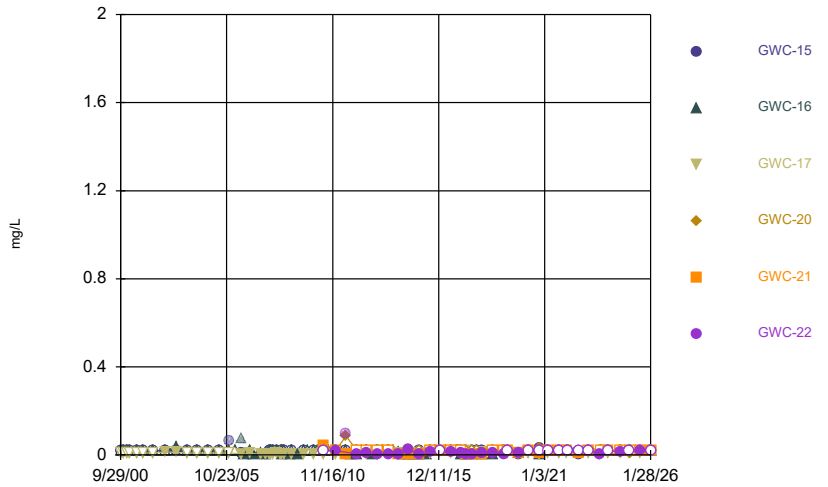
Time Series



Constituent: Zinc Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

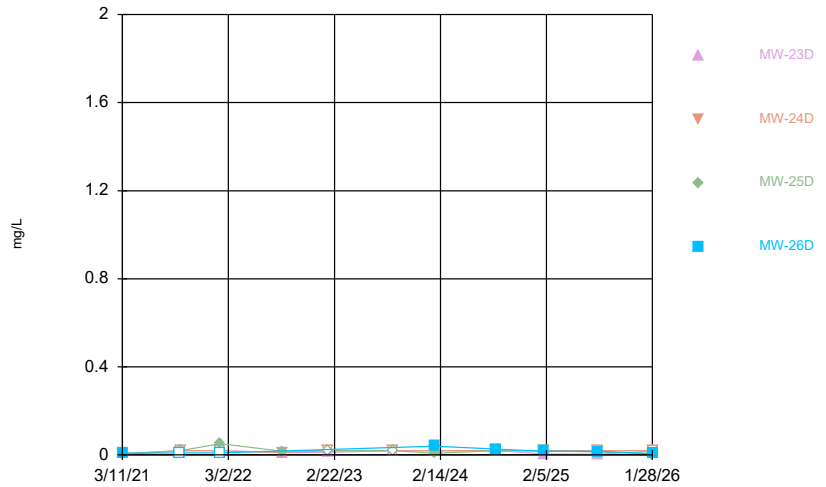
Time Series



Constituent: Zinc Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 4/1/2026 11:22 AM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/21/2000	<0.003		<0.003	<0.003	<0.003	<0.003
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2001	<0.003	<0.003				<0.003
11/2/2001			<0.003	<0.003	<0.003	
4/25/2002						<0.003
4/26/2002	<0.003	<0.003	<0.003	<0.003	<0.003	
11/20/2002			<0.003	<0.003	<0.003	<0.003
11/21/2002		<0.003				
6/6/2003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/12/2003	<0.003	<0.003	<0.003	<0.003	<0.003	
12/17/2003						<0.003
5/26/2004	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/8/2004	<0.003	<0.003				<0.003
12/10/2004			<0.003	<0.003	<0.003	
6/21/2005	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/3/2005	<0.003	<0.003				
12/4/2005						<0.003
12/5/2005			<0.003	<0.003	<0.003	
4/4/2006		<0.003				
6/27/2006	<0.003	<0.003	<0.003	<0.003		<0.003
6/29/2006					<0.003	
8/30/2006		<0.003				
12/3/2006	<0.003	<0.003				
12/4/2006			<0.003	<0.003	<0.003	<0.003
2/15/2007		<0.003				
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/11/2007		<0.003				
9/12/2007			<0.003	<0.003		<0.003
9/14/2007	<0.003				<0.003	
11/7/2007			<0.003	<0.003		<0.003
11/8/2007	<0.003	<0.003			<0.003	
12/11/2007	<0.003	<0.003			<0.003	
12/12/2007			<0.003	<0.003		<0.003
1/17/2008			<0.003	<0.003	<0.003	<0.003
1/18/2008	<0.003	<0.003				
3/11/2008		<0.003				
3/12/2008			<0.003			<0.003
3/13/2008	<0.003			<0.003	<0.003	
6/4/2008	<0.003	<0.003		<0.003		<0.003
6/5/2008			<0.003		<0.003	
6/23/2008	<0.003	<0.003				
6/24/2008			<0.003	<0.003	<0.003	<0.003
7/29/2008	<0.003	<0.003				
7/30/2008			<0.003	<0.003	<0.003	
7/31/2008						<0.003
11/3/2008		<0.003				
12/4/2008	<0.003	<0.003				
12/5/2008			<0.003	<0.003	<0.003	<0.003
3/25/2009		<0.003				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2009		<0.003				
12/20/2009	<0.003	<0.003				<0.003
12/21/2009			<0.003	<0.003	<0.003	
3/4/2010		<0.003				
6/20/2010	<0.003	<0.003		<0.003	<0.003	<0.003
6/21/2010			<0.003			
9/14/2010		<0.003				
1/6/2011				<0.003		<0.003
1/7/2011	<0.003	<0.003	<0.003		<0.003	
4/15/2011		<0.003				
7/7/2011	<0.003	<0.003		<0.003	<0.003	<0.003
7/8/2011			<0.003			
9/25/2011		<0.003				
1/17/2012	<0.003	<0.003		<0.003		<0.003
1/18/2012			<0.003		<0.003	
4/4/2012		<0.003				
7/9/2012	<0.003			<0.003		<0.003
7/10/2012		<0.003	<0.003		<0.003	
10/9/2012		<0.003				
1/17/2013				<0.003		<0.003
1/18/2013	<0.003	<0.003	<0.003		<0.003	
4/5/2013		<0.003				
7/16/2013				<0.003		<0.003
7/17/2013	<0.003	<0.003	<0.003		<0.003	
10/11/2013		<0.003				
1/13/2014	<0.003			<0.003		<0.003
1/14/2014		<0.003	<0.003		<0.003	
4/3/2014		<0.003				
7/9/2014	0.0022 (J)	<0.003	0.002 (J)	<0.003	<0.003	<0.003
10/24/2014		<0.003				
1/12/2015			<0.003			
1/13/2015	<0.003			<0.003		<0.003
1/14/2015		<0.003			<0.003	
5/10/2015		<0.003				
7/16/2015	0.0028 (J)		0.0021 (J)	<0.003		<0.003
7/17/2015		<0.003			<0.003	
10/6/2015		<0.003				
1/17/2016						<0.003
1/18/2016	<0.003	<0.003	<0.003	<0.003	<0.003	
4/26/2016		<0.003				
7/27/2016	<0.003			<0.003		<0.003
7/28/2016		<0.003			<0.003	
7/29/2016			0.0003 (J)			
8/30/2016		<0.003		<0.003	<0.003	<0.003
9/1/2016	0.0017 (J)		<0.003			
10/24/2016		<0.003				
10/25/2016	<0.003					<0.003
10/26/2016			<0.003	<0.003	<0.003	
1/3/2017		<0.003		<0.003		
1/4/2017						<0.003
1/5/2017					<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0009 (J)		<0.003			
4/3/2017		<0.003				
4/4/2017			<0.003			<0.003
4/6/2017	<0.003			<0.003	<0.003	
7/11/2017		<0.003				
7/12/2017			<0.003	<0.003	<0.003	<0.003
7/13/2017	0.0013 (J)					
10/2/2017		<0.003				
10/3/2017				<0.003	<0.003	<0.003
10/4/2017	0.0008 (J)		<0.003			
1/9/2018	<0.003	<0.003			<0.003	
1/10/2018				<0.003		<0.003
1/11/2018			<0.003			
7/9/2018		<0.003				
7/10/2018				<0.003	<0.003	<0.003
7/11/2018	<0.003		<0.003			
1/16/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/25/2019	<0.003	<0.003	<0.003			
3/26/2019				<0.003	<0.003	<0.003
8/26/2019	<0.003	<0.003				
8/27/2019			<0.003		<0.003	<0.003
8/28/2019				0.00054 (J)		
10/7/2019		<0.003				
10/8/2019	<0.003					
10/9/2019			<0.003	<0.003	<0.003	<0.003
4/6/2020	<0.003	<0.003				
4/7/2020			<0.003	<0.003	<0.003	<0.003
8/17/2020		<0.003				
8/19/2020	<0.003		<0.003	<0.003	<0.003	0.00061 (J)
9/28/2020	<0.003	<0.003				0.00035 (J)
9/30/2020				0.0003 (J)	0.00059 (J)	
10/1/2020			<0.003			
3/10/2021			<0.003	<0.003	0.00029 (J)	0.00069 (J)
3/11/2021	<0.003					
3/12/2021		<0.003				
9/21/2021	<0.003	<0.003	<0.003	0.0013 (J)	<0.003	
9/23/2021						0.0016 (J)
1/31/2022	<0.003	<0.003				
2/2/2022			<0.003		<0.003	
2/3/2022				<0.003		<0.003
8/30/2022	<0.003	<0.003	<0.003	<0.003	<0.003	
9/1/2022						<0.003
1/31/2023	<0.003	<0.003				
2/1/2023				<0.003	<0.003	
2/2/2023			<0.003			<0.003
8/28/2023	<0.003	<0.003				
8/29/2023			<0.003	<0.003	<0.003	<0.003
1/23/2024	<0.003	<0.003			<0.003	<0.003
2/7/2024			<0.003			
2/8/2024				<0.003		
8/19/2024	<0.003					
8/20/2024			<0.003		<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.003		<0.003		
1/27/2025		<0.003				
1/28/2025	<0.003		<0.003		<0.003	
1/29/2025				<0.003		<0.003
7/28/2025	<0.003	<0.003	<0.003			
7/29/2025					<0.003	<0.003
7/30/2025				<0.003		
1/27/2026	<0.003	<0.003	<0.003			<0.003
1/28/2026				<0.003	<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.003	<0.003	<0.003	<0.003	<0.003
11/21/2000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2001	<0.003		<0.003	<0.003	<0.003	<0.003
11/2/2001		<0.003				
4/25/2002	<0.003					<0.003
4/26/2002		<0.003	<0.003	<0.003	<0.003	
11/21/2002		<0.003	<0.003			<0.003
11/22/2002	<0.003			<0.003	<0.003	
6/6/2003	<0.003					<0.003
6/7/2003		<0.003	<0.003	<0.003	<0.003	
12/12/2003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
5/27/2004	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
12/8/2004	<0.003			<0.003		<0.003
12/9/2004		<0.003	<0.003		<0.003	
6/22/2005		<0.003	<0.003	<0.003	<0.003	
6/23/2005	<0.003					<0.003
12/3/2005	<0.003					<0.003
12/4/2005			<0.003			
12/5/2005		<0.003		<0.003	<0.003	
4/4/2006						<0.003
6/28/2006			<0.003			
6/29/2006	<0.003	<0.003		<0.003	<0.003	<0.003
8/30/2006						<0.003
12/3/2006		<0.003	<0.003	<0.003	<0.003	
12/4/2006	<0.003					<0.003
2/15/2007						<0.003
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/11/2007						<0.003
9/12/2007	<0.003					
9/13/2007		<0.003	<0.003	<0.003	<0.003	
11/6/2007	<0.003					<0.003
11/7/2007				<0.003	<0.003	
11/8/2007		<0.003	<0.003			
12/11/2007		<0.003	<0.003	<0.003	<0.003	
12/12/2007	<0.003					<0.003
1/15/2008			<0.003	<0.003	<0.003	
1/16/2008	<0.003	<0.003				<0.003
3/11/2008				<0.003	<0.003	<0.003
3/12/2008	<0.003	<0.003				
3/13/2008			<0.003			
6/3/2008			<0.003	<0.003	<0.003	
6/4/2008		<0.003				
6/5/2008	<0.003					<0.003
6/23/2008		<0.003	<0.003	<0.003	<0.003	
6/24/2008	<0.003					<0.003
7/29/2008		<0.003	<0.003			
7/30/2008				<0.003	<0.003	
7/31/2008	<0.003					<0.003
11/3/2008						<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/25/2009						<0.003
7/8/2009	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2009						<0.003
12/20/2009	<0.003					<0.003
12/21/2009		<0.003	<0.003	<0.003	<0.003	
3/4/2010						<0.003
6/20/2010	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2010						<0.003
1/6/2011	<0.003		<0.003		<0.003	
1/7/2011		<0.003		<0.003		<0.003
4/15/2011						<0.003
7/7/2011	<0.003		<0.003	<0.003	<0.003	<0.003
7/8/2011		<0.003				
9/25/2011						<0.003
1/17/2012	<0.003		<0.003	<0.003	<0.003	<0.003
1/18/2012		<0.003				
4/4/2012						<0.003
7/9/2012	<0.003		<0.003	<0.003	<0.003	<0.003
7/10/2012		<0.003				
10/9/2012						<0.003
1/17/2013	<0.003		<0.003	<0.003	<0.003	
1/18/2013		<0.003				<0.003
4/5/2013						<0.003
7/16/2013			<0.003	<0.003	<0.003	
7/17/2013	<0.003	<0.003				<0.003
10/11/2013						<0.003
1/13/2014	<0.003		<0.003	<0.003	<0.003	
1/14/2014		<0.003				<0.003
4/3/2014						<0.003
7/8/2014			<0.003	<0.003	<0.003	
7/9/2014	<0.003	<0.003				<0.003
10/24/2014						<0.003
1/13/2015	<0.003		<0.003	<0.003	<0.003	
1/14/2015		<0.003				<0.003
5/10/2015						<0.003
7/16/2015	<0.003		<0.003	<0.003	<0.003	
7/17/2015		<0.003				<0.003
10/6/2015						<0.003
1/17/2016	<0.003					<0.003
1/18/2016		<0.003		<0.003	<0.003	
1/19/2016			<0.003			
4/26/2016						<0.003
7/26/2016			0.0005 (J)		0.0006 (J)	
7/27/2016	<0.003			<0.003		<0.003
7/28/2016		<0.003				
8/31/2016	<0.003	<0.003	<0.003	<0.003	<0.003	
9/1/2016						<0.003
10/25/2016						<0.003
10/26/2016	<0.003		<0.003	<0.003	<0.003	
10/27/2016		0.0016 (J)				
1/4/2017			<0.003	<0.003		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.003				<0.003	<0.003
1/6/2017		<0.003				
4/4/2017	<0.003					<0.003
4/5/2017				<0.003		
4/6/2017		<0.003	0.0006 (J)		<0.003	
7/10/2017				<0.003		
7/11/2017			0.0009 (J)			<0.003
7/12/2017		<0.003			<0.003	
7/13/2017	<0.003					
10/2/2017						<0.003
10/3/2017	<0.003		<0.003			
10/4/2017		<0.003		<0.003	<0.003	
1/9/2018						<0.003
1/10/2018	<0.003				<0.003	
1/11/2018		<0.003	0.0007 (J)	<0.003		
7/9/2018						<0.003
7/10/2018	<0.003					
7/11/2018		<0.003	<0.003	<0.003	<0.003	
1/16/2019					<0.003	<0.003
1/17/2019			<0.003	<0.003		
1/18/2019		<0.003				
1/21/2019	<0.003					
3/26/2019					<0.003	<0.003
3/27/2019		<0.003	<0.003	<0.003		
7/30/2019	<0.003					
8/27/2019	<0.003		0.00033 (J)	<0.003	<0.003	<0.003
8/28/2019		<0.003				
10/8/2019			0.00046 (J)		<0.003	<0.003
10/9/2019	<0.003	<0.003		<0.003		
4/7/2020			0.00066 (J)	<0.003		<0.003
4/8/2020	0.0013 (J)	0.00033 (J)			<0.003	
8/17/2020				<0.003	<0.003	
8/18/2020	<0.003		0.00064 (J)			<0.003
8/19/2020		<0.003				
9/28/2020					<0.003	
9/29/2020	0.0016 (J)		0.00051 (J)	<0.003		<0.003
10/1/2020		<0.003				
3/10/2021		<0.003	0.00076 (J)	0.0003 (J)		
3/15/2021	<0.003				<0.003	
3/16/2021						<0.003
9/21/2021			<0.003	<0.003	<0.003	
9/22/2021	<0.003	<0.003				<0.003
2/2/2022	<0.003	<0.003				<0.003
2/3/2022			<0.003	<0.003	<0.003	
8/30/2022				<0.003		<0.003
8/31/2022			<0.003		<0.003	
9/1/2022	<0.003	<0.003				
2/1/2023		<0.003	<0.003	<0.003	<0.003	
2/2/2023	<0.003					<0.003
8/29/2023	<0.003	<0.003			<0.003	
9/6/2023			<0.003	<0.003		<0.003
1/24/2024		<0.003	<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.003			<0.003	<0.003	<0.003
8/21/2024	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1/28/2025			<0.003			
1/29/2025	<0.003	<0.003		<0.003	<0.003	<0.003
7/29/2025			<0.003			
7/30/2025	<0.003	<0.003		<0.003	<0.003	<0.003
1/27/2026			<0.003			
1/28/2026	<0.003	<0.003		<0.003	<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.003	<0.003	<0.003			
11/21/2000	<0.003	<0.003	<0.003			
1/20/2001	<0.003	<0.003	<0.003			
3/14/2001	<0.003	<0.003	<0.003			
7/16/2001	<0.003	<0.003	<0.003			
11/1/2001	<0.003	<0.003	<0.003			
4/25/2002	<0.003	<0.003	<0.003			
11/21/2002	<0.003	<0.003	<0.003			
6/6/2003	<0.003	<0.003	<0.003			
12/12/2003	<0.003	<0.003	<0.003			
5/26/2004	<0.003	<0.003				
5/27/2004			<0.003			
12/8/2004	<0.003	<0.003	<0.003			
6/21/2005		<0.003				
6/23/2005	<0.003		<0.003			
12/3/2005	<0.003					
12/4/2005		<0.003				
12/5/2005			<0.003			
4/4/2006		<0.003				
6/29/2006	<0.003	<0.003	<0.003			
8/30/2006		<0.003				
12/4/2006	<0.003	0.006	<0.003			
2/15/2007		<0.003				
6/23/2007	<0.003	<0.003	<0.003			
9/11/2007		<0.003				
9/12/2007	<0.003		<0.003			
11/6/2007	<0.003	<0.003	<0.003			
12/12/2007	<0.003	<0.003	<0.003			
1/16/2008	<0.003	<0.003	<0.003			
3/11/2008		<0.003				
3/12/2008	<0.003					
3/13/2008			<0.003			
6/4/2008			<0.003			
6/5/2008	<0.003	<0.003				
6/24/2008	<0.003	<0.003	<0.003			
7/31/2008	<0.003	<0.003	<0.003			
11/3/2008		<0.003				
12/5/2008	<0.003	<0.003	<0.003			
3/25/2009		<0.003				
7/8/2009	<0.003	<0.003	<0.003			
9/14/2009		<0.003				
12/20/2009	<0.003	<0.003				
12/21/2009			<0.003			
3/4/2010		<0.003				
6/20/2010	<0.003					
6/21/2010		<0.003	<0.003	<0.003	<0.003	<0.003
9/14/2010		<0.003				
1/7/2011	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
4/15/2011		<0.003				
7/7/2011	<0.003	<0.003				
7/8/2011			<0.003	<0.003	<0.003	<0.003
9/25/2011		<0.003				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.003					
1/18/2012		<0.003	<0.003	<0.003	<0.003	<0.003
4/4/2012		<0.003				
7/9/2012	<0.003					
7/10/2012		<0.003	<0.003	<0.003	<0.003	<0.003
10/9/2012		<0.003				
1/18/2013	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
4/5/2013		<0.003				
7/17/2013	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
10/11/2013		<0.003				
1/13/2014	<0.003					
1/14/2014		<0.003	<0.003	<0.003	<0.003	<0.003
4/3/2014		<0.003				
7/9/2014	<0.003	<0.003	<0.003		<0.003	
7/10/2014				<0.003		<0.003
10/24/2014		<0.003				
1/12/2015				<0.003		
1/13/2015	<0.003					
1/14/2015		<0.003	<0.003		<0.003	<0.003
5/11/2015		<0.003				
7/16/2015	<0.003	<0.003				
7/17/2015					<0.003	
7/18/2015			<0.003	<0.003		<0.003
10/6/2015		<0.003				
1/17/2016	<0.003	<0.003		<0.003	<0.003	
1/18/2016			<0.003			<0.003
4/26/2016		<0.003				
7/27/2016	<0.003					
7/28/2016		<0.003		0.0019 (J)	<0.003	
7/29/2016			<0.003			<0.003
8/31/2016						<0.003
9/1/2016	<0.003	<0.003	<0.003	<0.003	<0.003	
10/25/2016	<0.003	<0.003		<0.003	<0.003	
10/26/2016			<0.003			<0.003
1/4/2017		<0.003		<0.003	<0.003	<0.003
1/5/2017	<0.003		<0.003			
4/3/2017	<0.003					
4/4/2017				<0.003	<0.003	
4/5/2017		<0.003	<0.003			
4/6/2017						<0.003
7/11/2017	<0.003			<0.003		<0.003
7/12/2017		<0.003				
7/13/2017			<0.003		<0.003	
10/2/2017	<0.003			<0.003		
10/3/2017		<0.003			<0.003	
10/4/2017			<0.003			<0.003
1/9/2018	<0.003				<0.003	
1/10/2018		<0.003		<0.003		
1/11/2018			<0.003			<0.003
7/9/2018				<0.003		
7/10/2018	<0.003	<0.003			<0.003	
7/11/2018			<0.003			<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.003			
1/17/2019	<0.003	<0.003			<0.003	
1/18/2019						<0.003
1/21/2019				<0.003		
3/25/2019				<0.003		
3/26/2019	<0.003	<0.003	<0.003		<0.003	
3/27/2019						<0.003
8/27/2019	<0.003					0.00045 (J)
8/28/2019		<0.003	<0.003	<0.003	<0.003	
10/8/2019	<0.003	<0.003			<0.003	
10/9/2019			<0.003	<0.003		<0.003
4/7/2020	<0.003	<0.003			<0.003	0.00049 (J)
4/8/2020			<0.003	<0.003		
8/18/2020	<0.003	<0.003	<0.003	<0.003	<0.003	0.0022 (J)
9/30/2020	<0.003	<0.003	<0.003	<0.003	0.00033 (J)	0.0016 (J)
3/10/2021						0.0004 (J)
3/11/2021			0.00039 (J)			
3/12/2021	0.0018 (J)			0.00065 (J)		
3/16/2021		<0.003			<0.003	
9/21/2021						<0.003
9/22/2021		<0.003	0.0014 (J)	<0.003	<0.003	
9/23/2021	<0.003					
2/1/2022		<0.003	<0.003	<0.003	<0.003	
2/3/2022	<0.003					<0.003
8/30/2022				<0.003	<0.003	
8/31/2022	<0.003		<0.003			<0.003
9/1/2022		<0.003				
2/1/2023		<0.003	0.00286 (J)	<0.003		
2/2/2023	<0.003				<0.003	<0.003
8/29/2023			<0.003			<0.003
9/6/2023		<0.003		<0.003	<0.003	
9/7/2023	<0.003					
1/23/2024						<0.003
1/24/2024	<0.003		0.00245 (J)	<0.003		
1/25/2024		<0.003			<0.003	
8/21/2024	<0.003	<0.003	<0.003	<0.003		<0.003
8/22/2024					<0.003	
1/28/2025			0.00115 (J)			<0.003
1/29/2025	<0.003	<0.003		<0.003	<0.003	
7/29/2025			<0.003	<0.003		<0.003
7/30/2025	<0.003	<0.003			<0.003	
1/27/2026	<0.003			<0.003		
1/28/2026		<0.003	<0.003		<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.003	<0.003	<0.003	<0.003
9/21/2021				<0.003
9/22/2021	<0.003	<0.003		
9/23/2021			<0.003	
2/1/2022		<0.003		
2/2/2022				<0.003
2/3/2022	<0.003		<0.003	
8/31/2022	<0.003		<0.003	
9/1/2022		<0.003		
2/1/2023	<0.003			
2/2/2023		<0.003	<0.003	
9/6/2023	<0.003	<0.003		
9/7/2023			<0.003	
1/24/2024	<0.003			
1/25/2024		<0.003	<0.003	<0.003
8/20/2024				<0.003
8/21/2024	<0.003	<0.003	<0.003	
1/28/2025				<0.003
1/29/2025	<0.003	<0.003	<0.003	
7/29/2025	<0.003			<0.003
7/30/2025		<0.003	<0.003	
1/27/2026			<0.003	
1/28/2026	<0.003	<0.003		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.025	<0.005	<0.005	<0.025	<0.025	<0.005
11/21/2000	<0.025		<0.005	<0.025	<0.025	<0.005
1/20/2001	<0.025	<0.005	0.01	<0.025	0.014	<0.005
3/14/2001	<0.025	<0.005	<0.005	<0.025	<0.025	<0.005
7/16/2001	<0.025	<0.005	<0.005	0.014	<0.025	<0.005
11/1/2001	<0.025	<0.005				<0.005
11/2/2001			<0.005	0.023	<0.025	
4/25/2002						<0.005
4/26/2002	<0.025	<0.005	<0.005	<0.025	<0.025	
11/20/2002			0.0096	0.022	0.014	<0.005
11/21/2002		<0.005				
6/6/2003	0.02	<0.005	0.0076	0.07	0.014	0.03
12/12/2003	<0.025	<0.005	0.0058	<0.025	<0.025	
12/17/2003						<0.005
5/26/2004	<0.025	<0.005	0.0068	0.0074	0.0082	<0.005
12/8/2004	<0.025	<0.005				<0.005
12/10/2004			0.0066	0.017	0.0062	
6/21/2005	<0.025	<0.005	<0.005	0.013	<0.025	<0.005
12/3/2005	<0.025	<0.005				
12/4/2005						<0.005
12/5/2005			<0.005	<0.025	<0.025	
4/4/2006		<0.005				
6/27/2006	<0.025	<0.005	<0.005	<0.025		<0.005
6/29/2006					<0.025	
8/30/2006		<0.005				
12/3/2006	<0.025	<0.005				
12/4/2006			<0.005	<0.025	<0.025	<0.005
2/15/2007		<0.005				
6/23/2007	<0.025	<0.005	<0.005	<0.025	0.0053	<0.005
9/11/2007		<0.005				
9/12/2007			0.007	<0.025		<0.005
9/14/2007	<0.025				0.0076	
11/7/2007			0.0058	<0.025		<0.005
11/8/2007	<0.025	<0.005			0.0087	
12/11/2007	<0.025	<0.005			0.0057	
12/12/2007			<0.005	<0.025		<0.005
1/17/2008			<0.005	<0.025	<0.025	<0.005
1/18/2008	<0.025	<0.005				
3/11/2008		<0.005				
3/12/2008			0.0062			<0.005
3/13/2008	<0.025			<0.025	0.0057	
6/4/2008	<0.025	<0.005		<0.025		<0.005
6/5/2008			<0.005		<0.025	
6/23/2008	<0.025	<0.005				
6/24/2008			0.005	<0.025	0.012	<0.005
7/29/2008	<0.025	<0.005				
7/30/2008			<0.005	<0.025	<0.025	
7/31/2008						<0.005
11/3/2008		<0.005				
12/4/2008	<0.025	<0.005				
12/5/2008			<0.005	<0.025	0.0064	<0.005
3/25/2009		<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.025	<0.005	<0.005	<0.025	<0.025	<0.005
9/14/2009		<0.005				
12/20/2009	<0.025	<0.005				<0.005
12/21/2009			<0.005	<0.025	<0.025	
3/4/2010		<0.005				
6/20/2010	<0.025	<0.005		<0.025	0.017	<0.005
6/21/2010			0.018			
9/14/2010		<0.005				
1/6/2011				<0.025		<0.005
1/7/2011	<0.025	<0.005	<0.005		<0.025	
4/15/2011		<0.005				
7/7/2011	<0.025	<0.005		<0.025	<0.025	<0.005
7/8/2011			<0.005			
9/25/2011		<0.005				
1/17/2012	<0.025	<0.005		<0.025		0.0071
1/18/2012			<0.005		<0.025	
4/4/2012		<0.005				
7/9/2012	0.0052			<0.025		0.0076
7/10/2012		<0.005	0.0052		<0.025	
10/9/2012		<0.005				
1/17/2013				<0.025		0.0086
1/18/2013	0.0087	<0.005	<0.005		<0.025	
4/5/2013		<0.005				
7/16/2013				<0.025		<0.005
7/17/2013	0.0084	<0.005	<0.005		<0.025	
10/11/2013		<0.005				
1/13/2014	0.0087			<0.025		0.0035 (J)
1/14/2014		<0.005	0.0023 (J)		<0.025	
4/3/2014		<0.005				
7/9/2014	0.008	<0.005	0.0023 (J)	<0.025	<0.025	0.0022 (J)
10/24/2014		<0.005				
1/12/2015			0.0028 (J)			
1/13/2015	0.0077			<0.025		<0.005
1/14/2015		<0.005			<0.025	
5/10/2015		<0.005				
7/16/2015	0.0077		<0.005	<0.025		0.0037 (J)
7/17/2015		<0.005			<0.025	
10/6/2015		<0.005				
1/17/2016						0.024
1/18/2016	0.014	<0.005	<0.005	<0.025	<0.025	
4/26/2016		0.0011 (J)				
7/27/2016	0.0111			0.0008 (J)		0.0046 (J)
7/28/2016		<0.005			0.0009 (J)	
7/29/2016			0.0014 (J)			
8/30/2016		<0.005		<0.025	<0.025	0.0023 (J)
9/1/2016	0.0287		0.0033 (J)			
10/24/2016		<0.005				
10/25/2016	0.0069					0.0035 (J)
10/26/2016			0.0016 (J)	<0.025	<0.025	
1/3/2017		<0.005		<0.025		
1/4/2017						0.0018 (J)
1/5/2017					0.0021 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0097		<0.005			
4/3/2017		0.0006 (J)				
4/4/2017			0.0021 (J)			0.0015 (J)
4/6/2017	0.0104			0.0006 (J)	0.0011 (J)	
7/11/2017		0.0006 (J)				
7/12/2017			0.0015 (J)	0.0009 (J)	0.0014 (J)	0.0015 (J)
7/13/2017	0.0064					
10/2/2017		0.0006 (J)				
10/3/2017				0.001 (J)	0.0014 (J)	0.0013 (J)
10/4/2017	0.0078		0.0018 (J)			
1/9/2018	0.0091 (J)	0.0009 (J)			0.0017 (J)	
1/10/2018				0.0012 (J)		0.0023 (J)
1/11/2018			0.0015 (J)			
7/9/2018		<0.005				
7/10/2018				0.0016 (J)	0.00063 (J)	0.0031 (J)
7/11/2018	<0.025		0.00095 (J)			
1/16/2019	<0.025	<0.005	0.0024 (J)	0.0011 (J)	<0.025	0.0023 (J)
3/25/2019	0.0029 (J)	<0.005	0.0029 (J)			
3/26/2019				0.0014 (J)	0.0029 (J)	0.0032 (J)
8/26/2019	0.0041 (J)	<0.005				
8/27/2019			0.0023 (J)		0.0035 (J)	0.0022 (J)
8/28/2019				0.0023 (J)		
10/7/2019		<0.005				
10/8/2019	0.003 (J)					
10/9/2019			0.0024 (J)	0.0053 (J)	0.0018 (J)	0.0042 (J)
4/6/2020	<0.025	0.00045 (J)				
4/7/2020			0.0027 (J)	0.0011 (J)	<0.025	0.027
8/17/2020		<0.005				
8/19/2020	0.006 (J)		0.0033 (J)	0.0019 (J)	0.0036 (J)	0.007
9/28/2020	<0.025	<0.005				0.0058
9/30/2020				0.0017 (J)	0.004 (J)	
10/1/2020			0.0027 (J)			
3/10/2021			0.0025 (J)	0.0019 (J)	0.0054	0.0055
3/11/2021	0.0047 (J)					
3/12/2021		<0.005				
9/21/2021	<0.025	<0.005	0.0027 (J)	<0.025	0.0054	
9/23/2021						0.0048 (J)
1/31/2022	<0.025	<0.005				
2/2/2022			0.0036 (J)		0.01	
2/3/2022				0.0029 (J)		0.0057
8/30/2022	0.00321 (J)	<0.005	0.0049 (J)	0.00253 (J)	0.00716	
9/1/2022						0.00568
1/31/2023	0.0025 (J)	<0.005				
2/1/2023				0.00295 (J)	0.0042 (J)	
2/2/2023			0.00556			0.00433 (J)
8/28/2023	0.0039 (J)	<0.005				
8/29/2023			0.0057	0.00239 (J)	0.00724	0.00668
1/23/2024	0.00432 (J)	0.00216 (J)			0.00451 (J)	0.00609
2/7/2024			0.00903			
2/8/2024				0.0071		
8/19/2024	0.00287 (J)					
8/20/2024			0.00377 (J)		0.0056	0.0131

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.005		0.00237 (J)		
1/27/2025		0.00205 (J)				
1/28/2025	0.00469 (J)		0.00703		0.00574	
1/29/2025				0.00216 (J)		0.00822
7/28/2025	0.00406 (J)	<0.005	0.00507			
7/29/2025					0.00474 (J)	0.00906
7/30/2025				0.00227 (J)		
1/27/2026	0.00502	<0.005	0.00618			0.00776
1/28/2026				<0.025	0.00504	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.025	<0.005	<0.005	<0.005	<0.005
11/21/2000	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
1/20/2001	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
3/14/2001	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
7/16/2001	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
11/1/2001	<0.025		<0.005	<0.005	<0.005	<0.005
11/2/2001		<0.025				
4/25/2002	<0.025					<0.005
4/26/2002		<0.025	<0.005	<0.005	<0.005	
11/21/2002		<0.025	<0.005			0.011
11/22/2002	<0.025			<0.005	<0.005	
6/6/2003	<0.025					<0.005
6/7/2003		<0.025	<0.005	<0.005	<0.005	
12/12/2003	<0.025	<0.025	<0.005	<0.005	0.0064	<0.005
5/27/2004	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
12/8/2004	<0.025			<0.005		<0.005
12/9/2004		<0.025	<0.005		<0.005	
6/22/2005		<0.025	<0.005	<0.005	<0.005	
6/23/2005	<0.025					<0.005
12/3/2005	<0.025					<0.005
12/4/2005			<0.005			
12/5/2005		<0.025		<0.005	<0.005	
4/4/2006						<0.005
6/28/2006			<0.005			
6/29/2006	<0.025	<0.025		<0.005	<0.005	<0.005
8/30/2006						<0.005
12/3/2006		<0.025	<0.005	<0.005	<0.005	
12/4/2006	<0.025					<0.005
2/15/2007						<0.005
6/23/2007	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
9/11/2007						<0.005
9/12/2007	<0.025					
9/13/2007		<0.025	<0.005	<0.005	<0.005	
11/6/2007	<0.025					<0.005
11/7/2007				<0.005	<0.005	
11/8/2007		<0.025	<0.005			
12/11/2007		<0.025	<0.005	<0.005	<0.005	
12/12/2007	<0.025					<0.005
1/15/2008			<0.005	<0.005	<0.005	
1/16/2008	<0.025	<0.025				0.1
3/11/2008				<0.005	<0.005	<0.005
3/12/2008	<0.025	<0.025				
3/13/2008			<0.005			
6/3/2008			<0.005	<0.005	<0.005	
6/4/2008		<0.025				
6/5/2008	<0.025					<0.005
6/23/2008		<0.025	<0.005	<0.005	<0.005	
6/24/2008	<0.025					<0.005
7/29/2008		<0.025	<0.005			
7/30/2008				<0.005	<0.005	
7/31/2008	<0.025					<0.005
11/3/2008						<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
3/25/2009						<0.005
7/8/2009	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
9/14/2009						<0.005
12/20/2009	<0.025					<0.005
12/21/2009		<0.025	<0.005	<0.005	<0.005	
3/4/2010						<0.005
6/20/2010	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
9/14/2010						<0.005
1/6/2011	<0.025		<0.005		<0.005	
1/7/2011		<0.025		<0.005		<0.005
4/15/2011						<0.005
7/7/2011	<0.025		<0.005	<0.005	<0.005	<0.005
7/8/2011		<0.025				
9/25/2011						<0.005
1/17/2012	<0.025		<0.005	<0.005	<0.005	<0.005
1/18/2012		<0.025				
4/4/2012						<0.005
7/9/2012	<0.025		<0.005	<0.005	<0.005	<0.005
7/10/2012		<0.025				
10/9/2012						<0.005
1/17/2013	<0.025		<0.005	<0.005	<0.005	
1/18/2013		<0.025				<0.005
4/5/2013						<0.005
7/16/2013			<0.005	<0.005	<0.005	
7/17/2013	<0.025	<0.025				<0.005
10/11/2013						<0.005
1/13/2014	<0.025		<0.005	<0.005	<0.005	
1/14/2014		<0.025				<0.005
4/3/2014						<0.005
7/8/2014			<0.005	<0.005	<0.005	
7/9/2014	<0.025	<0.025				<0.005
10/24/2014						<0.005
1/13/2015	<0.025		<0.005	<0.005	<0.005	
1/14/2015		<0.025				<0.005
5/10/2015						<0.005
7/16/2015	<0.025		<0.005	<0.005	<0.005	
7/17/2015		<0.025				<0.005
10/6/2015						<0.005
1/17/2016	<0.025					0.002 (J)
1/18/2016		<0.025		<0.005	<0.005	
1/19/2016			<0.005			
4/26/2016						0.00183 (J)
7/26/2016			<0.005		<0.005	
7/27/2016	<0.025			<0.005		0.0021 (J)
7/28/2016		<0.025				
8/31/2016	<0.025	<0.025	<0.005	<0.005	<0.005	
9/1/2016						0.0024 (J)
10/25/2016						<0.005
10/26/2016	<0.025		<0.005	<0.005	<0.005	
10/27/2016		<0.025				
1/4/2017			<0.005	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.025				<0.005	0.0024 (J)
1/6/2017		<0.025				
4/4/2017	<0.025					0.003 (J)
4/5/2017				0.0006 (J)		
4/6/2017		<0.025	<0.005		<0.005	
7/10/2017				0.0008 (J)		
7/11/2017			<0.005			0.0019 (J)
7/12/2017		<0.025			<0.005	
7/13/2017	<0.025					
10/2/2017						0.0026 (J)
10/3/2017	<0.025		<0.005			
10/4/2017		<0.025		0.0009 (J)	<0.005	
1/9/2018						0.0021 (J)
1/10/2018	0.0006 (J)				0.0006 (J)	
1/11/2018		<0.025	<0.005	<0.005		
7/9/2018						0.0019 (J)
7/10/2018	<0.025					
7/11/2018		<0.025	<0.005	<0.005	<0.005	
1/16/2019					<0.005	0.0016 (J)
1/17/2019			<0.005	<0.005		
1/18/2019		<0.025				
1/21/2019	<0.025					
3/26/2019					0.00058 (J)	0.0023 (J)
3/27/2019		<0.025	<0.005	<0.005		
7/30/2019	0.00039 (J)					
8/27/2019	<0.025		<0.005	<0.005	<0.005	0.0017 (J)
8/28/2019		<0.025				
10/8/2019			<0.005		<0.005	0.0017 (J)
10/9/2019	<0.025	<0.025		<0.005		
4/7/2020			<0.005	<0.005		0.0018 (J)
4/8/2020	0.00094 (J)	0.00084 (J)			<0.005	
8/17/2020				<0.005	<0.005	
8/18/2020	<0.025		<0.005			0.0012 (J)
8/19/2020		<0.025				
9/28/2020					<0.005	
9/29/2020	<0.025		<0.005	<0.005		<0.005
10/1/2020		<0.025				
3/10/2021		<0.025	<0.005	<0.005		
3/15/2021	<0.025				<0.005	
3/16/2021						<0.005
9/21/2021			<0.005	<0.005	<0.005	
9/22/2021	<0.025	<0.025				0.0014 (J)
2/2/2022	<0.025	<0.025				0.0036 (J)
2/3/2022			<0.005	0.0016 (J)	0.0025 (J)	
8/30/2022				<0.005		<0.005
8/31/2022			<0.005		<0.005	
9/1/2022	<0.025	<0.025				
2/1/2023		<0.025	<0.005	<0.005	<0.005	
2/2/2023	<0.025					0.00261 (J)
8/29/2023	<0.025	<0.025			<0.005	
9/6/2023			0.00254 (J)	<0.005		0.00244 (J)
1/24/2024		<0.025	<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.025			<0.005	<0.005	0.00216 (J)
8/21/2024	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005
1/28/2025			0.00241 (J)			
1/29/2025	<0.025	<0.025		<0.005	<0.005	<0.005
7/29/2025			<0.005			
7/30/2025	<0.025	<0.025		<0.005	<0.005	0.00239 (J)
1/27/2026			<0.005			
1/28/2026	<0.025	<0.025		<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.01	0.094	<0.005			
11/21/2000	<0.01	0.059	<0.005			
1/20/2001	<0.01	0.087	<0.005			
3/14/2001	<0.01	0.075	<0.005			
7/16/2001	<0.01	0.11	<0.005			
11/1/2001	<0.01	0.098	<0.005			
4/25/2002	<0.005	0.071	<0.005			
11/21/2002	<0.005	0.15	<0.005			
6/6/2003	<0.005	1.2 (O)	<0.005			
12/12/2003	<0.005	0.27 (O)	<0.005			
5/26/2004	<0.005	0.12				
5/27/2004			<0.005			
12/8/2004	<0.005	0.098	<0.005			
6/21/2005		0.065				
6/23/2005	<0.005		<0.005			
12/3/2005	<0.005					
12/4/2005		0.081				
12/5/2005			<0.005			
4/4/2006		0.077				
6/29/2006	<0.005	0.071	<0.005			
8/30/2006		0.08				
12/4/2006	<0.005	0.085	<0.005			
2/15/2007		0.09				
6/23/2007	<0.005	0.12	<0.005			
9/11/2007		0.088				
9/12/2007	<0.005		<0.005			
11/6/2007	<0.005	0.098	<0.005			
12/12/2007	<0.005	0.088	<0.005			
1/16/2008	<0.005	<0.016	<0.005			
3/11/2008		0.071				
3/12/2008	<0.005					
3/13/2008			<0.005			
6/4/2008			<0.005			
6/5/2008	<0.005	0.076				
6/24/2008	<0.005	0.097	<0.005			
7/31/2008	<0.005	0.1	<0.005			
11/3/2008		0.089				
12/5/2008	<0.005	0.092	<0.005			
3/25/2009		0.095				
7/8/2009	0.0052	0.11	<0.005			
9/14/2009		0.099				
12/20/2009	<0.005	0.1				
12/21/2009			<0.005			
3/4/2010		0.074				
6/20/2010	0.0068					
6/21/2010		0.056	<0.005	0.29	0.013	<0.005
9/14/2010		0.067				
1/7/2011	<0.005	0.066	<0.005	0.2	<0.005	<0.005
4/15/2011		0.08				
7/7/2011	<0.005	0.054				
7/8/2011			<0.005	0.19	<0.005	<0.005
9/25/2011		0.085				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.005					
1/18/2012		0.089	<0.005	0.058	<0.005	<0.005
4/4/2012		0.0473				
7/9/2012	<0.005					
7/10/2012		0.07	<0.005	0.18	<0.005	<0.005
10/9/2012		0.088				
1/18/2013	0.0089	0.063	<0.005	0.22	0.0061	<0.005
4/5/2013		0.06				
7/17/2013	0.011	0.063	<0.005	0.45	<0.005	<0.005
10/11/2013		0.059				
1/13/2014	0.017					
1/14/2014		0.077	<0.005	0.52	0.0061	<0.005
4/3/2014		0.091				
7/9/2014	0.014	0.08	<0.005		<0.005	
7/10/2014				0.4		0.0027 (J)
10/24/2014		0.073				
1/12/2015				0.43		
1/13/2015	0.011					
1/14/2015		0.079	<0.005		<0.005	<0.005
5/11/2015		0.058				
7/16/2015	0.02	0.068				
7/17/2015					<0.005	
7/18/2015			<0.005	0.26		<0.005
10/6/2015		0.078				
1/17/2016	0.014	0.089		0.34	0.0065	
1/18/2016			<0.005			<0.005
4/26/2016		0.0731				
7/27/2016	0.0303					
7/28/2016		0.0627		0.209	<0.005	
7/29/2016			0.0009 (J)			0.002 (J)
8/31/2016						0.0017 (J)
9/1/2016	0.0533	0.0551	<0.005	0.215	0.0039 (J)	
10/25/2016	0.0551	0.0466		0.307	<0.005	
10/26/2016			<0.005			<0.005
1/4/2017		0.0444		0.311	<0.005	<0.005
1/5/2017	0.0437		<0.005			
4/3/2017	0.0713					
4/4/2017				0.317	0.0031 (J)	
4/5/2017		0.0591	0.0011 (J)			
4/6/2017						0.0006 (J)
7/11/2017	0.0745			0.299		0.0012 (J)
7/12/2017		0.0776				
7/13/2017			0.0016 (J)		<0.005	
10/2/2017	0.0723			0.216		
10/3/2017		0.0813			<0.005	
10/4/2017			0.0019 (J)			0.0025 (J)
1/9/2018	0.0731				0.0033 (J)	
1/10/2018		0.085		0.347		
1/11/2018			0.0015 (J)			0.0006 (J)
7/9/2018				0.37		
7/10/2018	0.09	0.067			0.0027 (J)	
7/11/2018			0.00082 (J)			0.0011 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.005			
1/17/2019	0.13	0.079			0.0022 (J)	
1/18/2019						<0.005
1/21/2019				0.44		
3/25/2019				0.41		
3/26/2019	0.1	0.089	0.0015 (J)		0.0045 (J)	
3/27/2019						<0.005
8/27/2019	0.17					0.00044 (J)
8/28/2019		0.091	0.0011 (J)	0.43	0.002 (J)	
10/8/2019	0.13	0.088			0.0028 (J)	
10/9/2019			0.0011 (J)	0.35		<0.005
4/7/2020	0.24	0.091			<0.005	0.00043 (J)
4/8/2020			0.0013 (J)	0.33		
8/18/2020	0.28	0.045	<0.005	0.3	0.0059	<0.005
9/30/2020	0.24	0.044	0.0012 (J)	0.31	0.0029 (J)	<0.005
3/10/2021						<0.005
3/11/2021			0.0009 (J)			
3/12/2021	0.16			0.27		
3/16/2021		0.064			0.0098	
9/21/2021						<0.005
9/22/2021		0.081	<0.005	0.23	<0.005	
9/23/2021	0.21					
2/1/2022		0.095	<0.005	0.22	0.02	
2/3/2022	0.23					<0.005
8/30/2022				0.465	0.0271	
8/31/2022	0.259		<0.005			<0.005
9/1/2022		0.0987				
2/1/2023		0.115	<0.005	0.389		
2/2/2023	0.207				0.0323	<0.005
8/29/2023			<0.005			0.00216 (J)
9/6/2023		0.12		0.258	0.0323	
9/7/2023	0.287					
1/23/2024						<0.005
1/24/2024	0.177		<0.005	0.552		
1/25/2024		0.131			0.0319	
8/21/2024	0.183	0.131	<0.005	0.423		<0.005
8/22/2024					0.00929	
1/28/2025			0.00286 (J)			<0.005
1/29/2025	0.253	0.143		0.196	0.0307	
7/29/2025			<0.005	0.186		<0.005
7/30/2025	0.325	0.17			0.028	
1/27/2026	0.235			0.288		
1/28/2026		0.202	<0.005		0.0428	<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			<0.005	
1/21/2021	<0.005	<0.005		
3/11/2021	<0.005	<0.005	0.00092 (J)	0.001 (J)
9/21/2021				<0.005
9/22/2021	<0.005	<0.005		
9/23/2021			<0.005	
2/1/2022		<0.005		
2/2/2022				0.0015 (J)
2/3/2022	<0.005		<0.005	
8/31/2022	<0.005		<0.005	
9/1/2022		<0.005		
2/1/2023	<0.005			
2/2/2023		<0.005	<0.005	
9/6/2023	<0.005	<0.005		
9/7/2023			<0.005	
1/24/2024	<0.005			
1/25/2024		<0.005	<0.005	<0.005
8/20/2024				<0.005
8/21/2024	<0.005	<0.005	<0.005	
1/28/2025				<0.005
1/29/2025	<0.005	<0.005	<0.005	
7/29/2025	<0.005			<0.005
7/30/2025		<0.005	<0.005	
1/27/2026			<0.005	
1/28/2026	<0.005	<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	0.11	0.16	0.16	0.22	0.16	0.044
11/21/2000	0.12		0.16	0.13	0.21	0.047
1/20/2001	0.11	0.18	0.21	0.19	0.23	0.051
3/14/2001	0.11	0.14	0.18	0.27	0.22	0.048
7/16/2001	0.11	0.14	0.18	0.37	0.22	0.054
11/1/2001	0.11	0.14				0.063
11/2/2001			0.15	0.61 (O)	0.23	
4/25/2002						0.032
4/26/2002	0.058	0.088	0.16	0.19	0.15	
6/6/2003	0.19	0.14	0.29	0.72 (O)	0.13	0.046
12/12/2003	0.1	0.13	0.18	0.054	0.034	
12/17/2003						0.034
5/26/2004	0.084	0.09	0.16	0.18	0.13	0.035
12/8/2004	0.094	0.11				0.024
12/10/2004			0.16	0.24	0.13	
6/21/2005	0.089	0.084	0.15	0.2	0.07	0.039
12/3/2005	0.089	0.1				
12/4/2005						0.042
12/5/2005			0.15	0.074	0.04	
4/4/2006		0.089				
6/27/2006	0.096	0.1	0.19	0.075		0.033
6/29/2006					0.041	
8/30/2006		0.12				
12/3/2006	0.092	0.086				
12/4/2006			0.26	0.092	0.042	0.04
2/15/2007		0.088				
6/23/2007	0.08	0.089	0.24	0.089	0.12	0.044
9/11/2007		0.092				
9/12/2007			0.31	0.087		0.054
9/14/2007	0.078				0.11	
11/7/2007			0.24	0.074		0.059
11/8/2007	0.067	0.085			0.11	
12/11/2007	0.067	0.077			0.12	
12/12/2007			0.21	0.072		0.049
1/17/2008			0.13	0.07	0.03	0.058
1/18/2008	0.071	0.084				
3/11/2008		0.082				
3/12/2008			0.24			0.052
3/13/2008	0.061			0.059	0.11	
6/4/2008	0.06	0.072		0.046		0.04
6/5/2008			0.11		0.03	
6/23/2008	0.056	0.086				
6/24/2008			0.13	0.049	0.17	0.038
7/29/2008	0.055	0.084				
7/30/2008			0.1	0.065	0.1	
7/31/2008						0.047
11/3/2008		0.088				
12/4/2008	0.054	0.081				
12/5/2008			0.12	0.067	0.093	0.06
3/25/2009		0.069				
7/7/2009	0.034	0.078	0.17	0.04	0.06	0.043
9/14/2009		0.079				

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
12/20/2009	0.034	0.081				0.065
12/21/2009			0.2	0.044	0.11	
3/4/2010		0.065				
6/20/2010	0.062	0.078		0.036	0.11	0.095
6/21/2010			0.22			
9/14/2010		0.076				
1/6/2011				0.075		0.093
1/7/2011	0.039	0.074	0.12		0.025	
4/15/2011		0.065				
7/7/2011	0.036	0.081		0.13	0.025	0.095
7/8/2011			0.15			
9/25/2011		0.078				
1/17/2012	0.041	0.082		0.21		0.1
1/18/2012			0.15		0.03	
4/4/2012		0.0861				
7/9/2012	0.15			0.2		0.11
7/10/2012		0.082	0.14		0.028	
10/9/2012		0.09				
1/17/2013				0.19		0.12
1/18/2013	0.15	0.083	0.15		0.058	
4/5/2013		0.078				
7/16/2013				0.076		0.081
7/17/2013	0.13	0.083	0.14		0.086	
10/11/2013		0.078				
1/13/2014	0.16			0.14		0.096
1/14/2014		0.081	0.16		0.1	
4/3/2014		0.077				
7/9/2014	0.11	0.073	0.12	0.12	0.082	0.066
10/24/2014		0.087				
1/12/2015			0.13			
1/13/2015	0.083			0.13		0.068
1/14/2015		0.079			0.094	
5/10/2015		0.076				
7/16/2015	0.094		0.11	0.12		0.07
7/17/2015		0.061			0.11	
10/6/2015		0.067				
1/17/2016						0.062
1/18/2016	0.22	0.068	0.095	0.12	0.11	
4/26/2016		0.0596				
7/27/2016	0.192			0.112		0.0417
7/28/2016		0.0701			0.105	
7/29/2016			0.0883			
8/30/2016		0.0687		0.135	0.106	0.0545
9/1/2016	0.415 (O)		0.123			
10/24/2016		0.07				
10/25/2016	0.173					0.0504
10/26/2016			0.0863	0.103	0.107	
1/3/2017		0.061		0.118		
1/4/2017						0.0534
1/5/2017					0.107	
1/6/2017	0.167		0.0758			
4/3/2017		0.0612				

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
4/4/2017			0.091			0.0549
4/6/2017	0.136			0.162	0.111	
7/11/2017		0.0624				
7/12/2017			0.0941	0.157	0.106	0.0614
7/13/2017	0.0891					
10/2/2017		0.0618				
10/3/2017				0.127	0.105	0.0436
10/4/2017	0.113		0.0994			
1/9/2018	0.0901	0.0574			0.0969	
1/10/2018				0.158		0.053
1/11/2018			0.088			
7/9/2018		0.056				
7/10/2018				0.31	0.087	0.059
7/11/2018	0.065		0.071			
1/16/2019	0.062	0.062	0.083	0.054	0.013 (J)	0.054
3/25/2019	0.054	0.064	0.077			
3/26/2019				0.057	0.012 (J)	0.055
8/26/2019	0.11	0.065				
8/27/2019			0.076		0.013	0.054
8/28/2019				0.1		
10/7/2019		0.069				
10/8/2019	0.1					
10/9/2019			0.076	0.13	0.014 (J)	0.058
4/6/2020	0.072	0.057				
4/7/2020			0.09	0.098	0.01 (J)	0.05
8/17/2020		0.051				
8/19/2020	0.1		0.076	0.1	0.064	0.057
9/28/2020	0.095	0.05				0.051
9/30/2020				0.16	0.092	
10/1/2020			0.077			
3/10/2021			0.07	0.096	0.027	0.052
3/11/2021	0.07					
3/12/2021		0.052				
9/21/2021	0.073	0.049	0.098	0.076	0.077	
9/23/2021						0.062
1/31/2022	0.1	0.051				
2/2/2022			0.17		0.026	
2/3/2022				0.062		0.051
8/30/2022	0.133	0.0512	0.134	0.051	0.0266	
9/1/2022						0.0583
1/31/2023	0.126	0.0499				
2/1/2023				0.101	0.0233	
2/2/2023			0.101			0.0466
8/28/2023	0.177	0.0483				
8/29/2023			0.16	0.0643	0.0196	0.0637
1/23/2024	0.236	0.0571			0.0239	0.0531
2/7/2024			0.178			
2/8/2024				0.168		
8/19/2024	0.201					
8/20/2024			0.214		0.028	0.0452
8/21/2024		0.0576		0.0921		
1/27/2025		0.0536				

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/28/2025	0.203		0.166		0.0197	
1/29/2025				0.153		0.0531
7/28/2025	0.209	0.0537	0.202			
7/29/2025					0.0207	0.0467
7/30/2025				0.129		
1/27/2026	0.221	0.0524	0.136			0.056
1/28/2026				0.126	0.0263	

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		0.093	0.1	0.075	<0.005	0.11
11/21/2000	0.046	0.095	0.082	0.072	0.01	0.15
1/20/2001	0.036	0.089	0.083	0.086	<0.005	0.1
3/14/2001	0.03	0.088	0.075	0.088	0.01	0.095
7/16/2001	0.032	0.096	0.091	0.084	<0.005	0.28 (O)
11/1/2001	0.029		0.068	0.13	<0.005	0.16
11/2/2001		0.094				
4/25/2002	0.021					0.054
4/26/2002		0.085	0.066	0.24 (O)	<0.005	
6/6/2003	0.032					0.063
6/7/2003		0.09	0.085	0.28 (O)	0.028	
12/12/2003	0.021	0.084	0.072	0.27 (O)	0.019	0.041
5/27/2004	0.035	0.08	0.055	0.31 (O)	<0.005	0.059
12/8/2004	0.031			0.46 (O)		0.076
12/9/2004		0.098	0.066		0.009	
6/22/2005		0.084	0.033	0.053	0.0089	
6/23/2005	0.028					0.042
12/3/2005	0.024					0.048
12/4/2005			0.034			
12/5/2005		0.07		0.1	0.026	
4/4/2006						0.05
6/28/2006			0.029			
6/29/2006	0.03	0.083		0.098	0.029	0.036
8/30/2006						0.059
12/3/2006		0.072	0.02	0.068	0.017	
12/4/2006	0.031					0.062
2/15/2007						0.079
6/23/2007	0.037	0.087	0.017	0.042	0.014	0.03
9/11/2007						0.053
9/12/2007	0.036					
9/13/2007		0.082	0.014	0.037	0.0097	
11/6/2007	0.036					0.065
11/7/2007				0.04	0.01	
11/8/2007		0.084	0.015			
12/11/2007		0.082	0.013	0.04	0.011	
12/12/2007	0.034					0.075
1/15/2008			0.014	0.04	0.011	
1/16/2008	0.031	0.081				0.038
3/11/2008				0.034	0.01	0.052
3/12/2008	0.031	0.081				
3/13/2008			0.013			
6/3/2008			0.012	0.034	0.028	
6/4/2008		0.1				
6/5/2008	0.037					0.076
6/23/2008		0.1	0.012	0.041	0.018	
6/24/2008	0.038					0.039
7/29/2008		0.089	0.01			
7/30/2008				0.033	0.016	
7/31/2008	0.036					0.033
11/3/2008						0.082
12/4/2008	0.038	0.12	0.011	0.035	0.019	0.079
3/25/2009						0.093

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
7/8/2009	0.053	0.14	0.012	0.036	0.011	0.039
9/14/2009						0.061
12/20/2009	0.047					0.088
12/21/2009		0.15	0.011	0.028	0.01	
3/4/2010						0.077
6/20/2010	0.046	0.21	0.0089	0.025	0.0081	0.075
9/14/2010						0.093
1/6/2011	0.063		0.014		0.012	
1/7/2011		0.2		0.037		0.13
4/15/2011						0.086
7/7/2011	0.06		0.018	0.039	0.015	0.051
7/8/2011		0.18				
9/25/2011						0.056
1/17/2012	0.06		0.23	0.045	0.0086	0.052
1/18/2012		0.18				
4/4/2012						0.0519
7/9/2012	0.05		0.17	0.032	0.01	0.048
7/10/2012		0.16				
10/9/2012						0.065
1/17/2013	0.058		0.2	0.033	0.014	
1/18/2013		0.19				0.045
4/5/2013						0.047
7/16/2013			0.11	0.027	0.012	
7/17/2013	0.041	0.17				0.032
10/11/2013						0.028
1/13/2014	0.058		0.083	0.027	0.015	
1/14/2014		0.2				0.036
4/3/2014						0.038
7/8/2014			0.066	0.037	0.017	
7/9/2014	0.048	0.16				0.03
10/24/2014						0.025
1/13/2015	0.048		0.053	0.023	0.019	
1/14/2015		0.17				0.04
5/10/2015						0.026
7/16/2015	0.048		0.052	0.03	0.022	
7/17/2015		0.18				0.029
10/6/2015						0.03
1/17/2016	0.049					0.038
1/18/2016		0.2		0.032	0.026	
1/19/2016			0.048			
4/26/2016						0.025
7/26/2016			0.051		0.0236	
7/27/2016	0.0796			0.0191		0.0248
7/28/2016		0.234				
8/31/2016	0.0429	0.284	0.0565	0.019	0.0273	
9/1/2016						0.0346
10/25/2016						0.0248
10/26/2016	0.113 (O)		0.0591	0.0197	0.0238	
10/27/2016		0.244				
1/4/2017			0.0598	0.0174		
1/5/2017	0.0526				0.0218	0.0245
1/6/2017		0.305				

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
4/4/2017	0.0503					0.0342
4/5/2017				0.0174		
4/6/2017		0.249	0.0813		0.0204	
7/10/2017				0.0172		
7/11/2017			0.0302			0.0276
7/12/2017		0.256			0.0161	
7/13/2017	0.0529					
10/2/2017						0.0274
10/3/2017	0.057		0.103			
10/4/2017		0.356		0.0162	0.0185	
1/9/2018						0.0222
1/10/2018	0.0527				0.0166	
1/11/2018		0.226	0.166	0.018		
7/9/2018						0.026
7/10/2018	0.054					
7/11/2018		0.29	0.12	0.014	0.019	
1/16/2019					0.019	0.028
1/17/2019			0.039	0.017		
1/18/2019		0.21				
1/21/2019	0.05					
3/26/2019					0.026	0.034
3/27/2019		0.19	0.053	0.017		
7/30/2019	0.052					
8/27/2019	0.053		0.12	0.017	0.024	0.067
8/28/2019		0.17				
10/8/2019			0.13		0.024	0.085
10/9/2019	0.05	0.18		0.019		
4/7/2020			0.14	0.017		0.073
4/8/2020	0.061	0.15			0.027	
8/17/2020				0.018	0.024	
8/18/2020	0.05		0.12			0.028
8/19/2020		0.17				
9/28/2020					0.029	
9/29/2020	0.049		0.14	0.018		0.026
10/1/2020		0.15				
3/10/2021		0.15	0.13	0.028		
3/15/2021	0.053				0.034	
3/16/2021						0.037
9/21/2021			0.12	0.023	0.037	
9/22/2021	0.047	0.15				0.11
2/2/2022	0.052	0.15				0.1
2/3/2022			0.17	0.025	0.038	
8/30/2022				0.0275		0.0773
8/31/2022			0.115		0.0379	
9/1/2022	0.0508	0.151				
2/1/2023		0.128	0.146	0.0256	0.0367	
2/2/2023	0.0461					0.0617
8/29/2023	0.0452	0.138			0.0712	
9/6/2023			0.192	0.0273		0.0833
1/24/2024		0.134	0.146			
1/25/2024	0.0505			0.0267	0.0607	0.0418
8/21/2024	0.0506	0.149	0.126	0.0236	0.0526	0.0355

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/28/2025			0.132			
1/29/2025	0.0486	0.163		0.0209	0.055	0.108
7/29/2025			0.111			
7/30/2025	0.0484	0.173		0.019	0.0564	0.0931
1/27/2026			0.137			
1/28/2026	0.0507	0.194		0.0235	0.0608	0.084

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	0.028	0.076	0.16			
11/21/2000	0.035	0.075	0.17			
1/20/2001	0.032	0.053	0.16			
3/14/2001	0.036	0.055	0.17			
7/16/2001	0.036	0.041	0.19			
11/1/2001	0.036	0.045	0.18			
4/25/2002	0.045	0.055	0.15			
6/6/2003	0.083	0.48 (O)	0.13			
12/12/2003	0.094	0.13	0.18			
5/26/2004	0.034	0.055				
5/27/2004			0.17			
12/8/2004	0.042	0.072	0.19			
6/21/2005		0.061				
6/23/2005	0.039		0.18			
12/3/2005	0.043					
12/4/2005		0.047				
12/5/2005			0.17			
4/4/2006		0.042				
6/29/2006	0.031	0.042	0.17			
8/30/2006		0.05				
12/4/2006	0.043	0.044	0.21			
2/15/2007		0.041				
6/23/2007	0.031	0.044	0.17			
9/11/2007		0.04				
9/12/2007	0.044		0.18			
11/6/2007	0.04	0.035	0.19			
12/12/2007	0.044	0.0035	0.18			
1/16/2008	0.041	0.092	0.18			
3/11/2008		0.034				
3/12/2008	0.034					
3/13/2008			0.17			
6/4/2008			0.2			
6/5/2008	0.037	0.043				
6/24/2008	0.057	0.042	0.14			
7/31/2008	0.036	0.042	0.12			
11/3/2008		0.049				
12/5/2008	0.041	0.05	0.19			
3/25/2009		0.052				
7/8/2009	0.058	0.046	0.2			
9/14/2009		0.048				
12/20/2009	0.062	0.062				
12/21/2009			0.23			
3/4/2010		0.058				
6/20/2010	0.03					
6/21/2010		0.041	0.25	0.062	0.16	0.11
9/14/2010		0.036				
1/7/2011	0.049	0.054	0.21	0.039	0.095	0.12
4/15/2011		0.049				
7/7/2011	0.05	0.063				
7/8/2011			0.13	0.043	0.1	0.094
9/25/2011		0.037				
1/17/2012	0.044					

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/18/2012		0.034	0.26	0.042	0.12	0.087
4/4/2012		0.0446				
7/9/2012	0.045					
7/10/2012		0.033	0.19	0.039	0.097	0.1
10/9/2012		0.041				
1/18/2013	0.049	0.036	0.17	0.04	0.1	0.078
4/5/2013		0.036				
7/17/2013	0.039	0.054	0.18	0.055	0.069	0.062
10/11/2013		0.052				
1/13/2014	0.038					
1/14/2014		0.051	0.18	0.059	0.086	0.073
4/3/2014		0.047				
7/9/2014	0.031	0.08	0.16		0.065	
7/10/2014				0.067		0.13
10/24/2014		0.072				
1/12/2015				0.061		
1/13/2015	0.041					
1/14/2015		0.047	0.16		0.084	0.065
5/11/2015		0.053				
7/16/2015	0.041	0.059				
7/17/2015					0.071	
7/18/2015			0.012	0.13		0.073
10/6/2015		0.053				
1/17/2016	0.048	0.056		0.08	0.079	
1/18/2016			0.13			0.062
4/26/2016		0.0721				
7/27/2016	0.0487					
7/28/2016		0.0534		0.164	0.0626	
7/29/2016			0.181			0.0575
8/31/2016						0.0693
9/1/2016	0.0403	0.0445	0.203	0.0976	0.077	
10/25/2016	0.0329	0.0464		0.0702	0.0217	
10/26/2016			0.177			0.0966
1/4/2017		0.0379		0.0999	0.0617	0.0975
1/5/2017	0.0392		0.142			
4/3/2017	0.0439					
4/4/2017				0.136	0.0761	
4/5/2017		0.0534	0.106			
4/6/2017						0.064
7/11/2017	0.051			0.145		0.0778
7/12/2017		0.0944				
7/13/2017			0.0686		0.0428	
10/2/2017	0.047			0.148		
10/3/2017		0.135			0.0376	
10/4/2017			0.0589			0.156
1/9/2018	0.0431				0.0704	
1/10/2018		0.0603		0.0788		
1/11/2018			0.0412			0.0702
7/9/2018				0.087		
7/10/2018	0.047	0.16			0.061	
7/11/2018			0.049			0.12
1/16/2019			0.063			

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2019	0.042	0.13			0.061	
1/18/2019						0.052
1/21/2019				0.069		
3/25/2019				0.085		
3/26/2019	0.047	0.14	0.025		0.084	
3/27/2019						0.057
8/27/2019	0.049					0.097
8/28/2019		0.09	0.026	0.078	0.063	
10/8/2019	0.057	0.13			0.079	
10/9/2019			0.032	0.078		0.065
4/7/2020	0.033	0.13			0.054	0.1
4/8/2020			0.055	0.19		
8/18/2020	0.03	0.32	0.074	0.38	0.18	0.085
9/30/2020	0.034	0.14	0.035	0.35	0.19	0.045
3/10/2021						0.049
3/11/2021			0.044			
3/12/2021	0.038			0.34		
3/16/2021		0.16			0.18	
9/21/2021						0.036
9/22/2021		0.26	0.058	0.42	0.046	
9/23/2021	0.062					
2/1/2022		0.23	0.055	0.36	0.24	
2/3/2022	0.061					0.038
8/30/2022				0.21	0.191	
8/31/2022	0.055		0.0375			0.0741
9/1/2022		0.165				
2/1/2023		0.163	0.0262	0.194		
2/2/2023	0.0557				0.196	0.0456
8/29/2023			0.0295			0.127
9/6/2023		0.143		0.178	0.232	
9/7/2023	0.0573					
1/23/2024						0.0372
1/24/2024	0.0529		0.029	0.109		
1/25/2024		0.119			0.203	
8/21/2024	0.0541	0.111	0.0254	0.226		0.0362
8/22/2024					0.291	
1/28/2025			0.0275			0.0297
1/29/2025	0.0616	0.129		0.278	0.26	
7/29/2025			0.0311	0.297		0.199
7/30/2025	0.0553	0.105			0.172	
1/27/2026	0.0775			0.301		
1/28/2026		0.12	0.0355		0.254	0.165

Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	0.076	0.047	0.03	0.037
9/21/2021				0.027
9/22/2021	0.076	0.038		
9/23/2021			0.024	
2/1/2022		0.036		
2/2/2022				0.026
2/3/2022	0.079		0.024	
8/31/2022	0.0765		0.0216	
9/1/2022		0.0267		
2/1/2023	0.06			
2/2/2023		0.0268	0.0253	
9/6/2023	0.0732	0.034		
9/7/2023			0.029	
1/24/2024	0.0554			
1/25/2024		0.027	0.0233	0.0287
8/20/2024				0.0297
8/21/2024	0.0642	0.028	0.0253	
1/28/2025				0.0277
1/29/2025	0.0555	0.0278	0.0277	
7/29/2025	0.0554			0.0282
7/30/2025		0.0256	0.0255	
1/27/2026			0.0243	
1/28/2026	0.0549	0.0287		0.034

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/21/2000	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
1/20/2001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/14/2001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
7/16/2001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2001	<0.0005	<0.0005				<0.0005
11/2/2001			<0.0005	<0.0005	<0.0005	
4/25/2002						<0.0005
4/26/2002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9/11/2007		<0.0005				
9/12/2007			<0.0005	<0.0005		<0.0005
9/14/2007	<0.0005				<0.0005	
11/7/2007			<0.0005	<0.0005		<0.0005
11/8/2007	<0.0005	<0.0005			<0.0005	
1/17/2008			<0.0005	<0.0005	<0.0005	<0.0005
1/18/2008	<0.0005	<0.0005				
3/11/2008		<0.0005				
3/12/2008			<0.0005			<0.0005
3/13/2008	<0.0005			<0.0005	<0.0005	
6/4/2008	<0.0005	<0.0005		<0.0005		<0.0005
6/5/2008			<0.0005		<0.0005	
7/29/2008	<0.0005	<0.0005				
7/30/2008			<0.0005	<0.0005	<0.0005	
7/31/2008						<0.0005
8/30/2016		0.0002 (J)		0.0002 (J)	<0.0005	<0.0005
9/1/2016	0.0017 (J)		0.0004 (J)			
10/24/2016		<0.0005				
10/25/2016	0.0002 (J)					<0.0005
10/26/2016			0.0001 (J)	0.0001 (J)	<0.0005	
1/3/2017		0.0002 (J)		0.0001 (J)		
1/4/2017						<0.0005
1/5/2017					<0.0005	
1/6/2017	0.0003 (J)		0.0001 (J)			
4/3/2017		0.0002 (J)				
4/4/2017			0.0001 (J)			<0.0005
4/6/2017	0.0004 (J)			0.0003 (J)	<0.0005	
7/11/2017		0.0002 (J)				
7/12/2017			<0.0005	0.0002 (J)	<0.0005	<0.0005
7/13/2017	0.001 (J)					
10/2/2017		0.0002 (J)				
10/3/2017				0.0002 (J)	<0.0005	<0.0005
10/4/2017	0.0002 (J)		0.0001 (J)			
1/9/2018	<0.0005	0.0002 (J)			<0.0005	
1/10/2018				0.0003 (J)		<0.0005
1/11/2018			0.0001 (J)			
7/9/2018		0.0002 (J)				
7/10/2018				0.00028 (J)	<0.0005	<0.0005
7/11/2018	<0.0005		<0.0005			
1/16/2019						<0.0005
8/26/2019	<0.0005	0.00021 (J)				
8/27/2019			<0.0005		<0.0005	<0.0005
8/28/2019				7.6E-05 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
10/7/2019		0.00024 (J)				
10/8/2019	<0.0005					
10/9/2019			<0.0005	<0.0005	<0.0005	<0.0005
4/6/2020	<0.0005	0.00017 (J)				
4/7/2020			<0.0005	<0.0005	<0.0005	<0.0005
8/17/2020		0.00019 (J)				
8/19/2020	<0.0005		<0.0005	<0.0005	5E-05 (J)	<0.0005
9/28/2020	<0.0005	0.00021 (J)				<0.0005
9/30/2020				6.5E-05 (J)	4.6E-05 (J)	
10/1/2020			<0.0005			
3/10/2021			<0.0005	8.2E-05 (J)	<0.0005	<0.0005
3/11/2021	0.00028 (J)					
3/12/2021		0.00023 (J)				
9/21/2021	<0.0005	0.00016 (J)	<0.0005	9.9E-05 (J)	<0.0005	
9/23/2021						<0.0005
1/31/2022	<0.0005	0.00016 (J)				
2/2/2022			<0.0005		<0.0005	
2/3/2022				0.00014 (J)		<0.0005
8/30/2022	0.000219 (J)	<0.0005	<0.0005	<0.0005	<0.0005	
9/1/2022						<0.0005
1/31/2023	<0.0005	0.000206 (J)				
2/1/2023				<0.0005	<0.0005	
2/2/2023			<0.0005			<0.0005
8/28/2023	<0.0005	<0.0005				
8/29/2023			<0.0005	<0.0005	<0.0005	<0.0005
1/23/2024	<0.0005	<0.0005			<0.0005	<0.0005
2/7/2024			<0.0005			
2/8/2024				<0.0005		
8/19/2024	<0.0005					
8/20/2024			<0.0005		<0.0005	<0.0005
8/21/2024		<0.0005		<0.0005		
1/27/2025		<0.0005				
1/28/2025	<0.0005		<0.0005		<0.0005	
1/29/2025				<0.0005		<0.0005
7/28/2025	<0.0005	0.000227 (J)	<0.0005			
7/29/2025					<0.0005	<0.0005
7/30/2025				<0.0005		
1/27/2026	<0.0005	<0.0005	<0.0005			<0.0005
1/28/2026				<0.0005	<0.0005	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
11/21/2000	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
1/20/2001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
3/14/2001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
7/16/2001	<0.0005	<0.0005	<0.0005	<0.0013	<0.0005	<0.0005
11/1/2001	<0.0005		<0.0005	<0.0013	<0.0005	<0.0005
11/2/2001		<0.0005				
4/25/2002	<0.0005					<0.0005
4/26/2002		<0.0005	<0.0005	<0.0013	<0.0005	
9/11/2007						<0.0005
9/12/2007	<0.0005					
9/13/2007		<0.0005	<0.0005	<0.0013	<0.0005	
11/6/2007	<0.0005					<0.0005
11/7/2007				<0.0013	<0.0005	
11/8/2007		<0.0005	<0.0005			
1/15/2008			<0.0005	<0.0013	<0.0005	
1/16/2008	<0.0005	<0.0005				<0.0005
3/11/2008				<0.0013	<0.0005	<0.0005
3/12/2008	<0.0005	<0.0005				
3/13/2008			<0.0005			
6/3/2008			<0.0005	<0.0013	<0.0005	
6/4/2008		<0.0005				
6/5/2008	<0.0005					<0.0005
7/29/2008		<0.0005	<0.0005			
7/30/2008				<0.0013	<0.0005	
7/31/2008	<0.0005					<0.0005
8/31/2016	<0.0005	0.0003 (J)	<0.0005	0.0011 (J)	<0.0005	
9/1/2016						0.0001 (J)
10/25/2016						<0.0005
10/26/2016	0.0003 (J)		<0.0005	0.0011 (J)	<0.0005	
10/27/2016		0.0003 (J)				
1/4/2017			<0.0005	0.0009 (J)		
1/5/2017	<0.0005				<0.0005	<0.0005
1/6/2017		0.0002 (J)				
4/4/2017	9E-05 (J)					9E-05 (J)
4/5/2017				0.0008 (J)		
4/6/2017		0.0003 (J)	<0.0005		<0.0005	
7/10/2017				0.0008 (J)		
7/11/2017			<0.0005			<0.0005
7/12/2017		0.0003 (J)			<0.0005	
7/13/2017	<0.0005					
10/2/2017						<0.0005
10/3/2017	<0.0005		<0.0005			
10/4/2017		0.0002 (J)		0.0006 (J)	<0.0005	
1/9/2018						<0.0005
1/10/2018	<0.0005				<0.0005	
1/11/2018		0.0003 (J)	<0.0005	0.0006 (J)		
7/9/2018						6.2E-05 (J)
7/10/2018	<0.0005					
7/11/2018		0.0003 (J)	<0.0005	0.00061 (J)	5.8E-05 (J)	
3/26/2019					<0.0005	
7/30/2019	<0.0005					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/27/2019	<0.0005		<0.0005	0.00047 (J)	<0.0005	<0.0005
8/28/2019		0.00022 (J)				
10/8/2019			<0.0005		<0.0005	<0.0005
10/9/2019	<0.0005	0.00023 (J)		0.00046 (J)		
4/7/2020			<0.0005	0.00051 (J)		<0.0005
4/8/2020	8.8E-05 (J)	0.00019 (J)			<0.0005	
8/17/2020				0.00046 (J)	<0.0005	
8/18/2020	5.1E-05 (J)		<0.0005			<0.0005
8/19/2020		0.00022 (J)				
9/28/2020					<0.0005	
9/29/2020	7.5E-05 (J)		<0.0005	0.00043 (J)		<0.0005
10/1/2020		0.0002 (J)				
3/10/2021		0.00019 (J)	4.7E-05 (J)	0.00054		
3/15/2021	7.3E-05 (J)				<0.0005	
3/16/2021						<0.0005
9/21/2021			<0.0005	0.00047 (J)	<0.0005	
9/22/2021	<0.0005	0.00017 (J)				<0.0005
2/2/2022	<0.0005	0.00018 (J)				<0.0005
2/3/2022			<0.0005	0.00056	<0.0005	
8/30/2022				0.000663		<0.0005
8/31/2022			<0.0005		<0.0005	
9/1/2022	<0.0005	<0.0005				
2/1/2023		0.000215 (J)	<0.0005	0.000634	<0.0005	
2/2/2023	<0.0005					<0.0005
8/29/2023	<0.0005	<0.0005			<0.0005	
9/6/2023			<0.0005	0.000521		<0.0005
1/24/2024		<0.0005	<0.0005			
1/25/2024	<0.0005			0.000534	<0.0005	<0.0005
8/21/2024	<0.0005	0.00021 (J)	<0.0005	0.000587	<0.0005	<0.0005
1/28/2025			<0.0005			
1/29/2025	<0.0005	0.00024 (J)		0.000576	<0.0005	<0.0005
7/29/2025			<0.0005			
7/30/2025	<0.0005	0.000212 (J)		0.000339 (J)	<0.0005	<0.0005
1/27/2026			<0.0005			
1/28/2026	<0.0005	0.000288 (J)		0.000517	<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.0005	<0.0005	<0.0013			
11/21/2000	<0.0005	<0.0005	<0.0013			
1/20/2001	<0.0005	<0.0005	<0.0013			
3/14/2001	<0.0005	<0.0005	<0.0013			
7/16/2001	<0.0005	<0.0005	<0.0013			
11/1/2001	<0.0005	<0.0005	<0.0013			
4/25/2002	<0.0005	<0.0005	<0.0013			
9/11/2007		<0.0005				
9/12/2007	<0.0005		<0.0013			
11/6/2007	<0.0005	<0.0005	<0.0013			
1/16/2008	<0.0005	<0.0005	<0.0013			
3/11/2008		<0.0005				
3/12/2008	<0.0005					
3/13/2008			<0.0013			
6/4/2008			<0.0013			
6/5/2008	<0.0005	<0.0005				
7/31/2008	<0.0005	<0.0005	<0.0013			
8/31/2016						0.0002 (J)
9/1/2016	<0.0005	0.0001 (J)	0.0014 (J)	<0.0005	<0.0005	
10/25/2016	<0.0005	<0.0005		<0.0005	<0.0005	
10/26/2016			0.0016 (J)			0.0002 (J)
1/4/2017		9E-05 (J)		<0.0005	<0.0005	0.0001 (J)
1/5/2017	<0.0005		0.0019 (J)			
4/3/2017	<0.0005					
4/4/2017				<0.0005	<0.0005	
4/5/2017		9E-05 (J)	0.0024 (J)			
4/6/2017						<0.0005
7/11/2017	<0.0005			<0.0005		<0.0005
7/12/2017		<0.0005				
7/13/2017			0.0034		<0.0005	
10/2/2017	<0.0005			<0.0005		
10/3/2017		<0.0005			<0.0005	
10/4/2017			0.0037			0.0001 (J)
1/9/2018	<0.0005				<0.0005	
1/10/2018		0.0001 (J)		<0.0005		
1/11/2018			0.0033			<0.0005
7/9/2018				<0.0005		
7/10/2018	<0.0005	6E-05 (J)			<0.0005	
7/11/2018			0.0038			7E-05 (J)
8/27/2019	<0.0005					9E-05 (J)
8/28/2019		8E-05 (J)	0.0017 (J)	<0.0005	<0.0005	
10/8/2019	<0.0005	9.8E-05 (J)			<0.0005	
10/9/2019			0.0018 (J)	<0.0005		<0.0005
4/7/2020	<0.0005	<0.0005			<0.0005	<0.0005
4/8/2020			0.0017 (J)	<0.0005		
8/18/2020	<0.0005	6.8E-05 (J)	0.0016 (J)	<0.0005	<0.0005	7.6E-05 (J)
9/30/2020	<0.0005	8.9E-05 (J)	0.0013 (J)	<0.0005	<0.0005	<0.0005
3/10/2021						<0.0005
3/11/2021			0.0012			
3/12/2021	<0.0005			<0.0005		
3/16/2021		<0.0005			<0.0005	
9/21/2021						<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/22/2021		6E-05 (J)	0.0017	<0.0005	<0.0005	
9/23/2021	<0.0005					
2/1/2022		<0.0005	0.002	<0.0005	<0.0005	
2/3/2022	<0.0005					<0.0005
8/30/2022				<0.0005	<0.0005	
8/31/2022	<0.0005		0.00258			<0.0005
9/1/2022		<0.0005				
2/1/2023		<0.0005	0.00206	<0.0005		
2/2/2023	<0.0005				<0.0005	<0.0005
8/29/2023			0.00174			<0.0005
9/6/2023		<0.0005		<0.0005	<0.0005	
9/7/2023	<0.0005					
1/23/2024						<0.0005
1/24/2024	<0.0005		0.00158	<0.0005		
1/25/2024		<0.0005			<0.0005	
8/21/2024	<0.0005	<0.0005	0.00186	<0.0005		<0.0005
8/22/2024					<0.0005	
1/28/2025			0.00148			<0.0005
1/29/2025	<0.0005	<0.0005		<0.0005	<0.0005	
7/29/2025			0.00164	<0.0005		<0.0005
7/30/2025	<0.0005	<0.0005			<0.0005	
1/27/2026	<0.0005			<0.0005		
1/28/2026		<0.0005	0.00243		<0.0005	<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.0005	<0.0005	8.4E-05 (J)	0.0001 (J)
9/21/2021				7.3E-05 (J)
9/22/2021	<0.0005	<0.0005		
9/23/2021			<0.0005	
2/1/2022		<0.0005		
2/2/2022				8.8E-05 (J)
2/3/2022	<0.0005		<0.0005	
8/31/2022	<0.0005		<0.0005	
9/1/2022		<0.0005		
2/1/2023	<0.0005			
2/2/2023		<0.0005	<0.0005	
9/6/2023	<0.0005	<0.0005		
9/7/2023			<0.0005	
1/24/2024	<0.0005			
1/25/2024		<0.0005	<0.0005	<0.0005
8/20/2024				<0.0005
8/21/2024	<0.0005	<0.0005	<0.0005	
1/28/2025				<0.0005
1/29/2025	<0.0005	<0.0005	<0.0005	
7/29/2025	<0.0005			<0.0005
7/30/2025		<0.0005	<0.0005	
1/27/2026			<0.0005	
1/28/2026	<0.0005	<0.0005		<0.0005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		0.117		1.09	1.41	0.875
9/1/2016	11.6		6.48			
10/24/2016		0.126				
10/25/2016	21.4					1.22
10/26/2016			7.57	2.5	1.83	
1/3/2017		0.124		3.39		
1/4/2017						1.3
1/5/2017					3.07	
1/6/2017	20.1		8.34			
4/3/2017		0.105				
4/4/2017			8.18			1.19
4/6/2017	21.8			2.76	3.19	
7/11/2017		0.136				
7/12/2017			7.51	3.55	3.06	1.37
7/13/2017	16.3					
10/2/2017		0.107				
10/3/2017				2.72	2.69	0.765
10/4/2017	21.5		8.88			
1/9/2018	13.9	0.123			2.81	
1/10/2018				3.21		0.876
1/11/2018			6.95			
7/9/2018		0.11				
7/10/2018				7	2.9	0.94
7/11/2018	11.7		6.4			
1/16/2019	9.3	0.13	5.3	5	7.7	0.91
3/25/2019	8.5	0.098	4.4			
3/26/2019				4	7.4	0.77
10/7/2019		0.12				
10/8/2019	6.4					
10/9/2019			5.7	6.8	6.3	0.93
4/6/2020	6.1	0.14				
4/7/2020			5.5	4.6	5.6	1
9/28/2020	4.6	0.15				0.69
9/30/2020				4	4.2	
10/1/2020			5.2			
3/10/2021			4.9	3.9	6.9	0.63
3/11/2021	8					
3/12/2021		0.11				
9/21/2021	4.4	0.13	6.4	4.1	4.2	
9/23/2021						0.59
1/31/2022	3.9	0.13				
2/2/2022			6.2		6.2	
2/3/2022				4.9		0.59
8/30/2022	5.72	0.152	4.95	4.66	7.13	
9/1/2022						0.728
1/31/2023	5.72	0.177				
2/1/2023				6.19	8.23	
2/2/2023			5.35			0.599
8/28/2023	7.01	0.194				
8/29/2023			4.35	3.69	5.92	0.653
1/23/2024	10.4	0.195			6.94	0.568
2/7/2024			4.72			

Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
2/8/2024				9.21		
8/19/2024	10.5					
8/20/2024			6.51		6.7	0.854
8/21/2024		0.23		5.38		
1/27/2025		0.268				
1/28/2025	9.95		4.48		6.51	
1/29/2025				4.55		0.589
7/28/2025	11.2	0.28	5.53			
7/29/2025					5.27	0.449
7/30/2025				3.24		
1/27/2026	10.4	0.358	4.23			0.564
1/28/2026				3.41	6.84	

Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	0.0196 (J)	0.096 (J)	0.0688 (J)	5.1	0.261	
9/1/2016						0.071 (J)
10/25/2016						0.0819 (J)
10/26/2016	0.05 (J)		0.083 (J)	5.74	0.211	
10/27/2016		0.0281 (J)				
1/4/2017			0.0738	6.56		
1/5/2017	0.0162 (J)				0.179	0.0813
1/6/2017		0.0189 (J)				
4/4/2017	0.019 (J)					0.0723
4/5/2017				6.49		
4/6/2017		0.0181 (J)	0.0754		0.112	
7/10/2017				8.13		
7/11/2017			0.0614			0.0734
7/12/2017		0.0211 (J)			0.0882	
7/13/2017	0.023 (J)					
10/2/2017						0.0748
10/3/2017	0.0266 (J)		0.0838			
10/4/2017		0.0254 (J)		5.18	0.116	
1/9/2018						0.0679
1/10/2018	0.0203 (J)				0.101	
1/11/2018		0.018 (J)	0.169	5.16		
7/9/2018						0.061
7/10/2018	0.026 (J)					
7/11/2018		0.02 (J)	0.3	8.5	0.098	
1/16/2019					0.11	0.046
1/17/2019			0.065	7		
1/18/2019		0.018 (J)				
1/21/2019	0.018 (J)					
3/26/2019					0.35	0.037 (J)
3/27/2019		0.016 (J)	0.089	6.1		
7/30/2019	0.02 (J)					
10/8/2019			0.22		0.18	0.048
10/9/2019	0.024 (J)	0.019 (J)		8.2		
4/7/2020			0.67	5.3		0.061 (J)
4/8/2020	0.031 (J)	0.023 (J)			0.28	
9/28/2020					0.24	
9/29/2020	0.024 (J)		1.2	4.7		0.053
10/1/2020		0.028 (J)				
3/10/2021		0.022 (J)	1.8	6.1		
3/15/2021	0.084				0.31	
3/16/2021						0.08
9/21/2021			0.8	5.8	0.38	
9/22/2021	0.017 (J)	0.015 (J)				0.052
2/2/2022	0.023 (J)	0.011 (J)				0.044
2/3/2022			0.1	7.5	0.37	
8/30/2022				8.21		0.046
8/31/2022			1.65		0.231	
9/1/2022	0.0204	0.0187				
2/1/2023		0.0186	4.49	10.1	0.208	
2/2/2023	0.022					0.0451
8/29/2023	0.0163	0.016			0.296	
9/6/2023			4.44	9.02		0.0433

Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/24/2024		0.0175	2.36			
1/25/2024	0.0199			8.4	0.275	0.0439
8/21/2024	0.023	0.0193	0.668	9.95	0.233	0.0675
1/28/2025			2.08			
1/29/2025	0.0209	0.0177		8.33	0.252	0.0554
7/29/2025			1.59			
7/30/2025	0.0235	0.0191		6.57	0.238	0.0576
1/27/2026			3.91			
1/28/2026	0.0296 (J)	0.0235		6.51	0.262	0.0511

Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						12.8
9/1/2016	9.01 (O)	1.82	0.408	3.34	0.62	
10/25/2016	1.66	1.26		2.54	0.0658 (J)	
10/26/2016			0.5			9.81
1/4/2017		1.46		1.91	0.36	8.94
1/5/2017	1.1		0.676			
4/3/2017	1.21					
4/4/2017				2.77	0.509	
4/5/2017		2	0.69			
4/6/2017						0.733
7/11/2017	1.44			4.14		0.852
7/12/2017		2.95				
7/13/2017			0.888		0.126	
10/2/2017	1.59			4.65		
10/3/2017		4.15			0.1	
10/4/2017			1.02			6.05
1/9/2018	1.35				0.783	
1/10/2018		3.68		1.79		
1/11/2018			1.28			0.838
7/9/2018				1.7		
7/10/2018	1.2	5.2			0.5	
7/11/2018			1.6			3.2
1/16/2019			1.5			
1/17/2019	1.1	8.6			0.43	
1/18/2019						0.37
1/21/2019				1.1		
3/25/2019				1		
3/26/2019	0.95	7.4	1.2		0.61	
3/27/2019						0.37
10/8/2019	1.1	8.4			1	
10/9/2019			1.3	0.79		0.39
4/7/2020	0.96	10.5			0.24	3.1
4/8/2020			0.99	2.5		
9/30/2020	0.86	8.1	0.86	9.9	2.3	0.25
3/10/2021						0.32
3/11/2021			0.85			
3/12/2021	0.81			15.6		
3/16/2021		10			3.5	
9/21/2021						0.19
9/22/2021		11.5	1.4	11.3	0.095	
9/23/2021	0.72					
2/1/2022		16	1.8	15.7	4.4	
2/3/2022	0.71					0.18
8/30/2022				8.14	5.08	
8/31/2022	0.719		2.51			0.271
9/1/2022		15.9				
2/1/2023		17.1	1.83	11.9		
2/2/2023	0.679				5.15	0.302
8/29/2023			1.77			9.28
9/6/2023		20.4		11.3	5.6	
9/7/2023	0.747					
1/23/2024						0.173

Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/24/2024	0.743		1.57	3		
1/25/2024		20.9			6.05	
8/21/2024	0.785	22.6	1.66	10.1		0.179
8/22/2024					2.98	
1/28/2025			1.52			0.155
1/29/2025	0.845	30.2		17.1	10.4	
7/29/2025			1.32	18		8.01
7/30/2025	0.708	18.1			4.6	
1/27/2026	0.783			15.1		
1/28/2026		43.6	1.89		11.6	7.32

Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.013 (J)	0.013 (J)
1/21/2021	0.018 (J)	0.014 (J)		
3/11/2021	0.03 (J)	0.019 (J)	0.017 (J)	0.015 (J)
9/21/2021				0.025 (J)
9/22/2021	0.033 (J)	0.014 (J)		
9/23/2021			0.012 (J)	
2/1/2022		0.014 (J)		
2/2/2022				0.033 (J)
2/3/2022	0.03 (J)		0.013 (J)	
8/31/2022	0.0283		0.0166	
9/1/2022		0.0303		
2/1/2023	0.0272			
2/2/2023		0.0218	0.0181	
9/6/2023	0.0276	0.0168		
9/7/2023			0.015 (J)	
1/24/2024	0.0236			
1/25/2024		0.018	0.0155	0.0169
8/20/2024				0.0114 (J)
8/21/2024	0.0276	0.0176	0.0175	
1/28/2025				0.0195
1/29/2025	0.0252	0.0179	0.0173	
7/29/2025	0.0308			0.0309
7/30/2025		0.0214	0.0169	
1/27/2026			0.0177	
1/28/2026	0.0367	0.0219		0.0195

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
11/21/2000	<0.001		<0.001	<0.001	<0.001	<0.001
1/20/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/14/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/16/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2001	<0.001	<0.001				<0.001
11/2/2001			<0.001	<0.001	<0.001	
4/25/2002						<0.001
4/26/2002	<0.001	<0.001	<0.001	<0.001	<0.001	
9/11/2007		<0.001				
9/12/2007			<0.001	<0.001		<0.001
9/14/2007	<0.001				<0.001	
11/7/2007			<0.001	<0.001		<0.001
11/8/2007	<0.001	<0.001			<0.001	
1/17/2008			0.0013	<0.001	<0.001	<0.001
1/18/2008	<0.001	<0.001				
3/11/2008		<0.001				
3/12/2008			<0.001			<0.001
3/13/2008	<0.001			<0.001	<0.001	
6/4/2008	<0.001	<0.001		<0.001		<0.001
6/5/2008			<0.001		<0.001	
7/29/2008	<0.001	<0.001				
7/30/2008			<0.001	<0.001	<0.001	
7/31/2008						<0.001
8/30/2016		<0.001		<0.001	<0.001	<0.001
9/1/2016	0.0007 (J)		0.0002 (J)			
10/24/2016		<0.001				
10/25/2016	<0.001					<0.001
10/26/2016			<0.001	<0.001	<0.001	
1/3/2017		<0.001		<0.001		
1/4/2017						0.0001 (J)
1/5/2017					<0.001	
1/6/2017	0.0001 (J)		9E-05 (J)			
4/3/2017		<0.001				
4/4/2017			9E-05 (J)			7E-05 (J)
4/6/2017	<0.001			<0.001	<0.001	
7/11/2017		<0.001				
7/12/2017			<0.001	<0.001	<0.001	<0.001
7/13/2017	<0.001					
10/2/2017		<0.001				
10/3/2017				<0.001	<0.001	<0.001
10/4/2017	<0.001		<0.001			
1/9/2018	<0.001	<0.001			<0.001	
1/10/2018				<0.001		<0.001
1/11/2018			0.0002 (J)			
7/9/2018		<0.001				
7/10/2018				<0.001	<0.001	<0.001
7/11/2018	<0.001		<0.001			
1/16/2019						<0.001
8/26/2019	<0.001	<0.001				
8/27/2019			<0.001		<0.001	<0.001
8/28/2019				<0.001		
10/7/2019		<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
10/8/2019	<0.001					
10/9/2019			<0.001	<0.001	<0.001	<0.001
4/6/2020	<0.001	<0.001				
4/7/2020			<0.001	<0.001	<0.001	<0.001
8/17/2020		<0.001				
8/19/2020	<0.001		<0.001	<0.001	<0.001	<0.001
9/28/2020	<0.001	<0.001				<0.001
9/30/2020				<0.001	<0.001	
10/1/2020			<0.001			
3/10/2021			<0.001	<0.001	<0.001	<0.001
3/11/2021	<0.001					
3/12/2021		<0.001				
9/21/2021	<0.001	<0.001	<0.001	<0.001	<0.001	
9/23/2021						<0.001
1/31/2022	<0.001	<0.001				
2/2/2022			<0.001		<0.001	
2/3/2022				<0.001		<0.001
8/30/2022	<0.001	<0.001	<0.001	<0.001	<0.001	
9/1/2022						<0.001
1/31/2023	<0.001	<0.001				
2/1/2023				<0.001	<0.001	
2/2/2023			<0.001			<0.001
8/28/2023	<0.001	<0.001				
8/29/2023			0.000304 (J)	<0.001	<0.001	<0.001
1/23/2024	<0.001	<0.001			<0.001	<0.001
2/7/2024			<0.001			
2/8/2024				<0.001		
8/19/2024	<0.001					
8/20/2024			<0.001		<0.001	<0.001
8/21/2024		<0.001		<0.001		
1/27/2025		<0.001				
1/28/2025	<0.001		<0.001		<0.001	
1/29/2025				<0.001		<0.001
7/28/2025	<0.001	<0.001	<0.001			
7/29/2025					<0.001	<0.001
7/30/2025				<0.001		
1/27/2026	<0.001	<0.001	<0.001			<0.001
1/28/2026				<0.001	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
11/21/2000	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/20/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/14/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
7/16/2001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2001	<0.001		<0.001	<0.001	<0.001	<0.001
11/2/2001		<0.001				
4/25/2002	<0.001					<0.001
4/26/2002		<0.001	<0.001	<0.001	<0.001	
9/11/2007						<0.001
9/12/2007	<0.001					
9/13/2007		<0.001	<0.001	<0.001	<0.001	
11/6/2007	<0.001					<0.001
11/7/2007				<0.001	<0.001	
11/8/2007		<0.001	<0.001			
1/15/2008			<0.001	<0.001	<0.001	
1/16/2008	<0.001	<0.001				<0.001
3/11/2008				<0.001	<0.001	<0.001
3/12/2008	<0.001	<0.001				
3/13/2008			<0.001			
6/3/2008			<0.001	<0.001	<0.001	
6/4/2008		<0.001				
6/5/2008	<0.001					<0.001
7/29/2008		<0.001	<0.001			
7/30/2008				<0.001	<0.001	
7/31/2008	<0.001					<0.001
8/31/2016	<0.001	<0.001	0.0002 (J)	<0.001	<0.001	
9/1/2016						0.0001 (J)
10/25/2016						0.0002 (J)
10/26/2016	<0.001		0.0001 (J)	<0.001	<0.001	
10/27/2016		<0.001				
1/4/2017			0.0001 (J)	<0.001		
1/5/2017	<0.001				<0.001	0.0002 (J)
1/6/2017		<0.001				
4/4/2017	<0.001					0.0002 (J)
4/5/2017				<0.001		
4/6/2017		<0.001	0.0002 (J)		<0.001	
7/10/2017				<0.001		
7/11/2017			<0.001			0.0002 (J)
7/12/2017		<0.001			<0.001	
7/13/2017	<0.001					
10/2/2017						<0.001
10/3/2017	<0.001		0.0003 (J)			
10/4/2017		<0.001		<0.001	<0.001	
1/9/2018						<0.001
1/10/2018	<0.001				<0.001	
1/11/2018		<0.001	0.0006 (J)	<0.001		
7/9/2018						0.00017 (J)
7/10/2018	<0.001					
7/11/2018		<0.001	0.0004 (J)	<0.001	<0.001	
3/26/2019					<0.001	
7/30/2019	<0.001					
8/27/2019	<0.001		0.00044 (J)	<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2026 11:22 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/28/2019		<0.001				
10/8/2019			0.00043 (J)		<0.001	<0.001
10/9/2019	<0.001	<0.001		<0.001		
4/7/2020			0.00051 (J)	<0.001		<0.001
4/8/2020	<0.001	<0.001			<0.001	
8/17/2020				<0.001	<0.001	
8/18/2020	<0.001		0.00058 (J)			<0.001
8/19/2020		<0.001				
9/28/2020					<0.001	
9/29/2020	<0.001		0.00077 (J)	<0.001		0.00012 (J)
10/1/2020		<0.001				
3/10/2021		<0.001	0.0009	<0.001		
3/15/2021	<0.001				<0.001	
3/16/2021						<0.001
9/21/2021			0.00036 (J)	<0.001	<0.001	
9/22/2021	<0.001	<0.001				<0.001
2/2/2022	<0.001	<0.001				<0.001
2/3/2022			0.00019 (J)	<0.001	<0.001	
8/30/2022				<0.001		<0.001
8/31/2022			0.000431 (J)		<0.001	
9/1/2022	<0.001	<0.001				
2/1/2023		<0.001	0.000926 (J)	<0.001	<0.001	
2/2/2023	<0.001					<0.001
8/29/2023	<0.001	<0.001			<0.001	
9/6/2023			0.000563 (J)	<0.001		<0.001
1/24/2024		<0.001	0.000456 (J)			
1/25/2024	<0.001			<0.001	<0.001	<0.001
8/21/2024	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/28/2025			0.000415 (J)			
1/29/2025	<0.001	<0.001		<0.001	<0.001	<0.001
7/29/2025			0.000363 (J)			
7/30/2025	<0.001	<0.001		<0.001	<0.001	<0.001
1/27/2026			0.000573 (J)			
1/28/2026	<0.001	<0.001		<0.001	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
11/21/2000	<0.001	<0.001	<0.001			
1/20/2001	<0.001	<0.001	<0.001			
3/14/2001	<0.001	<0.001	<0.001			
7/16/2001	<0.001	<0.001	<0.001			
11/1/2001	<0.001	<0.001	<0.001			
4/25/2002	<0.001	<0.001	<0.001			
9/11/2007		<0.001				
9/12/2007	<0.001		<0.001			
11/6/2007	<0.001	<0.001	<0.001			
1/16/2008	<0.001	<0.001	<0.001			
3/11/2008		<0.001				
3/12/2008	<0.001					
3/13/2008			<0.001			
6/4/2008			<0.001			
6/5/2008	<0.001	<0.001				
7/31/2008	<0.001	<0.001	<0.001			
8/31/2016						8E-05 (J)
9/1/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
10/25/2016	<0.001	<0.001		<0.001	<0.001	
10/26/2016			<0.001			<0.001
1/4/2017		<0.001		<0.001	<0.001	0.0001 (J)
1/5/2017	<0.001		<0.001			
4/3/2017	<0.001					
4/4/2017				<0.001	<0.001	
4/5/2017		<0.001	<0.001			
4/6/2017						0.0001 (J)
7/11/2017	<0.001			<0.001		<0.001
7/12/2017		<0.001				
7/13/2017			<0.001		<0.001	
10/2/2017	<0.001			<0.001		
10/3/2017		<0.001			<0.001	
10/4/2017			<0.001			0.0002 (J)
1/9/2018	<0.001				<0.001	
1/10/2018		<0.001		<0.001		
1/11/2018			<0.001			0.0002 (J)
7/9/2018				<0.001		
7/10/2018	<0.001	<0.001			<0.001	
7/11/2018			<0.001			0.00023 (J)
8/27/2019	<0.001					<0.001
8/28/2019		<0.001	<0.001	<0.001	<0.001	
10/8/2019	<0.001	<0.001			<0.001	
10/9/2019			<0.001	<0.001		0.00012 (J)
4/7/2020	<0.001	<0.001			<0.001	0.00054 (J)
4/8/2020			<0.001	<0.001		
8/18/2020	<0.001	<0.001	<0.001	<0.001	<0.001	0.00024 (J)
9/30/2020	<0.001	<0.001	<0.001	<0.001	<0.001	0.00024 (J)
3/10/2021						<0.001
3/11/2021			<0.001			
3/12/2021	<0.001			0.00018 (J)		
3/16/2021		<0.001			<0.001	
9/21/2021						<0.001
9/22/2021		<0.001	<0.001	0.00013 (J)	<0.001	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/23/2021	<0.001					
2/1/2022		<0.001	<0.001	0.0002 (J)	<0.001	
2/3/2022	<0.001					<0.001
8/30/2022				<0.001	<0.001	
8/31/2022	<0.001		<0.001			<0.001
9/1/2022		<0.001				
2/1/2023		<0.001	<0.001	<0.001		
2/2/2023	<0.001				<0.001	<0.001
8/29/2023			<0.001			<0.001
9/6/2023		<0.001		0.000823 (J)	<0.001	
9/7/2023	<0.001					
1/23/2024						<0.001
1/24/2024	<0.001		<0.001	<0.001		
1/25/2024		<0.001			<0.001	
8/21/2024	<0.001	<0.001	<0.001	<0.001		<0.001
8/22/2024					<0.001	
1/28/2025			<0.001			<0.001
1/29/2025	<0.001	<0.001		<0.001	<0.001	
7/29/2025			<0.001	0.000661 (J)		<0.001
7/30/2025	<0.001	<0.001			<0.001	
1/27/2026	<0.001			<0.001		
1/28/2026		<0.001	<0.001		<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.001	<0.001	0.00019 (J)	0.00029 (J)
9/21/2021				<0.001
9/22/2021	0.00027 (J)	<0.001		
9/23/2021			<0.001	
2/1/2022		<0.001		
2/2/2022				<0.001
2/3/2022	<0.001		<0.001	
8/31/2022	<0.001		<0.001	
9/1/2022		<0.001		
2/1/2023	<0.001			
2/2/2023		<0.001	<0.001	
9/6/2023	<0.001	<0.001		
9/7/2023			<0.001	
1/24/2024	<0.001			
1/25/2024		<0.001	<0.001	0.000616 (J)
8/20/2024				<0.001
8/21/2024	<0.001	<0.001	<0.001	
1/28/2025				<0.001
1/29/2025	<0.001	<0.001	<0.001	
7/29/2025	<0.001			<0.001
7/30/2025		<0.001	<0.001	
1/27/2026			<0.001	
1/28/2026	<0.001	<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/11/2007		14				
9/12/2007			31	38		34
9/14/2007	4.8				2	
11/7/2007			28	44		32
11/8/2007	4.9	16			3.4	
1/17/2008			23	53	1.6	32
1/18/2008	4.7	18				
3/11/2008		18				
3/12/2008			26			40
3/13/2008	4.6			56	3.1	
6/4/2008	3.4	15		36		26
6/5/2008			20		1.9	
7/29/2008	3.6	16				
7/30/2008			18	50	1.5	
7/31/2008						26
8/30/2016		23.8		14.3	4.68	29.4
9/1/2016	5.59		9.91			
10/24/2016		22.5				
10/25/2016	6.43					28.3
10/26/2016			8.56	18.6	5.45	
1/3/2017		22.1		18.1		
1/4/2017						33.4
1/5/2017					5.35	
1/6/2017	8.13		8.18			
4/3/2017		24.6 (J)				
4/4/2017			8.12			34.6
4/6/2017	7.72			16.2	5.41	
7/11/2017		23.5				
7/12/2017			8	18.1	4.81	38
7/13/2017	4.57					
10/2/2017		22.7				
10/3/2017				15.2	5.17	25.5
10/4/2017	6.41		12.5			
1/9/2018	4.68	23.2			4.73	
1/10/2018				15.5		36.5
1/11/2018			12.9			
7/9/2018		24.6 (J)				
7/10/2018				30.6	4.5	45.5
7/11/2018	3.9		8.6			
1/16/2019	4.3	27.7	68.8	33.3	10.1	46.5
3/25/2019	3.9	31.7	55.6			
3/26/2019				36.1	9	46.3
10/7/2019		31.6				
10/8/2019	3.5					
10/9/2019			46.7	17.7	10.1	51.2
4/6/2020	3.1	35.8				
4/7/2020			62.1	34.1	7.8	31.1
9/28/2020	3.3	25.6				70.7
9/30/2020				70.4	27.5	
10/1/2020			48.4			
3/10/2021			263	134	55.9	67.2
3/11/2021	2.4					

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
3/12/2021		21.4				
9/21/2021	2.7	18.5	67.5	140	110	
9/23/2021						69.1
1/31/2022	3.4	17.2				
2/2/2022			98.2		293	
2/3/2022				130		58.2
8/30/2022	3.56	15	79.3	70.3	81.8	
9/1/2022						46.9
1/31/2023	3.33	14.8				
2/1/2023				38.3	60.4	
2/2/2023			91.8			35.2
8/28/2023	3.72	13.6				
8/29/2023			133	46.8	120	53.9
1/23/2024	3.56	16.6			66.8	47.2
2/7/2024			212			
2/8/2024				24.2		
8/19/2024	3.36					
8/20/2024			188		99.1	37.8
8/21/2024		18.6		30		
1/27/2025		18.7				
1/28/2025	3.33		224		57.5	
1/29/2025				78.6		60.2
7/28/2025	3.57	18.3	155			
7/29/2025					59.8	61.1
7/30/2025				102		
1/27/2026	3.92	17.9	170			59.6
1/28/2026				133	84.7	

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/11/2007						32
9/12/2007	0.11					
9/13/2007		3.2	1.1	34	2	
11/6/2007	0.11					41
11/7/2007				36	2.8	
11/8/2007		3.6	1.1			
1/15/2008			0.93	40	2.4	
1/16/2008	0.097	3.5				41
3/11/2008				36	2	26
3/12/2008	0.1	3.2				
3/13/2008			0.77			
6/3/2008			0.73	36	7.8	
6/4/2008		3.8				
6/5/2008	0.14					43
7/29/2008		3.8	0.6			
7/30/2008				41	5.7	
7/31/2008	0.11					9
8/31/2016	0.371 (J)	6.9	18.8	105	2.77	
9/1/2016						194
10/25/2016						100
10/26/2016	5.84		16.6	101	2.25	
10/27/2016		8.2				
1/4/2017			17.6	94.9		
1/5/2017	0.379 (J)				2.27	107
1/6/2017		7.97				
4/4/2017	0.993					153
4/5/2017				92.5		
4/6/2017		7.95	30.9		2.04	
7/10/2017				90.3		
7/11/2017			17.7			125
7/12/2017		8.37			2.25	
7/13/2017	0.388 (J)					
10/2/2017						126
10/3/2017	0.251 (J)		39.8			
10/4/2017		8.57		74.6	2.19	
1/9/2018						119
1/10/2018	0.177 (J)				2.28	
1/11/2018		9.78	65.6	78.1		
7/9/2018						123
7/10/2018	0.17 (J)					
7/11/2018		9.2	53	72.2	2.3	
1/16/2019					2.3	120
1/17/2019			19.8 (J)	64.7		
1/18/2019		8.1				
1/21/2019	0.19 (J)					
3/26/2019					2.4	84.2
3/27/2019		7.7	25.1	63.1		
7/30/2019	0.43					
10/8/2019			69.2		2.3	146
10/9/2019	0.18	6		54.2		
4/7/2020			84.7	52.1		135
4/8/2020	0.24 (J)	5.3			2.5	

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/28/2020					2.9	
9/29/2020	0.18 (J)		123	42		30.8
10/1/2020		5.5				
3/10/2021		5.3	126	53.1		
3/15/2021	0.22 (J)				2.4	
3/16/2021						34.4
9/21/2021			87	63.4	3.6	
9/22/2021	0.19 (J)	5				185
2/2/2022	0.16 (J)	4.6				245
2/3/2022			65.4	63.7	2.7	
8/30/2022				70.8		144
8/31/2022			115		2.54	
9/1/2022	0.236	5				
2/1/2023		4.44	187	67.5	2.89	
2/2/2023	0.143 (J)					137
8/29/2023	0.165 (J)	4.38			3.64	
9/6/2023			160	77.4		145
1/24/2024		4.4	128			
1/25/2024	0.17 (J)			78.5	4.19	107
8/21/2024	0.156 (J)	4.68	102	79.6	5.23	49.5
1/28/2025			125			
1/29/2025	0.144 (J)	4.74		65.4	6.01	163
7/29/2025			101			
7/30/2025	0.233	4.81		51.6	6.09	136
1/27/2026			161			
1/28/2026	0.162 (J)	5.02		57.8	7.53	153

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/11/2007		43				
9/12/2007	92		18			
11/6/2007	113	46	19			
1/16/2008	118	55	21			
3/11/2008		42				
3/12/2008	104					
3/13/2008			21			
6/4/2008			20			
6/5/2008	124	56				
7/31/2008	87	69	24			
8/31/2016						127
9/1/2016	119	93.8	71.9	67.2	40.5	
10/25/2016	106	94.1		50.1	3.91	
10/26/2016			80.3			127
1/4/2017		88.2		80.4	15.2	113
1/5/2017	115		94.4			
4/3/2017	131					
4/4/2017				108	32.3	
4/5/2017		106	104			
4/6/2017						42.7
7/11/2017	155			136		46
7/12/2017		149				
7/13/2017			124		8.92	
10/2/2017	137			105		
10/3/2017		217			7.88	
10/4/2017			136			115
1/9/2018	135				40.5	
1/10/2018		161		60.1		
1/11/2018			139			47.6
7/9/2018				75.9		
7/10/2018	129	205			29.8	
7/11/2018			122			73.7
1/16/2019			80.5			
1/17/2019	137	187			27.6	
1/18/2019						30.6
1/21/2019				60		
3/25/2019				74.8		
3/26/2019	124	204	68.8		60.1	
3/27/2019						28.8
10/8/2019	129	205			49.5	
10/9/2019			56.6	80.1		30.1
4/7/2020	129	225			12.5	65.7
4/8/2020			53.1	175		
9/30/2020	109	177	53.5	292	98.4	20.9
3/10/2021						18.7
3/11/2021			67			
3/12/2021	101			241		
3/16/2021		188			104	
9/21/2021						15.3
9/22/2021		267	94.6	266	5.8	
9/23/2021	146					
2/1/2022		267	90.8	259	125	

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/3/2022	144					14.6
8/30/2022				193	131	
8/31/2022	135		102			23.2
9/1/2022		255				
2/1/2023		294	86.8	183		
2/2/2023	131				123	21.6
8/29/2023			86.5			147
9/6/2023		311		151	142	
9/7/2023	142					
1/23/2024						15.1
1/24/2024	141		88.7	134		
1/25/2024		280			150	
8/21/2024	135	232	78.9	169		13.3
8/22/2024					85	
1/28/2025			83.7			12.4
1/29/2025	151	295		265	171	
7/29/2025			81.7	246		114
7/30/2025	137	191			93.3	
1/27/2026	176			285		
1/28/2026		334	104		199	87.9

Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			4.9	4.1
1/21/2021	4.4	2.8		
3/11/2021	12.4	5.4	4.7	3.1
9/21/2021				2.5
9/22/2021	14.9	4.7		
9/23/2021			3.4	
2/1/2022		3.7		
2/2/2022				2.3
2/3/2022	11.6		3	
8/31/2022	10.3		3.38	
9/1/2022		2.75		
2/1/2023	8.46			
2/2/2023		2.5	3.09	
9/6/2023	8.49	2.96		
9/7/2023			3.17	
1/24/2024	6.96			
1/25/2024		2.65	3.5	2.9
8/20/2024				2.31
8/21/2024	8.39	2.54	3.06	
1/28/2025				2.33
1/29/2025	6.77	2.51	3.12	
7/29/2025	6.93			2.35
7/30/2025		2.19	3.07	
1/27/2026			3.41	
1/28/2026	7.18	2.34		2.42

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/11/2007		16.6				
9/12/2007			369	50.5		24.9
9/14/2007	73.6				26.1	
11/7/2007			353	47.7		24.6
11/8/2007	79.4	18.3			24.4	
1/17/2008			327	45.2	21.2	22
1/18/2008	85.1	19.5				
3/11/2008		15.6				
3/12/2008			351			20.3
3/13/2008	84.3			44.5	24.2	
6/4/2008	69	16.7		40.2		18.3
6/5/2008			259		24	
7/29/2008	83.9	16.9				
7/30/2008			224	38.4	21.1	
7/31/2008						22.7
8/30/2016		15		31	60	5.5
9/1/2016	190		160			
10/24/2016		13				
10/25/2016	150					5.1
10/26/2016			110	24	67	
1/3/2017		13		29		
1/4/2017						6.9
1/5/2017					70	
1/6/2017	180		67			
4/3/2017		14				
4/4/2017			80			6.5
4/6/2017	200			27	76	
7/11/2017		13				
7/12/2017			120	31	64	6.5
7/13/2017	200					
10/2/2017		15				
10/3/2017				27	73	4.5
10/4/2017	260		130			
1/9/2018	210	13			61	
1/10/2018				59		6.9
1/11/2018			60			
7/9/2018		15.4				
7/10/2018				172	60.2	6.2
7/11/2018	177		75.9			
1/16/2019	165	16	20.2	49.7	54.1	6.6
3/25/2019	147	17.7	19.7			
3/26/2019				47.9	51.8	7
10/7/2019		18				
10/8/2019	125					
10/9/2019			32.1	239	49.7	7.2
4/6/2020	30.2	13.5				
4/7/2020			14.5	44.3	56.4	7.7
9/28/2020	113	13.7				13.8
9/30/2020				24.1	53.9	
10/1/2020			15.7			
3/10/2021			16	25.7	42.4	8.5
3/11/2021	96.7					

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
3/12/2021		14.1				
9/21/2021	92.2	12.2	13.9	38.8	53.8	
9/23/2021						8.8
1/31/2022	83.4	11.2				
2/2/2022			14.5		42.3	
2/3/2022				38.5		8
8/30/2022	74.4	9.93	65	76.8	52	
9/1/2022						9.17
1/31/2023	70.1	11				
2/1/2023				172	51.6	
2/2/2023			82.4			6.47
8/28/2023	91.9	10.1				
8/29/2023			66	61.8	53.2	7.48
1/23/2024	105	13.4			55.4	6.4
1/24/2024				279		
1/25/2024			110			
2/7/2024			92.1			
2/8/2024				251		
8/19/2024	86.5					
8/20/2024			114		53	8.85
8/21/2024		18.2		138		
1/27/2025		26.1				
1/28/2025	95.9		101		63.4	
1/29/2025				73.8		4.43
7/28/2025	80.4	17.4	146			
7/29/2025					63.6	4.59
7/30/2025				41.6		
1/27/2026	74.3	17	101			5.71
1/28/2026				58	53.6	

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/11/2007						7.52
9/12/2007	5.88					
9/13/2007		11.8	5.64	108	15.2	
11/6/2007	6.97					7.73
11/7/2007				112	8.56	
11/8/2007		11.8	5.61			
1/15/2008			5.39	103	12.2	
1/16/2008	6.6	11.1				23.5
3/11/2008				109	12.2	7.6
3/12/2008	7.97	10.6				
3/13/2008			4.75			
6/3/2008			4.86	95.3	17.8	
6/4/2008		10.9				
6/5/2008	8.06					6.5
7/29/2008		11	5.17			
7/30/2008				98.3	16.5	
7/31/2008	7.29					7.43
8/31/2016	7.8	17	3.5	210	4.3	
9/1/2016						60
10/25/2016						36
10/26/2016	12		2.5	200	4.9	
10/27/2016		17				
1/4/2017			3.8	160		
1/5/2017	7.4				4.1	37
1/6/2017		16				
4/4/2017	8.7					47
4/5/2017				140		
4/6/2017		17	7.1		3.7	
7/10/2017				88		
7/11/2017			3.1			34
7/12/2017		18			2.6	
7/13/2017	8.3					
10/2/2017						34
10/3/2017	9		46			
10/4/2017		18		100	3	
1/9/2018						24
1/10/2018	8.2				3.4	
1/11/2018		16	100	78		
7/9/2018						25.9
7/10/2018	7.3					
7/11/2018		16.2	53.7	66.9	3.2	
1/16/2019					3.8	29.2
1/17/2019			6.6	52		
1/18/2019		17.5				
1/21/2019	6.9					
3/26/2019					3.2	21.1
3/27/2019		18.9	11.9	45.6		
7/30/2019	7.1					
10/8/2019			89		4	40.2
10/9/2019	7	19		44.1		
4/7/2020			103	32.5		41.6
4/8/2020	5.2	16.9			4.5	

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/28/2020					4.3	
9/29/2020	5.4		143	24.3		10.6
10/1/2020		16.8				
3/10/2021		18.3	188	48.7		
3/15/2021	6.4				7.6	
3/16/2021						15.8
9/21/2021			103	63.8	7.9	
9/22/2021	7.4	19.3				28
2/2/2022	6.9	17.5				29.6
2/3/2022			83.4	57	8.8	
8/30/2022				58.4		26.7
8/31/2022			110		6.69	
9/1/2022	6.59	17.6				
2/1/2023		18.8	138	64.5	6.17	
2/2/2023	5.42					18.2
8/29/2023	4.97	21.1			7.34	
9/6/2023			98	74.1		22.7
1/24/2024		22.4	75.6			
1/25/2024	5.09			84.4	7.26	18.5
8/21/2024	5.61	24	48.9	117	6.83	24.3
1/28/2025			94.2			
1/29/2025	4.36	27.9		61.6	5.36	42.1
7/29/2025			75.2			
7/30/2025	3.72	22.5		52.3	4.46	37.1
1/27/2026			98.3			
1/28/2026	3.32	21.4		43.8	4.59	19.5

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/11/2007		20.9				
9/12/2007	7.64		85.6			
11/6/2007	6.5	25.9	92.4			
1/16/2008	4.92	7.41	91.3			
3/11/2008		27				
3/12/2008	6.28					
3/13/2008			87.4			
6/4/2008			104			
6/5/2008	6.16	36.5				
7/31/2008	5.98	56.7	66.1			
8/31/2016						320
9/1/2016	10	43	610	16	5.9	
10/25/2016	6.5	34		8.1	4.4	
10/26/2016			570			450
1/4/2017		29		13	7.7	330
1/5/2017	10		710			
4/3/2017	7.3					
4/4/2017				23	8	
4/5/2017		36	860			
4/6/2017						50
7/11/2017	5.7			31		70
7/12/2017		44				
7/13/2017			860		5.4	
10/2/2017	4.4			30		
10/3/2017		58			4.4	
10/4/2017			1000			360
1/9/2018	5.7				4.4	
1/10/2018		36		9.7		
1/11/2018			940			74
7/9/2018				10.8		
7/10/2018	3.1	57			6.3	
7/11/2018			864			164
1/16/2019			469			
1/17/2019	3.2	48.9			5.4	
1/18/2019						11
1/21/2019				5.1		
3/25/2019				9.4		
3/26/2019	3	5.1	439		11.9	
3/27/2019						11.5
10/8/2019	2.9	46.4			7.8	
10/9/2019			330	5.4		25.3
4/7/2020	3.4	49.3			4.7	146
4/8/2020			277	20.2		
9/30/2020	1.7	39.6	257	34.9	23.7	8.5
3/10/2021						48.2
3/11/2021			334			
3/12/2021	2.3			31.9		
3/16/2021		44.9			25.3	
9/21/2021						9.4
9/22/2021		55.8	517	38.9	6	
9/23/2021	7.1					
2/1/2022		61.5	549	33.4	29.3	

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/3/2022	5.1					10.8
8/30/2022				24.4	29.4	
8/31/2022	4.83		694			51.2
9/1/2022		57.2				
2/1/2023		47.1	470	15.3		
2/2/2023	4.69				23.3	18.2
8/29/2023			476			521
9/6/2023		45.9		12.2	24.5	
9/7/2023	4.46					
1/23/2024						9.89
1/24/2024	5.13		476	7.57		
1/25/2024		39.1			23.4	
8/21/2024	5.49	34.8	479	13.1		10.5
8/22/2024					15.8	
1/28/2025			435			7.54
1/29/2025	7.14	49.8		17.5	35.2	
7/29/2025			428	17.5		394
7/30/2025	5.71	40.8			17.6	
1/27/2026	5.81			22.2		
1/28/2026		65.7	605		32.6	281

Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			6.1	6.9
1/21/2021	6.1	6.1		
3/11/2021	9.9	6	6.4	7
9/21/2021				6.7
9/22/2021	7.1	4.9		
9/23/2021			5.5	
2/1/2022		5.4		
2/2/2022				6.6
2/3/2022	7.5		6.3	
8/31/2022	7.84		6.6	
9/1/2022		6.3		
2/1/2023	7.71			
2/2/2023		6.04	6.24	
9/6/2023	7.65	5.82		
9/7/2023			6.19	
1/24/2024	7.94			
1/25/2024		5.7	5.87	6.71
8/20/2024				6.92
8/21/2024	9.04	6.37	6.61	
1/28/2025				6.59
1/29/2025	7.59	6.02	6.16	
7/29/2025	8.11			6.72
7/30/2025		6.11	6.07	
1/27/2026			5.82	
1/28/2026	7.27	5.77		6.61

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.05	<0.01	0.021	0.03	0.016	<0.01
11/21/2000	<0.05		0.017	<0.01	0.023	<0.01
1/20/2001	<0.05	<0.01	0.03	0.028	0.025	<0.01
3/14/2001	<0.05	<0.01	0.019	0.052	0.021	<0.01
7/16/2001	<0.05	<0.01	0.029	0.08	0.019	<0.01
11/1/2001	<0.05	<0.01				<0.01
11/2/2001			0.021	0.13 (O)	0.022	
4/25/2002						<0.01
4/26/2002	<0.05	<0.01	0.03	0.021	0.019	
11/20/2002			0.038	0.053	0.024	<0.01
11/21/2002		0.0051				
6/6/2003	0.037	0.014	0.028	0.064	0.021	0.005
12/12/2003	0.0044	0.011	0.027	<0.01	0.0066	
12/17/2003						<0.01
5/26/2004	<0.05	<0.01	0.021	0.012	0.013	<0.01
12/8/2004	<0.05	<0.01				<0.01
12/10/2004			0.016	0.019	0.013	
6/21/2005	<0.05	<0.01	0.015	0.02	0.0067	<0.01
12/3/2005	<0.05	<0.01				
12/4/2005						0.002
12/5/2005			0.022	<0.01	0.0033	
4/4/2006		<0.01				
6/27/2006	<0.05	<0.01	0.027	0.0015		<0.01
6/29/2006					0.0047	
8/30/2006		<0.01				
12/3/2006	0.0015	<0.01				
12/4/2006			0.025	0.0034	0.0084	<0.01
2/15/2007		<0.01				
6/23/2007	<0.05	<0.01	0.023	<0.01	0.01	<0.01
9/11/2007		<0.01				
9/12/2007			0.017	<0.01		<0.01
9/14/2007	0.0023				0.0062	
11/7/2007			0.022	<0.01		<0.01
11/8/2007	0.003	<0.01			0.01	
12/11/2007	0.0016	<0.01			0.0049	
12/12/2007			0.018	<0.01		<0.01
1/17/2008			0.019	<0.01	0.007	<0.01
1/18/2008	0.002	<0.01				
3/11/2008		<0.01				
3/12/2008			0.014			<0.01
3/13/2008	0.0018			<0.01	0.0072	
6/4/2008	0.0037	<0.01		<0.01		0.0014
6/5/2008			0.021		0.0062	
6/23/2008	0.0019	<0.01				
6/24/2008			0.022	<0.01	0.032 (O)	<0.01
7/29/2008	0.0026	<0.01				
7/30/2008			0.02	0.0024	0.0098	
7/31/2008						<0.01
11/3/2008		<0.01				
12/4/2008	<0.05	<0.01				
12/5/2008			0.023	0.0016	0.009	<0.01
3/25/2009		<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	0.0037	<0.01	0.012	<0.01	0.0044	0.0013
9/14/2009		<0.01				
12/20/2009	0.0016	<0.01				<0.01
12/21/2009			0.019	<0.01	0.0055	
3/4/2010		<0.01				
6/20/2010	<0.05	<0.01		<0.01	0.002	<0.01
6/21/2010			0.01			
9/14/2010		<0.01				
1/6/2011				0.0017		<0.01
1/7/2011	0.0033	<0.01	0.023		0.0039	
4/15/2011		<0.01				
7/7/2011	0.0044	<0.01		0.008	0.0031	<0.01
7/8/2011			0.017			
9/25/2011		0.0021				
1/17/2012	0.0038	<0.01		0.0082		<0.01
1/18/2012			0.0114		0.0023	
4/4/2012		<0.01				
7/9/2012	0.022			0.01		<0.01
7/10/2012		<0.01	0.014		0.0022	
10/9/2012		<0.01				
1/17/2013				0.01		<0.01
1/18/2013	0.034	<0.01	0.015		<0.0013	
4/5/2013		<0.01				
7/16/2013				0.0061		<0.01
7/17/2013	0.032	<0.01	0.011		<0.0013	
10/11/2013		<0.01				
1/13/2014	0.04			0.002		<0.01
1/14/2014		<0.01	0.019		0.0012 (J)	
4/3/2014		<0.01				
7/9/2014	0.036	<0.01	0.012	<0.01	<0.0013	0.0011 (J)
10/24/2014		<0.01				
1/12/2015			0.016			
1/13/2015	0.03			<0.01		<0.01
1/14/2015		<0.01			0.0015	
5/10/2015		<0.01				
7/16/2015	0.039		0.0084	<0.01		0.0011 (J)
7/17/2015		<0.01			0.0011 (J)	
10/6/2015		<0.01				
1/17/2016						<0.01
1/18/2016	0.068	<0.01	0.014	<0.01	0.0011 (J)	
4/26/2016		<0.01				
7/27/2016	0.05 (J)			0.0006 (J)		0.0016 (J)
7/28/2016		<0.01			0.001 (J)	
7/29/2016			0.0077 (J)			
8/30/2016		<0.01		<0.01	0.0013 (J)	0.0015 (J)
9/1/2016	0.119 (O)		0.015			
10/24/2016		<0.01				
10/25/2016	0.0519					0.0018 (J)
10/26/2016			0.0106	<0.01	0.0014 (J)	
1/3/2017		<0.01		0.001 (J)		
1/4/2017						0.0021 (J)
1/5/2017					0.002 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0536		0.0098 (J)			
4/3/2017		0.0004 (J)				
4/4/2017			0.0101			0.002 (J)
4/6/2017	0.0447 (J)			0.0013 (J)	0.0034 (J)	
7/11/2017		0.0006 (J)				
7/12/2017			0.0096 (J)	0.0011 (J)	0.0024 (J)	0.0021 (J)
7/13/2017	0.0269					
10/2/2017		<0.01				
10/3/2017				0.0012 (J)	0.0022 (J)	0.0014 (J)
10/4/2017	0.0378		0.0097 (J)			
1/9/2018	0.0283 (J)	<0.01			0.0019 (J)	
1/10/2018				0.0016 (J)		0.0017 (J)
1/11/2018			0.0109			
7/9/2018		<0.01				
7/10/2018				0.0055 (J)	0.0023 (J)	0.0021 (J)
7/11/2018	0.018 (J)		0.0055 (J)			
1/16/2019	0.018 (J)	<0.01	0.0024 (J)	<0.01	0.018 (J)	0.0021 (J)
3/25/2019	0.017 (J)	<0.01	0.002 (J)			
3/26/2019				0.072	0.017 (J)	0.0018 (J)
8/26/2019	0.024 (J)	0.001 (J)				
8/27/2019			0.0027 (J)		0.0097 (J)	0.0062 (J)
8/28/2019				0.0071 (J)		
10/7/2019		0.00052 (J)				
10/8/2019	0.021 (J)					
10/9/2019			0.002 (J)	0.012 (J)	0.011 (J)	0.0019 (J)
4/6/2020	0.015 (J)	<0.01				
4/7/2020			0.0028 (J)	0.0022 (J)	0.0094 (J)	0.0015 (J)
8/17/2020		0.00082 (J)				
8/19/2020	0.015 (J)		0.0022 (J)	0.0012 (J)	0.0037 (J)	0.0028 (J)
9/28/2020	0.014 (J)	0.00071 (J)				0.0024 (J)
9/30/2020				0.0018 (J)	0.0045 (J)	
10/1/2020			0.002 (J)			
3/10/2021			0.003 (J)	0.001 (J)	0.006	0.0023 (J)
3/11/2021	0.02 (J)					
3/12/2021		0.00074 (J)				
9/21/2021	0.013 (J)	<0.01	0.0018 (J)	<0.01	0.0035 (J)	
9/23/2021						0.0023 (J)
1/31/2022	0.015 (J)	<0.01				
2/2/2022			0.003 (J)		0.0033 (J)	
2/3/2022				0.0014 (J)		0.0019 (J)
8/30/2022	0.0129	<0.01	<0.01	<0.01	0.00356 (J)	
9/1/2022						<0.01
1/31/2023	0.0112	<0.01				
2/1/2023				0.00655 (J)	0.00365 (J)	
2/2/2023			0.00502 (J)			<0.01
8/28/2023	0.0139	<0.01				
8/29/2023			0.00389 (J)	<0.01	0.00349 (J)	0.00337 (J)
1/23/2024	<0.05	<0.01			0.00402 (J)	<0.01
2/7/2024			0.00352 (J)			
2/8/2024				0.0147		
8/19/2024	0.0123					
8/20/2024			0.00544 (J)		0.00339 (J)	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.01		0.00542 (J)		
1/27/2025		<0.01				
1/28/2025	0.0152		0.00332 (J)		0.0038 (J)	
1/29/2025				<0.01		<0.01
7/28/2025	0.0147	<0.01	0.00648 (J)			
7/29/2025					0.00477 (J)	0.0032 (J)
7/30/2025				<0.01		
1/27/2026	0.0173	<0.01	0.0056 (J)			<0.01
1/28/2026				<0.01	0.00499 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.01	<0.01	<0.01	<0.01	<0.01
11/21/2000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1/20/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/14/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
7/16/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2001	<0.01		<0.01	<0.01	<0.01	<0.01
11/2/2001		<0.01				
4/25/2002	<0.01					<0.01
4/26/2002		<0.01	<0.01	<0.01	<0.01	
11/21/2002		0.014	0.006			0.014
11/22/2002	<0.01			0.002	<0.01	
6/6/2003	<0.01					<0.01
6/7/2003		<0.01	0.0082	<0.01	0.003	
12/12/2003	<0.01	<0.01	0.0023	<0.01	<0.01	<0.01
5/27/2004	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
12/8/2004	<0.01			<0.01		<0.01
12/9/2004		0.0039	<0.01		<0.01	
6/22/2005		0.002	<0.01	<0.01	<0.01	
6/23/2005	<0.01					<0.01
12/3/2005	<0.01					<0.01
12/4/2005			<0.01			
12/5/2005		<0.01		<0.01	<0.01	
4/4/2006						<0.01
6/28/2006			<0.01			
6/29/2006	<0.01	<0.01		<0.01	<0.01	<0.01
8/30/2006						<0.01
12/3/2006		0.0019	0.0021	0.0032	0.0017	
12/4/2006	<0.01					0.0042
2/15/2007						<0.01
6/23/2007	<0.01	0.0015	0.0017	<0.01	<0.01	<0.01
9/11/2007						<0.01
9/12/2007	<0.01					
9/13/2007		0.0016	0.0014	0.0026	0.0013	
11/6/2007	<0.01					<0.01
11/7/2007				0.0014	<0.01	
11/8/2007		0.0014	<0.01			
12/11/2007		<0.01	<0.01	<0.01	<0.01	
12/12/2007	<0.01					<0.01
1/15/2008			<0.01	<0.01	0.0014	
1/16/2008	<0.01	0.0015				<0.01
3/11/2008				0.003	<0.01	<0.01
3/12/2008	<0.01	<0.01				
3/13/2008			<0.01			
6/3/2008			<0.01	<0.01	<0.01	
6/4/2008		0.0027				
6/5/2008	<0.01					0.0038
6/23/2008		0.0015	<0.01	0.0016	<0.01	
6/24/2008	<0.01					<0.01
7/29/2008		<0.01	<0.01			
7/30/2008				0.0014	<0.01	
7/31/2008	<0.01					<0.01
11/3/2008						<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/25/2009						<0.01
7/8/2009	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/14/2009						<0.01
12/20/2009	<0.01					<0.01
12/21/2009		<0.01	<0.01	<0.01	<0.01	
3/4/2010						<0.01
6/20/2010	<0.01	0.0015	<0.01	<0.01	<0.01	<0.01
9/14/2010						<0.01
1/6/2011	<0.01		<0.01		<0.01	
1/7/2011		<0.01		<0.01		0.0016
4/15/2011						0.0034
7/7/2011	<0.01		0.0023	<0.01	0.0019	<0.01
7/8/2011		<0.01				
9/25/2011						0.0013
1/17/2012	<0.01		<0.01	<0.01	<0.01	<0.01
1/18/2012		<0.01				
4/4/2012						<0.01
7/9/2012	<0.01		0.0017	<0.01	<0.01	<0.01
7/10/2012		<0.01				
10/9/2012						0.0019
1/17/2013	<0.01		<0.01	<0.01	<0.01	
1/18/2013		<0.01				0.0017
4/5/2013						0.0019
7/16/2013			<0.01	<0.01	<0.01	
7/17/2013	<0.01	<0.01				0.0017
10/11/2013						0.0013
1/13/2014	<0.01		<0.01	<0.01	<0.01	
1/14/2014		<0.01				0.0014
4/3/2014						0.0031
7/8/2014			<0.01	<0.01	<0.01	
7/9/2014	<0.01	0.0011 (J)				0.0012 (J)
10/24/2014						<0.01
1/13/2015	<0.01		<0.01	<0.01	<0.01	
1/14/2015		<0.01				0.0013
5/10/2015						<0.01
7/16/2015	<0.01		<0.01	0.001 (J)	<0.01	
7/17/2015		0.0013				0.001 (J)
10/6/2015						<0.01
1/17/2016	<0.01					0.0012 (J)
1/18/2016		<0.01		<0.01	<0.01	
1/19/2016			<0.01			
4/26/2016						<0.01
7/26/2016			0.0005 (J)		<0.01	
7/27/2016	0.0008 (J)			0.0014 (J)		0.0008 (J)
7/28/2016		0.0011 (J)				
8/31/2016	<0.01	0.0024 (J)	0.001 (J)	0.0012 (J)	0.0011 (J)	
9/1/2016						0.0015 (J)
10/25/2016						<0.01
10/26/2016	0.001 (J)		<0.01	0.0012 (J)	<0.01	
10/27/2016		<0.01				
1/4/2017			<0.01	0.0012 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.01				<0.01	0.001 (J)
1/6/2017		<0.01				
4/4/2017	0.0008 (J)					0.001 (J)
4/5/2017				0.0013 (J)		
4/6/2017		0.0019 (J)	0.0007 (J)		0.0011 (J)	
7/10/2017				0.0014 (J)		
7/11/2017			0.0006 (J)			0.0008 (J)
7/12/2017		0.0011 (J)			0.0007 (J)	
7/13/2017	0.0006 (J)					
10/2/2017						0.0009 (J)
10/3/2017	<0.01		0.0007 (J)			
10/4/2017		0.0011 (J)		0.0011 (J)	0.0008 (J)	
1/9/2018						0.0006 (J)
1/10/2018	<0.01				0.0007 (J)	
1/11/2018		0.001 (J)	0.0098 (J)	0.001 (J)		
7/9/2018						<0.01
7/10/2018	<0.01					
7/11/2018		<0.01	<0.01	<0.01	0.0019 (J)	
1/16/2019					<0.01	<0.01
1/17/2019			<0.01	0.0028 (J)		
1/18/2019		<0.01				
1/21/2019	<0.01					
3/26/2019					<0.01	<0.01
3/27/2019		<0.01	<0.01	<0.01		
7/30/2019	0.00065 (J)					
8/27/2019	<0.01		0.00092 (J)	0.00085 (J)	<0.01	0.001 (J)
8/28/2019		0.00089 (J)				
10/8/2019			0.00091 (J)		<0.01	0.00053 (J)
10/9/2019	0.00049 (J)	0.0009 (J)		0.00081 (J)		
4/7/2020			0.00094 (J)	0.00082 (J)		0.00074 (J)
4/8/2020	0.00069 (J)	0.0015 (J)			0.00058 (J)	
8/17/2020				0.001 (J)	0.00077 (J)	
8/18/2020	<0.01		0.0015 (J)			0.00059 (J)
8/19/2020		0.0013 (J)				
9/28/2020					0.00062 (J)	
9/29/2020	<0.01		0.0011 (J)	0.00085 (J)		<0.01
10/1/2020		0.0012 (J)				
3/10/2021		0.0011 (J)	0.0013 (J)	0.00091 (J)		
3/15/2021	0.0011 (J)				<0.01	
3/16/2021						<0.01
9/21/2021			<0.01	<0.01	<0.01	
9/22/2021	<0.01	<0.01				<0.01
2/2/2022	<0.01	0.0012 (J)				<0.01
2/3/2022			0.0011 (J)	0.0018 (J)	<0.01	
8/30/2022				<0.01		<0.01
8/31/2022			<0.01		<0.01	
9/1/2022	<0.01	<0.01				
2/1/2023		<0.01	<0.01	<0.01	<0.01	
2/2/2023	<0.01					<0.01
8/29/2023	<0.01	<0.01			<0.01	
9/6/2023			<0.01	<0.01		<0.01
1/24/2024		<0.01	<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.01			<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1/28/2025			<0.01			
1/29/2025	<0.01	<0.01		<0.01	<0.01	<0.01
7/29/2025			<0.01			
7/30/2025	<0.01	<0.01		<0.01	<0.01	<0.01
1/27/2026			<0.01			
1/28/2026	<0.01	<0.01		<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.01	<0.01	<0.01			
11/21/2000	<0.01	<0.01	<0.01			
1/20/2001	<0.01	<0.01	<0.01			
3/14/2001	<0.01	<0.01	<0.01			
7/16/2001	<0.01	<0.01	<0.01			
11/1/2001	<0.01	<0.01	<0.01			
4/25/2002	<0.01	<0.01	<0.01			
11/21/2002	0.0058	0.0041	<0.01			
6/6/2003	0.0068	0.063 (O)	<0.01			
12/12/2003	0.0041	0.0059	0.036 (O)			
5/26/2004	<0.01	<0.01				
5/27/2004			<0.01			
12/8/2004	0.0026	<0.01	0.0021			
6/21/2005		<0.01				
6/23/2005	<0.01		<0.01			
12/3/2005	<0.01					
12/4/2005		<0.01				
12/5/2005			<0.01			
4/4/2006		<0.01				
6/29/2006	0.0013	<0.01	<0.01			
8/30/2006		<0.01				
12/4/2006	<0.01	0.0036	<0.01			
2/15/2007		<0.01				
6/23/2007	<0.01	0.0016	<0.01			
9/11/2007		<0.01				
9/12/2007	<0.01		<0.01			
11/6/2007	0.0014	<0.01	<0.01			
12/12/2007	<0.01	<0.01	<0.01			
1/16/2008	<0.01	0.0048	0.0018			
3/11/2008		<0.01				
3/12/2008	<0.01					
3/13/2008			<0.01			
6/4/2008			<0.01			
6/5/2008	<0.01	<0.01				
6/24/2008	0.0014	<0.01	<0.01			
7/31/2008	<0.01	0.0018	<0.01			
11/3/2008		0.0025				
12/5/2008	<0.01	<0.01	<0.01			
3/25/2009		<0.01				
7/8/2009	<0.01	<0.01	<0.01			
9/14/2009		<0.01				
12/20/2009	<0.01	<0.01				
12/21/2009			<0.01			
3/4/2010		<0.01				
6/20/2010	<0.01					
6/21/2010		<0.01	<0.01	<0.01	0.0019	<0.01
9/14/2010		<0.01				
1/7/2011	<0.01	0.0018	<0.01	0.0018	0.0017	<0.01
4/15/2011		<0.01				
7/7/2011	<0.01	<0.01				
7/8/2011			0.0013	0.0019	0.0023	<0.01
9/25/2011		<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.01					
1/18/2012		<0.01	<0.01	<0.01	<0.01	<0.01
4/4/2012		<0.01				
7/9/2012	<0.01					
7/10/2012		<0.01	<0.01	0.0013	<0.01	<0.01
10/9/2012		0.0018				
1/18/2013	<0.01	<0.01	<0.01	0.0015	<0.01	<0.01
4/5/2013		<0.01				
7/17/2013	<0.01	<0.01	<0.01	<0.01	0.0019	<0.01
10/11/2013		<0.01				
1/13/2014	<0.01					
1/14/2014		<0.01	<0.01	0.0012 (J)	<0.01	<0.01
4/3/2014		<0.01				
7/9/2014	<0.01	<0.01	<0.01		<0.01	
7/10/2014				<0.01		<0.01
10/24/2014		<0.01				
1/12/2015				<0.01		
1/13/2015	<0.01					
1/14/2015		<0.01	<0.01		<0.01	<0.01
5/11/2015		<0.01				
7/16/2015	<0.01	<0.01				
7/17/2015					<0.01	
7/18/2015			<0.01	<0.01		<0.01
10/6/2015		<0.01				
1/17/2016	<0.01	<0.01		<0.01	<0.01	
1/18/2016			<0.01			<0.01
4/26/2016		<0.01				
7/27/2016	0.0007 (J)					
7/28/2016		0.0006 (J)		0.0007 (J)	0.0005 (J)	
7/29/2016			0.0009 (J)			0.0007 (J)
8/31/2016						<0.01
9/1/2016	0.0011 (J)	0.0011 (J)	0.0011 (J)	<0.01	<0.01	
10/25/2016	<0.01	<0.01		<0.01	<0.01	
10/26/2016			<0.01			<0.01
1/4/2017		<0.01		<0.01	<0.01	<0.01
1/5/2017	<0.01		0.0012 (J)			
4/3/2017	0.0015 (J)					
4/4/2017				0.0011 (J)	0.0008 (J)	
4/5/2017		0.001 (J)	0.0015 (J)			
4/6/2017						0.0006 (J)
7/11/2017	0.0013 (J)			0.0009 (J)		0.0005 (J)
7/12/2017		0.0011 (J)				
7/13/2017			0.0012 (J)		0.0006 (J)	
10/2/2017	0.0013 (J)			0.0009 (J)		
10/3/2017		0.0009 (J)			0.0005 (J)	
10/4/2017			0.0055 (J)			0.0006 (J)
1/9/2018	0.0012 (J)				0.0007 (J)	
1/10/2018		0.0007 (J)		0.0008 (J)		
1/11/2018			0.0009 (J)			<0.01
7/9/2018				<0.01		
7/10/2018	<0.01	<0.01			<0.01	
7/11/2018			<0.01			<0.01

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.01			
1/17/2019	<0.01	0.01 (J)			0.01	
1/18/2019						<0.01
1/21/2019				<0.01		
3/25/2019				<0.01		
3/26/2019	<0.01	<0.01	<0.01		<0.01	
3/27/2019						<0.01
8/27/2019	0.0016 (J)					0.00057 (J)
8/28/2019		0.0011 (J)	0.0013 (J)	0.00089 (J)	0.00087 (J)	
10/8/2019	0.0017 (J)	0.00099 (J)			0.00065 (J)	
10/9/2019			0.00081 (J)	0.0011 (J)		0.00072 (J)
4/7/2020	0.0014 (J)	<0.01			<0.01	0.00049 (J)
4/8/2020			0.00073 (J)	0.001 (J)		
8/18/2020	0.0018 (J)	0.0012 (J)	0.0011 (J)	0.0011 (J)	0.0012 (J)	0.00056 (J)
9/30/2020	0.0016 (J)	0.00098 (J)	0.00096 (J)	0.0013 (J)	0.00067 (J)	0.00064 (J)
3/10/2021						<0.01
3/11/2021			0.0009 (J)			
3/12/2021	0.0031 (J)			0.0014 (J)		
3/16/2021		0.0012 (J)			0.00075 (J)	
9/21/2021						<0.01
9/22/2021		0.0018 (J)	<0.01	0.0013 (J)	<0.01	
9/23/2021	0.0013 (J)					
2/1/2022		<0.01	0.0014 (J)	0.0036 (J)	<0.01	
2/3/2022	0.0016 (J)					<0.01
8/30/2022				<0.01	<0.01	
8/31/2022	<0.01		<0.01			<0.01
9/1/2022		<0.01				
2/1/2023		<0.01	<0.01	0.00503 (J)		
2/2/2023	<0.01				<0.01	<0.01
8/29/2023			<0.01			<0.01
9/6/2023		<0.01		<0.01	<0.01	
9/7/2023	<0.01					
1/23/2024						<0.01
1/24/2024	<0.01		<0.01	<0.01		
1/25/2024		<0.01			<0.01	
8/21/2024	<0.01	<0.01	<0.01	<0.01		<0.01
8/22/2024					<0.01	
1/28/2025			<0.01			<0.01
1/29/2025	<0.01	<0.01		<0.01	<0.01	
7/29/2025			<0.01	<0.01		<0.01
7/30/2025	<0.01	<0.01			<0.01	
1/27/2026	<0.01			<0.01		
1/28/2026		<0.01	<0.01		<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.01	0.00069 (J)	0.0016 (J)	0.002 (J)
9/21/2021				<0.01
9/22/2021	<0.01	<0.01		
9/23/2021			<0.01	
2/1/2022		<0.01		
2/2/2022				<0.01
2/3/2022	<0.01		<0.01	
8/31/2022	<0.01		<0.01	
9/1/2022		<0.01		
2/1/2023	<0.01			
2/2/2023		<0.01	<0.01	
9/6/2023	<0.01	<0.01		
9/7/2023			<0.01	
1/24/2024	<0.01			
1/25/2024		<0.01	<0.01	<0.01
8/20/2024				<0.01
8/21/2024	<0.01	<0.01	<0.01	
1/28/2025				<0.01
1/29/2025	<0.01	<0.01	<0.01	
7/29/2025	<0.01			<0.01
7/30/2025		<0.01	<0.01	
1/27/2026			<0.01	
1/28/2026	<0.01	<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
11/21/2000	<0.005		<0.005	<0.005	<0.01	<0.001
1/20/2001	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
3/14/2001	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
7/16/2001	<0.005	<0.001	<0.005	<0.005	<0.01	<0.001
11/1/2001	<0.005	<0.001				<0.001
11/2/2001			<0.005	0.012	<0.01	
4/25/2002						<0.001
4/26/2002	<0.005	<0.001	<0.005	<0.005	<0.01	
9/11/2007		<0.001				
9/12/2007			0.0027	<0.005		<0.001
9/14/2007	<0.005				<0.0025	
11/7/2007			0.0031	<0.005		<0.001
11/8/2007	<0.005	<0.001			<0.0025	
1/17/2008			<0.005	<0.005	<0.0025	<0.001
1/18/2008	<0.005	<0.001				
3/11/2008		<0.001				
3/12/2008			0.0027			<0.001
3/13/2008	<0.005			<0.005	<0.0025	
6/4/2008	<0.005	<0.001		<0.005		<0.001
6/5/2008			<0.005		<0.0025	
7/29/2008	<0.005	<0.001				
7/30/2008			0.003	<0.005	<0.0025	
7/31/2008						<0.001
8/30/2016		<0.001		<0.005	<0.01	<0.001
9/1/2016	0.0102		0.0024 (J)			
10/24/2016		<0.001				
10/25/2016	0.0037 (J)					<0.001
10/26/2016			0.0011 (J)	<0.005	<0.01	
1/3/2017		<0.001		<0.005		
1/4/2017						<0.001
1/5/2017					<0.01	
1/6/2017	0.0039 (J)		0.001 (J)			
4/3/2017		0.0005 (J)				
4/4/2017			0.001 (J)			<0.001
4/6/2017	0.006 (J)			<0.005	<0.01	
7/11/2017		0.0005 (J)				
7/12/2017			0.0008 (J)	<0.005	<0.01	<0.001
7/13/2017	0.0037 (J)					
10/2/2017		0.0004 (J)				
10/3/2017				<0.005	<0.01	<0.001
10/4/2017	0.0058 (J)		0.001 (J)			
1/9/2018	0.0053 (J)	0.0004 (J)			<0.01	
1/10/2018				0.0004 (J)		<0.001
1/11/2018			0.0008 (J)			
7/9/2018		<0.001				
7/10/2018				0.002 (J)	<0.01	<0.001
7/11/2018	<0.05 (O)		<0.005			
1/16/2019						<0.001
8/26/2019	0.0037 (J)	0.00042 (J)				
8/27/2019			0.0011 (J)		0.00038 (J)	<0.001
8/28/2019				0.0024 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
10/7/2019		0.00046 (J)				
10/8/2019	0.0028 (J)					
10/9/2019			0.0015 (J)	0.0037 (J)	<0.025	<0.001
4/6/2020	0.0021 (J)	0.00036 (J)				
4/7/2020			0.0009 (J)	0.00053 (J)	<0.025	<0.001
8/17/2020		<0.001				
8/19/2020	0.0021 (J)		0.00072 (J)	<0.005	<0.005	<0.001
9/28/2020	<0.005	<0.001				<0.001
9/30/2020				0.00056 (J)	<0.005	
10/1/2020			0.0005 (J)			
3/10/2021			0.00069 (J)	0.0057	<0.005	<0.001
3/11/2021	0.0023 (J)					
3/12/2021		0.00058 (J)				
9/21/2021	<0.005	<0.001	<0.005	0.019	0.0049 (J)	
9/23/2021						<0.001
11/10/2021				0.041		
1/31/2022	<0.005	0.00044 (J)				
2/2/2022			0.0027 (J)		0.07	
2/3/2022				0.019		<0.001
8/30/2022	0.00134	0.00042 (J)	0.00198	0.00401	0.0476	
9/1/2022						<0.001
1/31/2023	0.00114	0.000378 (J)				
2/1/2023				0.00291	0.0228	
2/2/2023			0.00937			<0.001
8/28/2023	0.00156	<0.001				
8/29/2023			0.0122	0.00139	0.0709	<0.001
1/23/2024	<0.005	0.000302 (J)			0.0222	<0.001
2/7/2024			0.0126			
2/8/2024				0.00521		
8/19/2024	0.0015					
8/20/2024			0.00204		0.0368	<0.001
8/21/2024		0.000413 (J)		0.00156		
1/27/2025		0.000367 (J)				
1/28/2025	0.00127		0.0131		0.021	
1/29/2025				0.000703 (J)		<0.001
7/28/2025	0.00158	0.000397 (J)	0.00252			
7/29/2025					0.0285	<0.001
7/30/2025				0.000888 (J)		
1/27/2026	0.00175	0.000367 (J)	0.0111			<0.001
1/28/2026				0.00108	0.0321	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.0025	<0.001	<0.0025	<0.001	<0.001
11/21/2000	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
1/20/2001	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
3/14/2001	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
7/16/2001	<0.001	<0.0025	<0.001	<0.0025	<0.001	<0.001
11/1/2001	<0.001		<0.001	<0.0025	<0.001	<0.001
11/2/2001		<0.0025				
4/25/2002	<0.001					<0.001
4/26/2002		<0.0025	<0.001	<0.0025	<0.001	
9/11/2007						<0.001
9/12/2007	<0.001					
9/13/2007		<0.0025	<0.001	<0.0025	<0.001	
11/6/2007	<0.001					<0.001
11/7/2007				<0.0025	<0.001	
11/8/2007		<0.0025	<0.001			
1/15/2008			<0.001	<0.0025	<0.001	
1/16/2008	<0.001	<0.0025				<0.001
3/11/2008				<0.0025	<0.001	<0.001
3/12/2008	<0.001	<0.0025				
3/13/2008			<0.001			
6/3/2008			<0.001	<0.0025	<0.001	
6/4/2008		<0.0025				
6/5/2008	<0.001					<0.001
7/29/2008		<0.0025	<0.001			
7/30/2008				<0.0025	<0.001	
7/31/2008	<0.001					<0.001
8/31/2016	<0.001	0.0021 (J)	<0.001	0.0018 (J)	<0.001	
9/1/2016						<0.001
10/25/2016						<0.001
10/26/2016	0.0011 (J)		<0.001	0.0016 (J)	<0.001	
10/27/2016		0.0017 (J)				
1/4/2017			<0.001	0.0014 (J)		
1/5/2017	<0.001				<0.001	<0.001
1/6/2017		0.0017 (J)				
4/4/2017	<0.001					<0.001
4/5/2017				0.0013 (J)		
4/6/2017		0.0017 (J)	<0.001		<0.001	
7/10/2017				0.0013 (J)		
7/11/2017			<0.001			0.0003 (J)
7/12/2017		0.0016 (J)			<0.001	
7/13/2017	0.0003 (J)					
10/2/2017						<0.001
10/3/2017	0.0003 (J)		<0.001			
10/4/2017		0.0015 (J)		0.0011 (J)	<0.001	
1/9/2018						<0.001
1/10/2018	<0.001				<0.001	
1/11/2018		0.0017 (J)	0.0003 (J)	0.0011 (J)		
7/9/2018						<0.001
7/10/2018	<0.001					
7/11/2018		0.0017 (J)	<0.001	0.00096 (J)	<0.001	
3/26/2019					<0.001	
7/30/2019	0.00032 (J)					

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/27/2019	<0.001		<0.001	0.0009 (J)	<0.001	<0.001
8/28/2019		0.00099 (J)				
10/8/2019			<0.001		<0.001	<0.001
10/9/2019	<0.001	0.00099 (J)		0.00094 (J)		
4/7/2020			<0.001	0.00077 (J)		<0.001
4/8/2020	0.00036 (J)	0.001 (J)			<0.001	
8/17/2020				0.0006 (J)	<0.001	
8/18/2020	<0.001		0.0004 (J)			<0.001
8/19/2020		0.0011 (J)				
9/28/2020					<0.001	
9/29/2020	<0.001		0.00055 (J)	0.00057 (J)		<0.001
10/1/2020		0.00099 (J)				
3/10/2021		0.00096 (J)	0.00082 (J)	0.00071 (J)		
3/15/2021	<0.001				<0.001	
3/16/2021						<0.001
9/21/2021			<0.001	0.00065 (J)	<0.001	
9/22/2021	<0.001	0.00082 (J)				<0.001
2/2/2022	<0.001	0.00096 (J)				<0.001
2/3/2022			<0.001	0.00072 (J)	<0.001	
8/30/2022				0.000786 (J)		<0.001
8/31/2022			0.000646 (J)		<0.001	
9/1/2022	<0.001	0.00093 (J)				
2/1/2023		0.00083 (J)	0.00118	0.000753 (J)	<0.001	
2/2/2023	<0.001					<0.001
8/29/2023	<0.001	0.000744 (J)			<0.001	
9/6/2023			0.000794 (J)	0.000732 (J)		<0.001
1/24/2024		0.000899 (J)	0.000522 (J)			
1/25/2024	<0.001			0.000751 (J)	<0.001	<0.001
8/21/2024	<0.001	0.00096 (J)	<0.001	0.000768 (J)	<0.001	<0.001
1/28/2025			0.000527 (J)			
1/29/2025	<0.001	0.000944 (J)		0.000647 (J)	<0.001	<0.001
7/29/2025			0.000469 (J)			
7/30/2025	<0.001	0.00104		0.000595 (J)	<0.001	<0.001
1/27/2026			0.000904 (J)			
1/28/2026	<0.001	0.00109		0.000645 (J)	<0.001	<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.001	<0.001	<0.0025			
11/21/2000	<0.001	<0.001	<0.0025			
1/20/2001	<0.001	<0.001	<0.0025			
3/14/2001	<0.001	<0.001	<0.0025			
7/16/2001	<0.001	<0.001	<0.0025			
11/1/2001	<0.001	<0.001	<0.0025			
4/25/2002	<0.001	<0.001	<0.0025			
9/11/2007		<0.001				
9/12/2007	<0.001		<0.0025			
11/6/2007	<0.001	<0.001	<0.0025			
1/16/2008	<0.001	<0.001	<0.0025			
3/11/2008		<0.001				
3/12/2008	<0.001					
3/13/2008			<0.0025			
6/4/2008			<0.0025			
6/5/2008	<0.001	<0.001				
7/31/2008	<0.001	<0.001	<0.0025			
8/31/2016						0.001 (J)
9/1/2016	<0.001	<0.001	0.0046 (J)	<0.001	<0.001	
10/25/2016	<0.001	<0.001		<0.001	<0.001	
10/26/2016			0.0046 (J)			0.0009 (J)
1/4/2017		<0.001		<0.001	<0.001	0.0007 (J)
1/5/2017	<0.001		0.0062 (J)			
4/3/2017	<0.001					
4/4/2017				<0.001	<0.001	
4/5/2017		<0.001	0.007 (J)			
4/6/2017						<0.001
7/11/2017	<0.001			<0.001		<0.001
7/12/2017		<0.001				
7/13/2017			0.0077 (J)		<0.001	
10/2/2017	<0.001			<0.001		
10/3/2017		<0.001			<0.001	
10/4/2017			0.0073 (J)			0.0007 (J)
1/9/2018	<0.001				<0.001	
1/10/2018		<0.001		<0.001		
1/11/2018			0.0061 (J)			<0.001
7/9/2018				<0.001		
7/10/2018	<0.001	<0.001			<0.001	
7/11/2018			0.0064 (J)			<0.001
8/27/2019	<0.001					0.00077 (J)
8/28/2019		<0.001	0.0023 (J)	<0.001	<0.001	
10/8/2019	<0.001	<0.001			<0.001	
10/9/2019			0.0024 (J)	<0.001		<0.001
4/7/2020	<0.001	<0.001			<0.001	0.00037 (J)
4/8/2020			0.0024 (J)	<0.001		
8/18/2020	<0.001	<0.001	0.0025 (J)	<0.001	<0.001	<0.001
9/30/2020	<0.001	<0.001	0.0018 (J)	<0.001	<0.001	<0.001
3/10/2021						<0.001
3/11/2021			0.0019 (J)			
3/12/2021	<0.001			<0.001		
3/16/2021		<0.001			<0.001	
9/21/2021						<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/22/2021		<0.001	0.0028 (J)	<0.001	<0.001	
9/23/2021	<0.001					
2/1/2022		<0.001	0.0036 (J)	<0.001	<0.001	
2/3/2022	<0.001					<0.001
8/30/2022				<0.001	<0.001	
8/31/2022	<0.001		0.00358			<0.001
9/1/2022		<0.001				
2/1/2023		<0.001	0.00265	<0.001		
2/2/2023	<0.001				<0.001	<0.001
8/29/2023			0.00268			0.000817 (J)
9/6/2023		<0.001		<0.001	<0.001	
9/7/2023	<0.001					
1/23/2024						<0.001
1/24/2024	<0.001		0.00264	<0.001		
1/25/2024		<0.001			<0.001	
8/21/2024	<0.001	<0.001	0.00256	<0.001		<0.001
8/22/2024					<0.001	
1/28/2025			0.00242			<0.001
1/29/2025	<0.001	<0.001		<0.001	<0.001	
7/29/2025			0.00264	<0.001		0.00105
7/30/2025	<0.001	<0.001			<0.001	
1/27/2026	<0.001			<0.001		
1/28/2026		<0.001	0.00381		<0.001	0.0005 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.001	<0.001	<0.001	<0.001
9/21/2021				<0.001
9/22/2021	<0.001	<0.001		
9/23/2021			<0.001	
2/1/2022		<0.001		
2/2/2022				<0.001
2/3/2022	<0.001		<0.001	
8/31/2022	<0.001		<0.001	
9/1/2022		<0.001		
2/1/2023	<0.001			
2/2/2023		<0.001	<0.001	
9/6/2023	<0.001	<0.001		
9/7/2023			<0.001	
1/24/2024	<0.001			
1/25/2024		<0.001	<0.001	<0.001
8/20/2024				<0.001
8/21/2024	<0.001	<0.001	<0.001	
1/28/2025				<0.001
1/29/2025	<0.001	<0.001	<0.001	
7/29/2025	<0.001			<0.001
7/30/2025		<0.001	<0.001	
1/27/2026			<0.001	
1/28/2026	<0.001	<0.001		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		2.72		1.81	2.19	2.36
9/1/2016	11		5.27			
10/24/2016		2.96				
10/25/2016	10.5					2.02
10/26/2016			2.32	2.03	2.67	
1/3/2017		2.76		1.85		
1/4/2017						2.1
1/5/2017					3.74	
1/6/2017	6.81		5.1			
4/3/2017		1.36				
4/4/2017			5			1.39
4/6/2017	8.93			2.66	2.36	
7/11/2017		1.85				
7/12/2017			2.69	2.1	1.54	1.63
7/13/2017	8.51					
10/2/2017		1.9				
10/3/2017				2	3.63	1.84
10/4/2017	3.85		4.82			
1/9/2018	4.28	2.39			2.07	
1/10/2018				2.55		2.11
1/11/2018			4.48			
7/9/2018		1.49				
7/10/2018				3.14	1.63	1.29
7/11/2018	5.99		2.69			
8/26/2019	6.03	3.03				
8/27/2019			2.97		4.63	2.41
8/28/2019				3.74		
10/7/2019		2.83				
10/8/2019	33.8 (O)					
10/9/2019			2.17	7.23	5.45	3.13
4/6/2020	25.7 (O)	2.83				
4/7/2020			2.44	3.57	6.25	1.97
8/17/2020		2.63				
8/19/2020	5.45		3.1	2.49	4.53	1.91
9/28/2020	22.4 (O)	2.08				1.29
9/30/2020				4.45	6.39	
10/1/2020			2.6			
3/10/2021			2.11	4.67	4.61	1.7
3/11/2021	3.22					
3/12/2021		2.17				
9/21/2021	10.3	0.73 (U)	2.45	3.1	5.07	
9/23/2021						1.48
1/31/2022	8.46	1.01				
2/2/2022			3.17		4.79	
2/3/2022				2.65		1
8/30/2022	2.75	1.97	5.57	3.36	3.2	
9/1/2022						0.911 (U)
1/31/2023	3.86	1.96 (U)				
2/1/2023				3.28	4.93	
2/2/2023			5.79			3.54
8/28/2023	1.69	1.84				
8/29/2023			3.86	1.63	8.19	2.65

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/23/2024	4.64	3.11			8.24	2.9
2/7/2024			5.48			
2/8/2024				6.35		
8/19/2024	3.16					
8/20/2024			7.26		6.12	0.492 (U)
8/21/2024		4.29		2.85		
1/27/2025		2.69				
1/28/2025	6.72		6.75		7.86	
1/29/2025				3.5		2.2
7/28/2025	1.93	3.41	6.49			
7/29/2025					10	1.92
7/30/2025				5.23		
1/27/2026	6.98	3.99	6.14			1.49 (U)
1/28/2026				4.21	7.3	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	1.01	3.3	2.2	2.61	1.23	
9/1/2016						1.28
10/25/2016						1.54
10/26/2016	0.725		1.96	3.28	0.641	
10/27/2016		2.7				
1/4/2017			1.88	3.77		
1/5/2017	0.735				0.657	0.715
1/6/2017		4.45				
4/4/2017	0.87					0.699
4/5/2017				3.25		
4/6/2017		3.1	0.893 (U)		0.439	
7/10/2017				1.55		
7/11/2017			1.89			1.12
7/12/2017		2.73			0.414 (U)	
7/13/2017	0.42 (U)					
10/2/2017						0.855 (U)
10/3/2017	0.995 (U)		4.73			
10/4/2017		8.16		1.68	1.33	
1/9/2018						0.861 (U)
1/10/2018	0.698 (U)				1.21	
1/11/2018		2.31	7.49	2.94		
7/9/2018						0.693 (U)
7/10/2018	1.01					
7/11/2018		3.31	5.88	2.03	1.4	
8/27/2019	0.787 (U)		5.09	2.09	1.27	1.32
8/28/2019		1.91				
10/8/2019			6.39		1.62	1.41
10/9/2019	0.22 (U)	3.09		3.11		
4/7/2020			7.87	2.18		1.41
4/8/2020	1.13 (U)	1.92			1.08	
8/17/2020				2.25	1.42	
8/18/2020	1.09 (U)		6.76			0.731 (U)
8/19/2020		2.34				
9/28/2020					1.28	
9/29/2020	1 (U)		8.3	0.845 (U)		0.331 (U)
10/1/2020		3.3				
3/10/2021		2.08	7.55	1.77		
3/15/2021	0.804 (U)				0.769 (U)	
3/16/2021						0.0831 (U)
9/21/2021			4.35	1.24 (U)	2.09	
9/22/2021	0.769 (U)	2.08				1.94 (U)
2/2/2022	0.854 (U)	0.967 (U)				0.881 (U)
2/3/2022			4.04	0.957	1.18	
8/30/2022				3.37		2.62
8/31/2022			6.34		1.9	
9/1/2022	2.09	2.35				
2/1/2023		4.17	5.87	2.07	2.85	
2/2/2023	1.11 (U)					1.31 (U)
8/29/2023	2.49	1.44			2.36	
9/6/2023			9.23	2.02		0.609 (U)
1/24/2024		1.36 (U)	7.06			
1/25/2024	1.99			0.675 (U)	2.37	0.586 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/21/2024	2.07	2.54	5.48	2.54	1.23 (U)	0.715 (U)
1/28/2025			2.64			
1/29/2025	0.453 (U)	2.76		2.67	2.56	1.05 (U)
7/29/2025			3.35			
7/30/2025	2.45	3.25		2.02	5.81	1.06 (U)
1/27/2026			11			
1/28/2026	2.35	1.67		3.45	2.89	0.959 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						5.96
9/1/2016	2.45	1.99	5.19	2.21	1.05	
10/25/2016	1.04	1.98		1.51	1.2	
10/26/2016			4.25			7.42
1/4/2017		1.72		2.56	2.11	6.07
1/5/2017	1.36		3.55			
4/3/2017	0.697					
4/4/2017				1.77	2.02	
4/5/2017		1.72	4.39			
4/6/2017						3
7/11/2017	0.754 (U)			2.76		4.2
7/12/2017		1.11				
7/13/2017			2.44		0.576 (U)	
10/2/2017	1.52			4.15		
10/3/2017		2.13			0.86 (U)	
10/4/2017			4.95			7.16
1/9/2018	1.17				1.43	
1/10/2018		1.74		1.96		
1/11/2018			3.53			3.57
7/9/2018				1.11		
7/10/2018	1.26	1.97			1.63	
7/11/2018			3.13			7.57
8/27/2019	1.75					7.04
8/28/2019		2.04	2.01	1.13 (U)	1.4 (U)	
10/8/2019	1.52	1.89			1.88	
10/9/2019			2.91	2.28		3.68
4/7/2020	1.82	4.17			1.8	7.66
4/8/2020			2.79	4.19		
8/18/2020	1.84	4.24	3.11	6.86	3.27	7.65
9/30/2020	2.14	2.47	3.09	5.62	3.83	2.79
3/10/2021						2.53
3/11/2021			2.77			
3/12/2021	0.607 (U)			5.17		
3/16/2021		2.15			2.88	
9/21/2021						1.25 (U)
9/22/2021		3.06	2.36	6.84	0.959 (U)	
9/23/2021	1.64					
2/1/2022		2.73	2.51	5.11	2.51	
2/3/2022	0.58 (U)					1.4
8/30/2022				4.95	2.56	
8/31/2022	2.88		2.72			3.07
9/1/2022		1.64 (U)				
2/1/2023		3.17	2.83	5.77		
2/2/2023	3.14				3.73	4.13
8/29/2023			2.77			11.3
9/6/2023		3.42		2.12	4.2	
9/7/2023	2.28					
1/23/2024						6.54
1/24/2024	0.775 (U)		0.437 (U)	1.78		
1/25/2024		4			4.12	
8/21/2024	2.48	3.92	2.46	4.17		2.35
8/22/2024					4.52	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/28/2025			1.17 (U)			5.68
1/29/2025	1.92	3.73		3.27	6.55	
7/29/2025			1.45 (U)	4.59		11.5
7/30/2025	2.37	4.67			5.11	
1/27/2026	4.15			6.57		
1/28/2026		6.52	2.89		7.44	8.86

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	1.55	1.29	0.353 (U)	0.783 (U)
9/21/2021				0.815 (U)
9/22/2021	1.4	0.982 (U)		
9/23/2021			1.15	
2/1/2022		0.36 (U)		
2/2/2022				0.249 (U)
2/3/2022	1.21		0.278 (U)	
8/31/2022	1.79		0.645 (U)	
9/1/2022		3.54		
2/1/2023	2.44			
2/2/2023		2.52 (U)	2.98	
9/6/2023	3.47	1.73		
9/7/2023			1.75	
1/24/2024	1.3 (U)			
1/25/2024		1.68	1.04 (U)	1.64 (U)
8/20/2024				1.84
8/21/2024	0.517 (U)	3.94	1.22 (U)	
1/28/2025				1.45 (U)
1/29/2025	0.997 (U)	1.6 (U)	1.51 (U)	
7/29/2025	3.24			2.5
7/30/2025		1.1 (U)	2.48	
1/27/2026			5.11	
1/28/2026	1.85 (U)	0.718 (U)		0.897 (U)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		0.1 (J)		0.04 (J)	0.09 (J)	0.22 (J)
9/1/2016	<0.1		<0.1			
10/24/2016		0.18 (J)				
10/25/2016	0.07 (J)					<0.1
10/26/2016			0.05 (J)	0.05 (J)	0.24 (J)	
1/3/2017		0.18 (J)		0.08 (J)		
1/4/2017						0.18 (J)
1/5/2017					0.11 (J)	
1/6/2017	0.2 (J)		0.08 (J)			
4/3/2017		0.12 (J)				
4/4/2017			<0.1			<0.1
4/6/2017	0.05 (J)			0.006 (J)	0.3	
7/11/2017		0.39				
7/12/2017			0.38	0.05 (J)	0.15 (J)	0.04 (J)
7/13/2017	0.41					
10/2/2017		0.12 (J)				
10/3/2017				0.11 (J)	0.11 (J)	<0.1
10/4/2017	0.04 (J)		<0.1			
1/9/2018	0.46	0.21 (J)			<0.2	
1/10/2018				<0.2		<0.1
1/11/2018			<0.1			
7/9/2018		0.04 (J)				
7/10/2018				0.2 (J)	<0.2	<0.1
7/11/2018	<0.1		<0.1			
1/16/2019	0.49	<0.1	1.2	<0.2	0.053 (J)	<0.1
3/25/2019	0.21 (J)	0.082 (J)	0.064 (J)			
3/26/2019				<0.2	0.046 (J)	0.051 (J)
8/26/2019	<0.1	0.13				
8/27/2019			0.031 (J)		0.13 (J)	<0.1
8/28/2019				0.097 (J)		
10/7/2019		<0.1				
10/8/2019	<0.1					
10/9/2019			<0.1	<0.2	<0.2	<0.1
4/6/2020	0.13 (J)	0.089 (J)				
4/7/2020			<0.1	<0.2	<0.2	<0.1
8/17/2020		0.079 (J)				
8/19/2020	0.21		0.17	<0.2	<0.2	<0.1
9/28/2020	0.069 (J)	<0.1				<0.1
9/30/2020				<0.2	<0.2	
10/1/2020			<0.1			
3/10/2021			<0.1	<0.2	<0.2	<0.1
3/11/2021	<0.1					
3/12/2021		0.087 (J)				
9/21/2021	0.077 (J)	0.068 (J)	<0.1	<0.2	<0.2	
9/23/2021						<0.1
1/31/2022	<0.1	0.09 (J)				
2/2/2022			<0.1		<0.2	
2/3/2022				0.081 (J)		<0.1
8/30/2022	0.0391 (J)	0.0759 (J)	<0.1	0.0428 (J)	<0.2	
9/1/2022						<0.1
1/31/2023	0.051 (J)	0.0842 (J)				
2/1/2023				0.0546 (J)	<0.2	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
2/2/2023			<0.1			<0.1
8/28/2023	<0.1	0.0498 (J)				
8/29/2023			<0.1	<0.2	0.0523 (J)	0.0596 (J)
1/23/2024	0.0367 (J)	0.0641 (J)			<0.2	<0.1
1/24/2024				<0.2		
1/25/2024			<0.1			
2/7/2024			<0.1			
2/8/2024				<0.2		
8/19/2024	0.061 (J)					
8/20/2024			<0.1		0.0768 (J)	<0.1
8/21/2024		0.108		0.0435 (J)		
1/27/2025		0.0768 (J)				
1/28/2025	0.0568 (J)		<0.1		<0.2	
1/29/2025				<0.2		<0.1
7/28/2025	0.0506 (J)	0.0842 (J)	0.0357 (J)			
7/29/2025					0.0648 (J)	<0.1
7/30/2025				<0.2		
1/27/2026	0.0628 (J)	0.0831 (J)	<0.1			<0.1
1/28/2026				<0.2	0.0468 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	0.07 (J)	0.55	<0.1	0.7	<0.1	
9/1/2016						0.25 (J)
10/25/2016						0.43
10/26/2016	0.62		<0.1	0.91	0.55	
10/27/2016		0.26 (J)				
1/4/2017			<0.1	0.51		
1/5/2017	0.17 (J)				0.09 (J)	0.21 (J)
1/6/2017		0.25 (J)				
4/4/2017	0.08 (J)					0.45
4/5/2017				0.71		
4/6/2017		0.16 (J)	<0.1		<0.1	
7/10/2017				0.88		
7/11/2017			<0.1			0.41
7/12/2017		0.2 (J)			<0.1	
7/13/2017	0.06 (J)					
10/2/2017						<0.1
10/3/2017	0.06 (J)		<0.1			
10/4/2017		0.22 (J)		0.37	<0.1	
1/9/2018						<0.1
1/10/2018	<0.1				<0.1	
1/11/2018		0.98	<0.1	1.4		
7/9/2018						<0.1
7/10/2018	<0.1					
7/11/2018		0.14 (J)	<0.1	0.62	<0.1	
1/16/2019					<0.1	<0.1
1/17/2019			<0.1	1.2		
1/18/2019		0.24 (J)				
1/21/2019	<0.1					
3/26/2019					0.052 (J)	0.13 (J)
3/27/2019		0.13 (J)	<0.1	0.036 (J)		
7/30/2019	0.083 (J)					
8/27/2019	<0.1		<0.1	0.3	<0.1	<0.1
8/28/2019		0.088 (J)				
10/8/2019			<0.1		<0.1	<0.1
10/9/2019	<0.1	0.068 (J)		<0.3		
4/7/2020			<0.1	0.27 (J)		<0.1
4/8/2020	<0.1	0.058 (J)			<0.1	
8/17/2020				0.19	<0.1	
8/18/2020	<0.1		<0.1			<0.1
8/19/2020		0.092 (J)				
9/28/2020					<0.1	
9/29/2020	<0.1		<0.1	0.16		<0.1
10/1/2020		<0.1				
3/10/2021		0.066 (J)	<0.1	0.14		
3/15/2021	<0.1				<0.1	
3/16/2021						<0.1
9/21/2021			<0.1	0.31	<0.1	
9/22/2021	<0.1	0.13				<0.1
2/2/2022	<0.1	<0.1				<0.1
2/3/2022			<0.1	0.36	<0.1	
8/30/2022				0.273		<0.1
8/31/2022			<0.1		0.051 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/1/2022	<0.1	0.0783 (J)				
2/1/2023		0.0994 (J)	<0.1	0.231	0.0423 (J)	
2/2/2023	<0.1					<0.1
8/29/2023	<0.1	0.115			<0.1	
9/6/2023			<0.1	0.238		<0.1
1/24/2024		0.0618 (J)	<0.1			
1/25/2024	0.0377 (J)			0.182	<0.1	<0.1
8/21/2024	0.0532 (J)	0.134	<0.1	0.194	0.0496 (J)	<0.1
1/28/2025			<0.1			
1/29/2025	0.0517 (J)	0.0734 (J)		0.232	<0.1	<0.1
7/29/2025			<0.1			
7/30/2025	0.0506 (J)	0.0743 (J)		0.137	<0.1	<0.1
1/27/2026			<0.1			
1/28/2026	<0.1	0.0837 (J)		0.117	<0.1	<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						0.04 (J)
9/1/2016	<0.1	0.55	0.68	<0.5	<0.1	
10/25/2016	0.5	0.36		<0.5	<0.1	
10/26/2016			0.68			0.12 (J)
1/4/2017		0.1 (J)		0.04 (J)	<0.1	0.06 (J)
1/5/2017	0.22 (J)		0.73			
4/3/2017	<0.1					
4/4/2017				0.02 (J)	<0.1	
4/5/2017		0.2 (J)	1.6			
4/6/2017						<0.2
7/11/2017	0.06 (J)			0.14 (J)		0.03 (J)
7/12/2017		0.04 (J)				
7/13/2017			1.7		<0.1	
10/2/2017	<0.1			<0.5		
10/3/2017		0.86			<0.1	
10/4/2017			1.8			0.12 (J)
1/9/2018	<0.1				<0.1	
1/10/2018		<0.4		<0.5		
1/11/2018			1.5			<0.2
7/9/2018				<0.5		
7/10/2018	0.15 (J)	<0.4			<0.1	
7/11/2018			1.8			<0.2
1/16/2019			1.4			
1/17/2019	<0.1	<0.4			<0.1	
1/18/2019						<0.2
1/21/2019				<0.5		
3/25/2019				0.043 (J)		
3/26/2019	0.13 (J)	0.11 (J)	0.89		0.071 (J)	
3/27/2019						<0.2
8/27/2019	<0.1					0.1
8/28/2019		<0.4	0.61	<0.5	<0.1	
10/8/2019	<0.1	<0.4			<0.1	
10/9/2019			<0.3	<0.5		<0.2
4/7/2020	<0.1	<0.4			<0.1	<0.2
4/8/2020			0.55	<0.5		
8/18/2020	<0.1	<0.4	0.51	<0.5	<0.1	<0.2
9/30/2020	<0.1	<0.4	0.15	<0.5	<0.1	<0.2
3/10/2021						<0.2
3/11/2021			0.42			
3/12/2021	<0.1			<0.5		
3/16/2021		<0.4			<0.1	
9/21/2021						<0.2
9/22/2021		<0.4	0.79	<0.5	<0.1	
9/23/2021	<0.1					
2/1/2022		<0.4	0.68	<0.5	<0.1	
2/3/2022	<0.1					<0.2
8/30/2022				<0.5	<0.1	
8/31/2022	<0.1		0.442			<0.2
9/1/2022		0.0374 (J)				
2/1/2023		0.0702 (J)	0.604	<0.5		
2/2/2023	<0.1				<0.1	<0.2
8/29/2023			0.572			0.0758 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/6/2023		<0.4		<0.5	<0.1	
9/7/2023	<0.1					
1/23/2024						<0.2
1/24/2024	<0.1		0.416	<0.5		
1/25/2024		<0.4			<0.1	
8/21/2024	<0.1	<0.4	0.642	0.168		<0.2
8/22/2024					<0.1	
1/28/2025			0.437			<0.2
1/29/2025	<0.1	<0.4		<0.5	<0.1	
7/29/2025			0.418	0.269 (J)		0.0732 (J)
7/30/2025	<0.1	<0.4			<0.1	
1/27/2026	<0.1			<0.5		
1/28/2026		<0.4	0.567		<0.1	<0.2

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.11	<0.1
1/21/2021	<0.1	<0.1		
3/11/2021	<0.1	<0.1	0.12	<0.1
9/21/2021				<0.1
9/22/2021	<0.1	<0.1		
9/23/2021			0.096 (J)	
2/1/2022		<0.1		
2/2/2022				<0.1
2/3/2022	<0.1		0.077 (J)	
8/31/2022	0.0791 (J)		0.187	
9/1/2022		<0.1		
2/1/2023	0.0586 (J)			
2/2/2023		<0.1	0.152	
9/6/2023	0.13	0.147		
9/7/2023			0.198	
1/24/2024	0.0432 (J)			
1/25/2024		<0.1	0.168	<0.1
8/20/2024				0.0444 (J)
8/21/2024	0.0361 (J)	0.037 (J)	0.216	
1/28/2025				<0.1
1/29/2025	0.0432 (J)	0.0457 (J)	0.119	
7/29/2025	<0.1			0.0444 (J)
7/30/2025		0.0345 (J)	0.11	
1/27/2026			0.155	
1/28/2026	<0.1	<0.1		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.005	<0.002	0.0083	0.017 (O)	<0.002	<0.002
11/21/2000	<0.005		0.0052	<0.002	<0.002	<0.002
1/20/2001	<0.005	<0.002	<0.002	0.011	<0.002	<0.002
3/14/2001	<0.005	<0.002	<0.002	0.026 (O)	<0.002	<0.002
7/16/2001	<0.005	<0.002	0.011	0.043 (O)	<0.002	<0.002
11/1/2001	<0.005	<0.002				<0.002
11/2/2001			<0.002	0.075 (O)	<0.002	
4/25/2002						<0.002
4/26/2002	<0.005	<0.002	<0.002	<0.002	<0.002	
11/20/2002			0.018 (O)	0.057 (O)	0.0057	<0.002
11/21/2002		<0.002				
6/6/2003	0.037 (O)	0.016 (O)	0.015 (O)	0.16 (O)	0.013	<0.002
12/12/2003	0.008	0.0095	0.0072	<0.002	<0.002	
12/17/2003						<0.002
5/26/2004	<0.005	<0.002	0.0055	0.011	<0.002	<0.002
12/8/2004	<0.005	<0.002				<0.002
12/10/2004			<0.002	0.038 (O)	<0.002	
6/21/2005	<0.005	<0.002	<0.002	0.036 (O)	<0.002	<0.002
12/3/2005	<0.005	<0.002				
12/4/2005						<0.002
12/5/2005			<0.002	<0.002	<0.002	
4/4/2006		<0.002				
6/27/2006	<0.005	<0.002	0.024 (O)	<0.002		<0.002
6/29/2006					<0.002	
8/30/2006		<0.002				
12/3/2006	<0.005	<0.002				
12/4/2006			0.023 (O)	<0.002	<0.002	<0.002
2/15/2007		<0.002				
6/23/2007	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2007		<0.002				
9/12/2007			<0.002	<0.002		<0.002
9/14/2007	<0.005				<0.002	
11/7/2007			<0.002	<0.002		<0.002
11/8/2007	<0.005	<0.002			<0.002	
12/11/2007	<0.005	<0.002			<0.002	
12/12/2007			<0.002	<0.002		<0.002
1/17/2008			<0.002	<0.002	<0.002	<0.002
1/18/2008	<0.005	<0.002				
3/11/2008		<0.002				
3/12/2008			<0.002			<0.002
3/13/2008	<0.005			<0.002	<0.002	
6/4/2008	<0.005	<0.002		<0.002		<0.002
6/5/2008			<0.002		<0.002	
6/23/2008	<0.005	<0.002				
6/24/2008			0.02 (O)	<0.002	0.02	<0.002
7/29/2008	<0.005	<0.002				
7/30/2008			0.018	<0.002	<0.002	
7/31/2008						<0.002
11/3/2008		<0.002				
12/4/2008	<0.005	<0.002				
12/5/2008			<0.002	<0.002	<0.002	<0.002
3/25/2009		<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2009		<0.002				
12/20/2009	<0.005	<0.002				<0.002
12/21/2009			<0.002	<0.002	<0.002	
3/4/2010		<0.002				
6/20/2010	<0.005	<0.002		<0.002	<0.002	<0.002
6/21/2010			<0.002			
9/14/2010		<0.002				
1/6/2011				<0.002		<0.002
1/7/2011	<0.005	<0.002	<0.002		<0.002	
4/15/2011		<0.002				
7/7/2011	<0.005	<0.002		<0.002	<0.002	<0.002
7/8/2011			<0.002			
9/25/2011		<0.002				
1/17/2012	<0.005	<0.002		<0.002		<0.002
1/18/2012			<0.002		<0.002	
4/4/2012		<0.002				
7/9/2012	<0.005			<0.002		<0.002
7/10/2012		<0.002	<0.002		<0.002	
10/9/2012		<0.002				
1/17/2013				<0.002		<0.002
1/18/2013	<0.005	<0.002	<0.002		<0.002	
4/5/2013		<0.002				
7/16/2013				<0.002		<0.002
7/17/2013	<0.005	<0.002	<0.002		<0.002	
10/11/2013		<0.002				
1/13/2014	0.013			<0.002		<0.002
1/14/2014		<0.002	0.0047 (J)		<0.002	
4/3/2014		<0.002				
7/9/2014	0.0076 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
10/24/2014		<0.002				
1/12/2015			<0.002			
1/13/2015	0.0057 (J)			<0.002		<0.002
1/14/2015		<0.002			<0.002	
5/10/2015		<0.002				
7/16/2015	0.009 (J)		<0.002	<0.002		<0.002
7/17/2015		<0.002			<0.002	
10/6/2015		<0.002				
1/17/2016						<0.002
1/18/2016	0.0094 (J)	<0.002	0.0055 (J)	<0.002	<0.002	
4/26/2016		<0.002				
7/27/2016	0.0058			<0.002		<0.002
7/28/2016		<0.002			<0.002	
7/29/2016			0.003 (J)			
8/30/2016		<0.002		<0.002	<0.002	<0.002
9/1/2016	0.0663 (O)		0.0166 (O)			
10/24/2016		<0.002				
10/25/2016	0.0003 (J)					<0.002
10/26/2016			0.0057	0.0002 (J)	<0.002	
1/3/2017		0.0001 (J)		0.0001 (J)		
1/4/2017						<0.002
1/5/2017					0.0003 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.006		0.0053			
4/3/2017		0.0002 (J)				
4/4/2017			0.0092			<0.002
4/6/2017	0.0109			0.0003 (J)	0.0002 (J)	
7/11/2017		0.0001 (J)				
7/12/2017			0.006	0.0002 (J)	0.0002 (J)	<0.002
7/13/2017	0.007					
10/2/2017		0.0001 (J)				
10/3/2017				0.0002 (J)	0.0001 (J)	<0.002
10/4/2017	0.0042 (J)		0.0057			
1/9/2018	0.0098	0.0001 (J)			0.0003 (J)	
1/10/2018				0.0003 (J)		0.0001 (J)
1/11/2018			0.0085			
7/9/2018		<0.002				
7/10/2018				<0.002	<0.002	<0.002
7/11/2018	0.0028 (J)		0.0029 (J)			
1/16/2019	<0.025 (O)	<0.002	<0.002	<0.002	<0.002	<0.002
3/25/2019	0.0019 (J)	<0.002	<0.002			
3/26/2019				<0.002	<0.002	<0.002
8/26/2019	0.013 (J)	<0.002				
8/27/2019			0.001 (J)		0.0011 (J)	<0.002
8/28/2019				0.0011 (J)		
10/7/2019		<0.002				
10/8/2019	0.0098 (J)					
10/9/2019			0.00041 (J)	0.0025 (J)	0.00033 (J)	<0.002
4/6/2020	0.0024 (J)	0.0001 (J)				
4/7/2020			0.00073 (J)	0.0014 (J)	0.00063 (J)	0.00012 (J)
8/17/2020		<0.002				
8/19/2020	0.0044 (J)		0.00048 (J)	7.9E-05 (J)	0.00014 (J)	<0.002
9/28/2020	0.0043 (J)	<0.002				4.3E-05 (J)
9/30/2020				0.0012 (J)	8E-05 (J)	
10/1/2020			0.00026 (J)			
3/10/2021			0.0003 (J)	5.2E-05 (J)	9.6E-05 (J)	0.0001 (J)
3/11/2021	0.0079					
3/12/2021		9.3E-05 (J)				
9/21/2021	<0.005	<0.002	<0.002	<0.002	<0.002	
9/23/2021						<0.002
1/31/2022	<0.005	<0.002				
2/2/2022			<0.002		<0.002	
2/3/2022				<0.002		<0.002
8/30/2022	0.0022	<0.002	<0.002	<0.002	<0.002	
9/1/2022						<0.002
1/31/2023	0.00126 (J)	0.0104				
2/1/2023				<0.002	<0.002	
2/2/2023			<0.002			<0.002
8/28/2023	0.0017 (J)	0.000566 (J)				
8/29/2023			<0.002	<0.002	<0.002	<0.002
1/23/2024	0.00133 (J)	<0.002			<0.002	<0.002
2/7/2024			<0.002			
2/8/2024				<0.002		
8/19/2024	0.000838 (J)					
8/20/2024			<0.002		<0.002	<0.002

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.002		0.000522 (J)		
1/27/2025		<0.002				
1/28/2025	0.000726 (J)		<0.002		<0.002	
1/29/2025				<0.002		<0.002
7/28/2025	0.000999 (J)	<0.002	<0.002			
7/29/2025					<0.002	<0.002
7/30/2025				<0.002		
1/27/2026	0.00245	<0.002	<0.002			<0.002
1/28/2026				<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.002	<0.002	<0.002	<0.002	<0.002
11/21/2000	0.0069	<0.002	<0.002	<0.002	<0.002	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/1/2001	<0.002		<0.002	<0.002	<0.002	<0.002
11/2/2001		<0.002				
4/25/2002	<0.002					<0.002
4/26/2002		<0.002	<0.002	<0.002	<0.002	
11/21/2002		0.0086 (O)	<0.002			0.011 (O)
11/22/2002	<0.002			<0.002	<0.002	
6/6/2003	<0.002					<0.002
6/7/2003		<0.002	0.0068	<0.002	0.0078	
12/12/2003	<0.002	<0.002	<0.002	<0.002	0.0055	<0.002
5/27/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/8/2004	<0.002			<0.002		<0.002
12/9/2004		0.0051	<0.002		<0.002	
6/22/2005		<0.002	<0.002	<0.002	<0.002	
6/23/2005	<0.002					<0.002
12/3/2005	<0.002					<0.002
12/4/2005			<0.002			
12/5/2005		<0.002		<0.002	<0.002	
4/4/2006						<0.002
6/28/2006			<0.002			
6/29/2006	<0.002	<0.002		<0.002	<0.002	<0.002
8/30/2006						<0.002
12/3/2006		<0.002	<0.002	<0.002	<0.002	
12/4/2006	<0.002					<0.002
2/15/2007						<0.002
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2007						<0.002
9/12/2007	<0.002					
9/13/2007		<0.002	<0.002	<0.002	<0.002	
11/6/2007	<0.002					<0.002
11/7/2007				<0.002	<0.002	
11/8/2007		<0.002	<0.002			
12/11/2007		<0.002	<0.002	<0.002	<0.002	
12/12/2007	<0.002					<0.002
1/15/2008			<0.002	<0.002	<0.002	
1/16/2008	<0.002	<0.002				<0.002
3/11/2008				<0.002	<0.002	<0.002
3/12/2008	<0.002	<0.002				
3/13/2008			<0.002			
6/3/2008			<0.002	<0.002	<0.002	
6/4/2008		<0.002				
6/5/2008	<0.002					<0.002
6/23/2008		<0.002	<0.002	<0.002	<0.002	
6/24/2008	<0.002					<0.002
7/29/2008		<0.002	<0.002			
7/30/2008				<0.002	<0.002	
7/31/2008	<0.002					<0.002
11/3/2008						<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/25/2009						<0.002
7/8/2009	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2009						<0.002
12/20/2009	<0.002					<0.002
12/21/2009		<0.002	<0.002	<0.002	<0.002	
3/4/2010						<0.002
6/20/2010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2010						<0.002
1/6/2011	<0.002		<0.002		<0.002	
1/7/2011		<0.002		<0.002		<0.002
4/15/2011						<0.002
7/7/2011	<0.002		<0.002	<0.002	<0.002	<0.002
7/8/2011		<0.002				
9/25/2011						<0.002
1/17/2012	<0.002		<0.002	<0.002	<0.002	<0.002
1/18/2012		<0.002				
4/4/2012						<0.002
7/9/2012	<0.002		<0.002	<0.002	<0.002	<0.002
7/10/2012		<0.002				
10/9/2012						<0.002
1/17/2013	<0.002		<0.002	<0.002	<0.002	
1/18/2013		<0.002				<0.002
4/5/2013						<0.002
7/16/2013			<0.002	<0.002	<0.002	
7/17/2013	<0.002	<0.002				<0.002
10/11/2013						<0.002
1/13/2014	<0.002		<0.002	0.0035 (J)	<0.002	
1/14/2014		<0.002				<0.002
4/3/2014						<0.002
7/8/2014			<0.002	<0.002	<0.002	
7/9/2014	<0.002	<0.002				<0.002
10/24/2014						<0.002
1/13/2015	<0.002		<0.002	<0.002	<0.002	
1/14/2015		<0.002				<0.002
5/10/2015						<0.002
7/16/2015	<0.002		<0.002	0.0044 (J)	<0.002	
7/17/2015		<0.002				<0.002
1/17/2016	<0.002					<0.002
1/18/2016		<0.002		0.0034 (J)	<0.002	
1/19/2016			<0.002			
4/26/2016						<0.002
7/26/2016			0.0001 (J)		<0.002	
7/27/2016	<0.002			0.0001 (J)		<0.002
7/28/2016		<0.002				
8/31/2016	<0.002	0.0007 (J)	0.0002 (J)	0.0001 (J)	<0.002	
9/1/2016						<0.002
10/25/2016						<0.002
10/26/2016	<0.002		0.0001 (J)	0.0001 (J)	<0.002	
10/27/2016		<0.002				
1/4/2017			0.0002 (J)	<0.002		
1/5/2017	<0.002				0.0002 (J)	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/6/2017		<0.002				
4/4/2017	0.0002 (J)					0.0001 (J)
4/5/2017				0.0003 (J)		
4/6/2017		0.0001 (J)	0.0003 (J)		0.0005 (J)	
7/10/2017				0.0003 (J)		
7/11/2017			0.0002 (J)			8E-05 (J)
7/12/2017		<0.002			0.0005 (J)	
7/13/2017	0.0003 (J)					
10/2/2017						0.0001 (J)
10/3/2017	<0.002		0.0003 (J)			
10/4/2017		9E-05 (J)		0.0001 (J)	0.0007 (J)	
1/9/2018						<0.002
1/10/2018	8E-05 (J)				0.0009 (J)	
1/11/2018		0.0002 (J)	0.0003 (J)	0.0002 (J)		
7/9/2018						<0.002
7/10/2018	<0.002					
7/11/2018		<0.002	<0.002	<0.002	0.0015 (J)	
1/16/2019					0.00061 (J)	<0.002
1/17/2019			0.00028 (J)	<0.002		
1/18/2019		<0.002				
1/21/2019	<0.002					
3/26/2019					<0.002	<0.002
3/27/2019		<0.002	0.00029 (J)	<0.002		
7/30/2019	0.0002 (J)					
8/27/2019	<0.002		0.00021 (J)	<0.002	0.0001 (J)	0.00051 (J)
8/28/2019		6.1E-05 (J)				
10/8/2019			0.00028 (J)		0.00013 (J)	<0.002
10/9/2019	6.4E-05 (J)	<0.002		6.6E-05 (J)		
4/7/2020			0.00036 (J)	8.1E-05 (J)		<0.002
4/8/2020	<0.002	0.00021 (J)			0.00017 (J)	
8/17/2020				4.9E-05 (J)	7.6E-05 (J)	
8/18/2020	<0.002		0.00035 (J)			<0.002
8/19/2020		9.6E-05 (J)				
9/28/2020					6.4E-05 (J)	
9/29/2020	<0.002		0.00032 (J)	3.7E-05 (J)		<0.002
10/1/2020		3.8E-05 (J)				
3/10/2021		0.00012 (J)	0.00042 (J)	6.8E-05 (J)		
3/15/2021	4.1E-05 (J)				0.00013 (J)	
3/16/2021						<0.002
9/21/2021			<0.002	<0.002	<0.002	
9/22/2021	<0.002	<0.002				<0.002
2/2/2022	<0.002	<0.002				<0.002
2/3/2022			<0.002	<0.002	<0.002	
8/30/2022				<0.002		<0.002
8/31/2022			<0.002		<0.002	
9/1/2022	<0.002	<0.002				
2/1/2023		<0.002	<0.002	<0.002	<0.002	
2/2/2023	<0.002					<0.002
8/29/2023	<0.002	<0.002			<0.002	
9/6/2023			<0.002	<0.002		<0.002
1/24/2024		<0.002	<0.002			
1/25/2024	<0.002			<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/28/2025			<0.002			
1/29/2025	<0.002	<0.002		<0.002	<0.002	<0.002
7/29/2025			<0.002			
7/30/2025	<0.002	<0.002		<0.002	<0.002	<0.002
1/27/2026			<0.002			
1/28/2026	<0.002	<0.002		<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.002	<0.002	<0.002			
11/21/2000	<0.002	<0.002	<0.002			
1/20/2001	<0.002	<0.002	<0.002			
3/14/2001	<0.002	<0.002	<0.002			
7/16/2001	<0.002	<0.002	<0.002			
11/1/2001	<0.002	<0.002	<0.002			
4/25/2002	<0.002	<0.002	<0.002			
11/21/2002	<0.002	<0.002	<0.002			
6/6/2003	<0.002	0.099 (O)	<0.002			
12/12/2003	0.0065	0.017 (O)	<0.002			
5/26/2004	<0.002	<0.002				
5/27/2004			<0.002			
12/8/2004	<0.002	<0.002	<0.002			
6/21/2005		<0.002				
6/23/2005	<0.002		<0.002			
12/3/2005	<0.002					
12/4/2005		<0.002				
12/5/2005			<0.002			
4/4/2006		<0.002				
6/29/2006	<0.002	<0.002	<0.002			
8/30/2006		<0.002				
12/4/2006	<0.002	<0.002	<0.002			
2/15/2007		<0.002				
6/23/2007	<0.002	<0.002	<0.002			
9/11/2007		<0.002				
9/12/2007	<0.002		<0.002			
11/6/2007	<0.002	<0.002	<0.002			
12/12/2007	<0.002	<0.002	<0.002			
1/16/2008	<0.002	<0.002	<0.002			
3/11/2008		<0.002				
3/12/2008	<0.002					
3/13/2008			<0.002			
6/4/2008			<0.002			
6/5/2008	<0.002	<0.002				
6/24/2008	<0.002	<0.002	<0.002			
7/31/2008	<0.002	<0.002	<0.002			
11/3/2008		<0.002				
12/5/2008	<0.002	<0.002	<0.002			
3/25/2009		<0.002				
7/8/2009	<0.002	<0.002	<0.002			
9/14/2009		<0.002				
12/20/2009	<0.002	<0.002				
12/21/2009			<0.002			
3/4/2010		<0.002				
6/20/2010	<0.002					
6/21/2010		<0.002	<0.002	<0.002	<0.002	<0.002
9/14/2010		<0.002				
1/7/2011	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/15/2011		<0.002				
7/7/2011	<0.002	<0.002				
7/8/2011			<0.002	<0.002	<0.002	<0.002
9/25/2011		<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.002					
1/18/2012		<0.002	<0.002	<0.002	<0.002	<0.002
4/4/2012		<0.002				
7/9/2012	<0.002					
7/10/2012		<0.002	<0.002	<0.002	<0.002	<0.002
10/9/2012		<0.002				
1/18/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
4/5/2013		<0.002				
7/17/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/11/2013		<0.002				
1/13/2014	<0.002					
1/14/2014		<0.002	<0.002	<0.002	<0.002	<0.002
4/3/2014		<0.002				
7/9/2014	<0.002	<0.002	<0.002		<0.002	
7/10/2014				<0.002		<0.002
10/24/2014		<0.002				
1/12/2015				<0.002		
1/13/2015	<0.002					
1/14/2015		<0.002	<0.002		<0.002	<0.002
5/11/2015		<0.002				
7/16/2015	<0.002	<0.002				
7/17/2015					<0.002	
7/18/2015			<0.002	<0.002		<0.002
1/17/2016	<0.002	<0.002		<0.002	<0.002	
1/18/2016			<0.002			<0.002
4/26/2016		<0.002				
7/27/2016	<0.002					
7/28/2016		<0.002		<0.002	<0.002	
7/29/2016			<0.002			0.0004 (J)
8/31/2016						0.0003 (J)
9/1/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
10/25/2016	<0.002	0.0002 (J)		0.0001 (J)	<0.002	
10/26/2016			<0.002			0.0003 (J)
1/4/2017		0.0001 (J)		<0.002	<0.002	0.0003 (J)
1/5/2017	<0.002		<0.002			
4/3/2017	0.0003 (J)					
4/4/2017				7E-05 (J)	9E-05 (J)	
4/5/2017		0.0002 (J)	0.0009 (J)			
4/6/2017						0.0003 (J)
7/11/2017	0.0001 (J)			<0.002		0.0002 (J)
7/12/2017		0.0001 (J)				
7/13/2017			<0.002		7E-05 (J)	
10/2/2017	0.0002 (J)			<0.002		
10/3/2017		0.0001 (J)			0.0001 (J)	
10/4/2017			0.0001 (J)			0.0008 (J)
1/9/2018	0.0002 (J)				9E-05 (J)	
1/10/2018		0.0002 (J)		0.0002 (J)		
1/11/2018			0.0001 (J)			0.0009 (J)
7/9/2018				<0.002		
7/10/2018	<0.002	<0.002			<0.002	
7/11/2018			<0.002			0.001 (J)
1/16/2019			<0.002			

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2019	<0.002	<0.002			<0.002	
1/18/2019						0.0012 (J)
1/21/2019				<0.002		
3/25/2019				<0.002		
3/26/2019	<0.002	<0.002	<0.002		<0.002	
3/27/2019						0.00047 (J)
8/27/2019	0.00033 (J)					0.003 (J)
8/28/2019		0.0001 (J)	<0.002	6.5E-05 (J)	0.00018 (J)	
10/8/2019	0.00012 (J)	0.0001 (J)			0.00016 (J)	
10/9/2019			0.00015 (J)	0.00018 (J)		0.00032 (J)
4/7/2020	8.6E-05 (J)	0.00023 (J)			<0.002	0.00067 (J)
4/8/2020			8.4E-05 (J)	<0.002		
8/18/2020	9E-05 (J)	0.00017 (J)	0.00014 (J)	<0.002	0.00027 (J)	0.00072 (J)
9/30/2020	4.7E-05 (J)	9.1E-05 (J)	6E-05 (J)	<0.002	5.4E-05 (J)	0.00023 (J)
3/10/2021						0.00016 (J)
3/11/2021			0.00019 (J)			
3/12/2021	5.3E-05 (J)			<0.002		
3/16/2021		7.3E-05 (J)			<0.002	
9/21/2021						<0.002
9/22/2021		<0.002	<0.002	<0.002	<0.002	
9/23/2021	<0.002					
2/1/2022		<0.002	<0.002	<0.002	<0.002	
2/3/2022	<0.002					<0.002
8/30/2022				<0.002	<0.002	
8/31/2022	<0.002		<0.002			<0.002
9/1/2022		<0.002				
2/1/2023		<0.002	<0.002	<0.002		
2/2/2023	<0.002				<0.002	<0.002
8/29/2023			<0.002			0.000511 (J)
9/6/2023		<0.002		<0.002	<0.002	
9/7/2023	<0.002					
1/23/2024						<0.002
1/24/2024	<0.002		<0.002	<0.002		
1/25/2024		<0.002			<0.002	
8/21/2024	<0.002	<0.002	<0.002	<0.002		<0.002
8/22/2024					<0.002	
1/28/2025			<0.002			<0.002
1/29/2025	<0.002	<0.002		<0.002	<0.002	
7/29/2025			<0.002	<0.002		<0.002
7/30/2025	<0.002	<0.002			<0.002	
1/27/2026	<0.002			<0.002		
1/28/2026		<0.002	<0.002		<0.002	0.000502 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	5.7E-05 (J)	9.4E-05 (J)	9.5E-05 (J)	0.00015 (J)
9/21/2021				<0.002
9/22/2021	<0.002	<0.002		
9/23/2021			<0.002	
2/1/2022		<0.002		
2/2/2022				<0.002
2/3/2022	<0.002		<0.002	
8/31/2022	<0.002		<0.002	
9/1/2022		<0.002		
2/1/2023	<0.002			
2/2/2023		<0.002	<0.002	
9/6/2023	<0.002	<0.002		
9/7/2023			<0.002	
1/24/2024	<0.002			
1/25/2024		<0.002	<0.002	<0.002
8/20/2024				<0.002
8/21/2024	<0.002	<0.002	<0.002	
1/28/2025				<0.002
1/29/2025	<0.002	<0.002	<0.002	
7/29/2025	<0.002			<0.002
7/30/2025		<0.002	<0.002	
1/27/2026			<0.002	
1/28/2026	<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		<0.01		0.0042 (J)	<0.01	<0.01
9/1/2016	<0.01		0.0092 (J)			
10/24/2016		<0.01				
10/25/2016	<0.01					<0.01
10/26/2016			0.0046 (J)	<0.01	<0.01	
1/3/2017		<0.01		0.0024 (J)		
1/4/2017						<0.01
1/5/2017					<0.01	
1/6/2017	<0.01		0.0042 (J)			
4/3/2017		<0.01				
4/4/2017			0.0056 (J)			<0.01
4/6/2017	<0.01			0.0051 (J)	<0.01	
7/11/2017		<0.01				
7/12/2017			0.0035 (J)	0.0031 (J)	<0.01	<0.01
7/13/2017	<0.01					
10/2/2017		<0.01				
10/3/2017				0.0027 (J)	<0.01	<0.01
10/4/2017	<0.01		0.0041 (J)			
1/9/2018	<0.01	<0.01			<0.01	
1/10/2018				0.0041 (J)		<0.01
1/11/2018			0.0052 (J)			
7/9/2018		0.001 (J)				
7/10/2018				0.005 (J)	<0.01	<0.01
7/11/2018	<0.01		0.0039 (J)			
1/16/2019						<0.01
8/26/2019	<0.01	0.0012 (J)				
8/27/2019			0.013 (J)		<0.01	<0.01
8/28/2019				<0.01		
10/7/2019		0.0012 (J)				
10/8/2019	<0.01					
10/9/2019			0.013 (J)	<0.01	<0.01	<0.01
4/6/2020	<0.01	0.00086 (J)				
4/7/2020			0.014 (J)	<0.01	<0.01	<0.01
8/17/2020		0.001 (J)				
8/19/2020	<0.01		0.014 (J)	<0.01	<0.01	<0.01
9/28/2020	<0.01	0.001 (J)				<0.01
9/30/2020				<0.01	<0.01	
10/1/2020			0.013 (J)			
3/10/2021			0.012 (J)	<0.01	<0.01	<0.01
3/11/2021	<0.01					
3/12/2021		0.0013 (J)				
9/21/2021	<0.01	0.00092 (J)	0.016 (J)	<0.01	<0.01	
9/23/2021						<0.01
1/31/2022	<0.01	0.00091 (J)				
2/2/2022			0.015 (J)		<0.01	
2/3/2022				<0.01		<0.01
8/30/2022	<0.01	<0.01	0.0175	<0.01	<0.01	
9/1/2022						<0.01
1/31/2023	<0.01	<0.01				
2/1/2023				<0.01	<0.01	
2/2/2023			0.0184			<0.01
8/28/2023	<0.01	<0.01				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/29/2023			0.0191	<0.01	<0.01	<0.01
1/23/2024	<0.01	<0.01			<0.01	<0.01
2/7/2024			0.0212			
2/8/2024				<0.01		
8/19/2024	<0.01					
8/20/2024			0.0194		<0.01	<0.01
8/21/2024		<0.01		<0.01		
1/27/2025		<0.01				
1/28/2025	<0.01		0.0268		<0.01	
1/29/2025				<0.01		<0.01
7/28/2025	<0.01	<0.01	0.0188			
7/29/2025					<0.01	<0.01
7/30/2025				<0.01		
1/27/2026	<0.01	<0.01	0.0216			<0.01
1/28/2026				<0.01	<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.01	<0.05 (O)	<0.01	<0.01	<0.01	
9/1/2016						<0.01
10/25/2016						<0.01
10/26/2016	<0.01		<0.01	<0.01	<0.01	
10/27/2016		0.0023 (J)				
1/4/2017			<0.01	<0.01		
1/5/2017	<0.01				<0.01	<0.01
1/6/2017		0.0021 (J)				
4/4/2017	<0.01					<0.01
4/5/2017				0.0012 (J)		
4/6/2017		0.0021 (J)	<0.01		<0.01	
7/10/2017				<0.01		
7/11/2017			<0.01			<0.01
7/12/2017		0.0017 (J)			<0.01	
7/13/2017	<0.01					
10/2/2017						<0.01
10/3/2017	<0.01		<0.01			
10/4/2017		0.0021 (J)		<0.01	<0.01	
1/9/2018						<0.01
1/10/2018	<0.01				<0.01	
1/11/2018		0.0022 (J)	<0.01	<0.01		
7/9/2018						<0.01
7/10/2018	<0.01					
7/11/2018		0.0019 (J)	<0.01	0.00098 (J)	<0.01	
7/30/2019	<0.01					
8/27/2019	<0.01		<0.01	0.00094 (J)	<0.01	<0.01
8/28/2019		0.0018 (J)				
10/8/2019			<0.01		<0.01	<0.01
10/9/2019	<0.01	0.0018 (J)		0.0011 (J)		
4/7/2020			<0.01	0.00094 (J)		<0.01
4/8/2020	<0.01	0.0018 (J)			<0.01	
8/17/2020				0.00091 (J)	<0.01	
8/18/2020	<0.01		<0.01			<0.01
8/19/2020		0.0019 (J)				
9/28/2020					<0.01	
9/29/2020	<0.01		<0.01	0.00086 (J)		<0.01
10/1/2020		0.0019 (J)				
3/10/2021		0.0018 (J)	<0.01	0.00095 (J)		
3/15/2021	<0.01				<0.01	
3/16/2021						<0.01
9/21/2021			<0.01	0.00091 (J)	0.00087 (J)	
9/22/2021	<0.01	0.0015 (J)				<0.01
2/2/2022	<0.01	0.0017 (J)				<0.01
2/3/2022			<0.01	0.001 (J)	0.00077 (J)	
8/30/2022				<0.01		<0.01
8/31/2022			<0.01		<0.01	
9/1/2022	<0.01	<0.01				
2/1/2023		<0.01	<0.01	<0.01	<0.01	
2/2/2023	<0.01					<0.01
8/29/2023	<0.01	<0.01			<0.01	
9/6/2023			<0.01	<0.01		<0.01
1/24/2024		<0.01	<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.01			<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
1/28/2025			<0.01			
1/29/2025	<0.01	<0.01		<0.01	<0.01	<0.01
7/29/2025			<0.01			
7/30/2025	<0.01	<0.01		<0.01	<0.01	<0.01
1/27/2026			<0.01			
1/28/2026	<0.01	<0.01		<0.01	<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						<0.01
9/1/2016	<0.01	<0.01	0.0066 (J)	<0.01	<0.01	
10/25/2016	<0.01	<0.01		<0.01	<0.01	
10/26/2016			0.0065 (J)			<0.01
1/4/2017		<0.01		<0.01	<0.01	<0.01
1/5/2017	<0.01		0.0062 (J)			
4/3/2017	<0.01					
4/4/2017				<0.01	<0.01	
4/5/2017		<0.01	0.007 (J)			
4/6/2017						<0.01
7/11/2017	<0.01			<0.01		<0.01
7/12/2017		<0.01				
7/13/2017			0.0069 (J)		<0.01	
10/2/2017	<0.01			<0.01		
10/3/2017		<0.01			<0.01	
10/4/2017			0.0082 (J)			<0.01
1/9/2018	<0.01				<0.01	
1/10/2018		<0.01		<0.01		
1/11/2018			0.0061 (J)			<0.01
7/9/2018				<0.01		
7/10/2018	<0.01	<0.01			<0.01	
7/11/2018			0.0075 (J)			<0.01
8/27/2019	<0.01					<0.01
8/28/2019		<0.01	0.0041 (J)	<0.01	<0.01	
10/8/2019	<0.01	<0.01			<0.01	
10/9/2019			0.0046 (J)	<0.01		<0.01
4/7/2020	<0.01	<0.01			<0.01	<0.01
4/8/2020			0.0051 (J)	<0.01		
8/18/2020	<0.01	<0.01	0.0065 (J)	<0.01	<0.01	<0.01
9/30/2020	<0.01	<0.01	0.0041 (J)	<0.01	<0.01	<0.01
3/10/2021						<0.01
3/11/2021			0.0036 (J)			
3/12/2021	<0.01			<0.01		
3/16/2021		<0.01			<0.01	
9/21/2021						<0.01
9/22/2021		<0.01	0.005 (J)	<0.01	<0.01	
9/23/2021	<0.01					
2/1/2022		<0.01	0.0061 (J)	<0.01	<0.01	
2/3/2022	<0.01					<0.01
8/30/2022				<0.01	<0.01	
8/31/2022	<0.01		0.00688 (J)			<0.01
9/1/2022		<0.01				
2/1/2023		<0.01	0.00532 (J)	<0.01		
2/2/2023	<0.01				<0.01	<0.01
8/29/2023			0.00502 (J)			<0.01
9/6/2023		<0.01		<0.01	<0.01	
9/7/2023	<0.01					
1/23/2024						<0.01
1/24/2024	<0.01		0.00477 (J)	<0.01		
1/25/2024		<0.01			<0.01	
8/21/2024	<0.01	<0.01	0.00567 (J)	<0.01		<0.01
8/22/2024					<0.01	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/28/2025			0.00463 (J)			<0.01
1/29/2025	<0.01	<0.01		<0.01	<0.01	
7/29/2025			0.00495 (J)	<0.01		<0.01
7/30/2025	<0.01	<0.01			<0.01	
1/27/2026	<0.01			<0.01		
1/28/2026		<0.01	0.00734 (J)		<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Lithium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.01	<0.01	<0.01	<0.01
9/21/2021				<0.01
9/22/2021	<0.01	<0.01		
9/23/2021			<0.01	
2/1/2022		<0.01		
2/2/2022				<0.01
2/3/2022	<0.01		<0.01	
8/31/2022	<0.01		<0.01	
9/1/2022		<0.01		
2/1/2023	<0.01			
2/2/2023		<0.01	<0.01	
9/6/2023	<0.01	<0.01		
9/7/2023			<0.01	
1/24/2024	<0.01			
1/25/2024		<0.01	<0.01	<0.01
8/20/2024				<0.01
8/21/2024	<0.01	<0.01	<0.01	
1/28/2025				<0.01
1/29/2025	<0.01	<0.01	<0.01	
7/29/2025	<0.01			<0.01
7/30/2025		<0.01	<0.01	
1/27/2026			<0.01	
1/28/2026	<0.01	<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		<0.0002		<0.0002	<0.0002	4E-05 (J)
9/1/2016	0.00017 (J)		<0.0002			
10/24/2016		<0.0002				
10/25/2016	<0.0002					<0.0002
10/26/2016			<0.0002	<0.0002	<0.0002	
1/3/2017		<0.0002		<0.0002		
1/4/2017						<0.0002
1/5/2017					<0.0002	
1/6/2017	<0.0002		<0.0002			
4/3/2017		<0.0002				
4/4/2017			<0.0002			<0.0002
4/6/2017	4E-05 (J)			<0.0002	<0.0002	
7/11/2017		<0.0002				
7/12/2017			<0.0002	<0.0002	<0.0002	<0.0002
7/13/2017	<0.0002					
10/2/2017		<0.0002				
10/3/2017				<0.0002	<0.0002	<0.0002
10/4/2017	0.0001 (J)		<0.0002			
1/9/2018	<0.0002	<0.0002			<0.0002	
1/10/2018				<0.0002		<0.0002
1/11/2018			<0.0002			
7/9/2018		<0.0002				
7/10/2018				<0.0002	<0.0002	<0.0002
7/11/2018	<0.0002		<0.0002			
1/16/2019	<0.0002	<0.0002	4.9E-05 (J)	<0.0002	4.3E-05 (J)	<0.0002
8/26/2019	<0.0002	<0.0002				
8/27/2019			<0.0002		<0.0002	<0.0002
8/28/2019				<0.0002		
10/9/2019				<0.0002		
8/17/2020		<0.0002				
8/19/2020	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
9/21/2021	0.0001 (J)	0.00011 (J)	0.0001 (J)	0.0001 (J)	0.0001 (J)	
9/23/2021						0.0001 (J)
1/31/2022	<0.0002	<0.0002				
2/2/2022			<0.0002		<0.0002	
2/3/2022				<0.0002		<0.0002
8/30/2022	<0.0002	<0.0002	<0.0002	8.7E-05 (J)	<0.0002	
9/1/2022						<0.0002
1/31/2023	<0.0002	<0.0002				
2/1/2023				<0.0002	<0.0002	
2/2/2023			<0.0002			<0.0002
8/28/2023	<0.0002	<0.0002				
8/29/2023			<0.0002	<0.0002	<0.0002	<0.0002
1/23/2024	<0.0002	<0.0002			<0.0002	<0.0002
2/7/2024			0.000487			
2/8/2024				0.000135 (J)		
8/19/2024	<0.0002					
8/20/2024			<0.0002		<0.0002	<0.0002
8/21/2024		<0.0002		<0.0002		
1/27/2025		<0.0002				
1/28/2025	<0.0002		0.000287		<0.0002	
1/29/2025				<0.0002		0.000274

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/28/2025	<0.0002	<0.0002	<0.0002			
7/29/2025					<0.0002	<0.0002
7/30/2025				<0.0002		
1/27/2026	<0.0002	<0.0002	<0.0002			<0.0002
1/28/2026				<0.0002	<0.0002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
9/1/2016						<0.0002
10/25/2016						<0.0002
10/26/2016	<0.0002		<0.0002	<0.0002	<0.0002	
10/27/2016		<0.0002				
1/4/2017			<0.0002	<0.0002		
1/5/2017	<0.0002				<0.0002	<0.0002
1/6/2017		<0.0002				
4/4/2017	<0.0002					<0.0002
4/5/2017				<0.0002		
4/6/2017		<0.0002	<0.0002		0.00013 (J)	
7/10/2017				<0.0002		
7/11/2017			<0.0002			<0.0002
7/12/2017		<0.0002			<0.0002	
7/13/2017	<0.0002					
10/2/2017						<0.0002
10/3/2017	<0.0002		<0.0002			
10/4/2017		5E-05 (J)		<0.0002	<0.0002	
1/9/2018						<0.0002
1/10/2018	<0.0002				<0.0002	
1/11/2018		<0.0002	<0.0002	<0.0002		
7/9/2018						<0.0002
7/10/2018	<0.0002					
7/11/2018		<0.0002	<0.0002	<0.0002	<0.0002	
1/16/2019					<0.0002	<0.0002
1/17/2019			<0.0002	<0.0002		
1/18/2019		<0.0002				
1/21/2019	<0.0002					
7/30/2019	<0.0002					
8/27/2019	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
8/28/2019		<0.0002				
8/17/2020				<0.0002	<0.0002	
8/18/2020	<0.0002		<0.0002			<0.0002
8/19/2020		<0.0002				
9/21/2021			0.0001 (J)	0.0001 (J)	0.0001 (J)	
9/22/2021	0.0001 (J)	0.00011 (J)				0.00011 (J)
2/2/2022	<0.0002	<0.0002				<0.0002
2/3/2022			<0.0002	<0.0002	<0.0002	
8/30/2022				<0.0002		<0.0002
8/31/2022			<0.0002		<0.0002	
9/1/2022	<0.0002	<0.0002				
2/1/2023		<0.0002	<0.0002	<0.0002	<0.0002	
2/2/2023	<0.0002					<0.0002
8/29/2023	<0.0002	<0.0002			<0.0002	
9/6/2023			<0.0002	<0.0002		<0.0002
1/24/2024		<0.0002	<0.0002			
1/25/2024	<0.0002			<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/28/2025			<0.0002			
1/29/2025	<0.0002	9.5E-05 (J)		<0.0002	<0.0002	<0.0002
7/29/2025			<0.0002			
7/30/2025	<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 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/27/2026			<0.0002			
1/28/2026	<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 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						<0.0002
9/1/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
10/25/2016	<0.0002	<0.0002		<0.0002	<0.0002	
10/26/2016			<0.0002			<0.0002
1/4/2017		<0.0002		<0.0002	<0.0002	<0.0002
1/5/2017	<0.0002		<0.0002			
4/3/2017	<0.0002					
4/4/2017				<0.0002	<0.0002	
4/5/2017		<0.0002	<0.0002			
4/6/2017						<0.0002
7/11/2017	<0.0002			<0.0002		<0.0002
7/12/2017		<0.0002				
7/13/2017			<0.0002		<0.0002	
10/2/2017	<0.0002			<0.0002		
10/3/2017		<0.0002			<0.0002	
10/4/2017			<0.0002			<0.0002
1/9/2018	<0.0002				<0.0002	
1/10/2018		<0.0002		<0.0002		
1/11/2018			<0.0002			<0.0002
7/9/2018				<0.0002		
7/10/2018	<0.0002	<0.0002			<0.0002	
7/11/2018			<0.0002			<0.0002
1/16/2019			<0.0002			
1/17/2019	<0.0002	<0.0002			<0.0002	
1/18/2019						<0.0002
1/21/2019				<0.0002		
8/27/2019	<0.0002					<0.0002
8/28/2019		<0.0002	<0.0002	<0.0002	<0.0002	
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/21/2021						0.0001 (J)
9/22/2021		0.0001 (J)	0.00011 (J)	0.00011 (J)	0.00011 (J)	
9/23/2021	0.0001 (J)					
2/1/2022		<0.0002	<0.0002	<0.0002	<0.0002	
2/3/2022	<0.0002					<0.0002
8/30/2022				<0.0002	<0.0002	
8/31/2022	<0.0002		<0.0002			<0.0002
9/1/2022		<0.0002				
2/1/2023		<0.0002	<0.0002	<0.0002		
2/2/2023	<0.0002				<0.0002	<0.0002
8/29/2023			<0.0002			<0.0002
9/6/2023		<0.0002		<0.0002	<0.0002	
9/7/2023	<0.0002					
1/23/2024						<0.0002
1/24/2024	<0.0002		0.000172 (J)	<0.0002		
1/25/2024		<0.0002			<0.0002	
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
8/22/2024					<0.0002	
1/28/2025			0.000349			<0.0002
1/29/2025	<0.0002	<0.0002		<0.0002	<0.0002	
7/29/2025			<0.0002	<0.0002		<0.0002
7/30/2025	<0.0002	<0.0002			<0.0002	
1/27/2026	<0.0002			<0.0002		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/28/2026		<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 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
9/21/2021				0.0001 (J)
9/22/2021	0.00011 (J)	0.0001 (J)		
9/23/2021			0.0001 (J)	
2/1/2022		<0.0002		
2/2/2022				<0.0002
2/3/2022	<0.0002		<0.0002	
8/31/2022	<0.0002		<0.0002	
9/1/2022		<0.0002		
2/1/2023	<0.0002			
2/2/2023		<0.0002	<0.0002	
9/6/2023	<0.0002	<0.0002		
9/7/2023			<0.0002	
1/24/2024	<0.0002			
1/25/2024		<0.0002	<0.0002	<0.0002
8/20/2024				<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	
1/28/2025				<0.0002
1/29/2025	<0.0002	0.000222	0.000333	
7/29/2025	<0.0002			<0.0002
7/30/2025		<0.0002	<0.0002	
1/27/2026			<0.0002	
1/28/2026	<0.0002	<0.0002		<0.0002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		<0.001		<0.001	<0.01	0.175
9/1/2016	0.0098 (J)		0.035			
10/24/2016		<0.001				
10/25/2016	<0.05					0.242
10/26/2016			0.0267	<0.001	<0.01	
1/3/2017		<0.001		<0.001		
1/4/2017						0.167
1/5/2017					<0.01	
1/6/2017	<0.05		0.0278			
4/3/2017		<0.001				
4/4/2017			0.0265			0.172
4/6/2017	<0.05			<0.001	<0.01	
7/11/2017		<0.001				
7/12/2017			0.0209	<0.001	<0.01	0.182
7/13/2017	0.0013 (J)					
10/2/2017		<0.001				
10/3/2017				<0.001	<0.01	0.162
10/4/2017	0.0013 (J)		0.0181			
1/9/2018	<0.05	<0.001			<0.01	
1/10/2018				<0.001		0.117
1/11/2018			0.0237			
7/9/2018		<0.001				
7/10/2018				<0.001	<0.01	0.11
7/11/2018	<0.05		0.024			
1/16/2019						0.087
8/26/2019	<0.05	<0.001				
8/27/2019			0.1		0.0026 (J)	0.06
8/28/2019				0.0012 (J)		
10/7/2019		<0.001				
10/8/2019	<0.05					
10/9/2019			0.1	<0.001	<0.01	0.06
4/6/2020	<0.05	<0.001				
4/7/2020			0.13	<0.001	<0.01	0.014
8/17/2020		<0.001				
8/19/2020	<0.05		0.16	<0.001	0.001 (J)	0.061
9/28/2020	<0.05	<0.001				0.059
9/30/2020				<0.001	0.00097 (J)	
10/1/2020			0.15			
3/10/2021			0.12	<0.001	0.0013 (J)	0.057
3/11/2021	<0.05					
3/12/2021		<0.001				
9/21/2021	<0.05	<0.001	0.12	<0.001	<0.01	
9/23/2021						0.06
1/31/2022	<0.05	<0.001				
2/2/2022			0.11		0.00085 (J)	
2/3/2022				<0.001		0.038
8/30/2022	0.000453 (J)	<0.001	0.154	<0.001	0.000649 (J)	
9/1/2022						0.0343
1/31/2023	0.000364 (J)	<0.001				
2/1/2023				0.00069 (J)	0.000553 (J)	
2/2/2023			0.199			0.0433
8/28/2023	0.000543 (J)	<0.001				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/29/2023			0.136	<0.001	0.000729 (J)	0.0293
1/23/2024	0.000396 (J)	<0.001			0.000349 (J)	0.0408
2/7/2024			0.138			
2/8/2024				0.002		
8/19/2024	0.000468 (J)					
8/20/2024			0.103		0.000521 (J)	0.016
8/21/2024		<0.001		0.000577 (J)		
1/27/2025		<0.001				
1/28/2025	0.000382 (J)		0.121		0.00042 (J)	
1/29/2025				0.000347 (J)		0.0405
7/28/2025	0.000426 (J)	<0.001	0.102			
7/29/2025					0.000468 (J)	0.0402
7/30/2025				0.000258 (J)		
1/27/2026	0.000715 (J)	<0.001	0.159			0.0376
1/28/2026				<0.001	0.000615 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.001	<0.001	<0.01	<0.001	<0.001	
9/1/2016						0.0027 (J)
10/25/2016						0.0028 (J)
10/26/2016	<0.001		<0.01	<0.001	<0.001	
10/27/2016		<0.001				
1/4/2017			<0.01	<0.001		
1/5/2017	<0.001				<0.001	0.0022 (J)
1/6/2017		<0.001				
4/4/2017	<0.001					0.0022 (J)
4/5/2017				<0.001		
4/6/2017		<0.001	<0.01		<0.001	
7/10/2017				<0.001		
7/11/2017			<0.01			0.0024 (J)
7/12/2017		<0.001			<0.001	
7/13/2017	<0.001					
10/2/2017						0.0025 (J)
10/3/2017	<0.001		<0.01			
10/4/2017		<0.001		<0.001	<0.001	
1/9/2018						0.0038 (J)
1/10/2018	<0.001				<0.001	
1/11/2018		<0.001	0.0018 (J)	<0.001		
7/9/2018						0.01
7/10/2018	<0.001					
7/11/2018		<0.001	<0.01	<0.001	<0.001	
7/30/2019	<0.001					
8/27/2019	<0.001		<0.01	<0.001	<0.001	0.028
8/28/2019		<0.001				
10/8/2019			<0.01		<0.001	0.034
10/9/2019	<0.001	<0.001		<0.001		
4/7/2020			<0.01	<0.001		0.014
4/8/2020	<0.001	<0.001			0.0056 (J)	
8/17/2020				<0.001	<0.001	
8/18/2020	<0.001		0.00077 (J)			0.017
8/19/2020		<0.001				
9/28/2020					<0.001	
9/29/2020	<0.001		<0.01	<0.001		0.0089 (J)
10/1/2020		<0.001				
3/10/2021		<0.001	<0.01	<0.001		
3/15/2021	<0.001				<0.001	
3/16/2021						0.0054 (J)
9/21/2021			<0.01	<0.001	<0.001	
9/22/2021	<0.001	<0.001				0.018
2/2/2022	<0.001	<0.001				0.015
2/3/2022			<0.01	<0.001	<0.001	
8/30/2022				0.000205 (J)		0.0133
8/31/2022			0.000512 (J)		<0.001	
9/1/2022	<0.001	<0.001				
2/1/2023		<0.001	0.000613 (J)	<0.001	<0.001	
2/2/2023	<0.001					0.0167
8/29/2023	<0.001	<0.001			<0.001	
9/6/2023			0.000804 (J)	<0.001		0.0199
1/24/2024		<0.001	0.000534 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	0.000312 (J)			<0.001	<0.001	0.0151
8/21/2024	<0.001	<0.001	0.000489 (J)	<0.001	<0.001	0.00505
1/28/2025			0.000507 (J)			
1/29/2025	<0.001	<0.001		<0.001	<0.001	0.014
7/29/2025			0.000497 (J)			
7/30/2025	<0.001	<0.001		<0.001	<0.001	0.0186
1/27/2026			0.000614 (J)			
1/28/2026	<0.001	<0.001		<0.001	<0.001	0.0186

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						<0.001
9/1/2016	0.132	0.08	<0.01	0.296	0.0686	
10/25/2016	0.117	0.08		0.395	0.0018 (J)	
10/26/2016			<0.01			<0.001
1/4/2017		0.0786		0.229	0.0222	<0.001
1/5/2017	0.109		<0.01			
4/3/2017	0.0994					
4/4/2017				0.147	0.0476	
4/5/2017		0.113	<0.01			
4/6/2017						<0.001
7/11/2017	0.0938			0.136		<0.001
7/12/2017		0.178				
7/13/2017			<0.01		0.0105	
10/2/2017	0.103			0.13		
10/3/2017		0.201			0.0031 (J)	
10/4/2017			<0.01			<0.001
1/9/2018	0.106				0.09	
1/10/2018		0.161		0.229		
1/11/2018			<0.01			<0.001
7/9/2018				0.13		
7/10/2018	0.088	0.14			0.047	
7/11/2018			<0.01			<0.001
8/27/2019	0.095					<0.001
8/28/2019		0.22	0.004 (J)	0.11	0.07	
10/8/2019	0.091	0.2			0.078	
10/9/2019			0.0036 (J)	0.071		<0.001
4/7/2020	0.07	0.25			0.012	<0.001
4/8/2020			0.0024 (J)	0.06		
8/18/2020	0.12	0.15	0.00092 (J)	0.097	0.069	<0.001
9/30/2020	0.11	0.15	0.0041 (J)	0.33	0.028	<0.001
3/10/2021						<0.001
3/11/2021			0.0038 (J)			
3/12/2021	0.098			0.53		
3/16/2021		0.31			0.024	
9/21/2021						<0.001
9/22/2021		0.22	0.0053 (J)	0.5	0.0019 (J)	
9/23/2021	0.094					
2/1/2022		0.18	0.003 (J)	0.77	0.042	
2/3/2022	0.086					<0.001
8/30/2022				0.309	0.049	
8/31/2022	0.0786		0.00252			<0.001
9/1/2022		0.154				
2/1/2023		0.136	0.00484	0.384		
2/2/2023	0.0748				0.0352	0.000334 (J)
8/29/2023			0.00312			<0.001
9/6/2023		0.0886		0.753	0.0458	
9/7/2023	0.0588					
1/23/2024						<0.001
1/24/2024	0.0677		0.00353	0.12		
1/25/2024		0.0816			0.0355	
8/21/2024	0.0752	0.114	0.00354	0.506		<0.001
8/22/2024					0.0159	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/28/2025			0.00404			<0.001
1/29/2025	0.0495	0.0809		0.546	0.0586	
7/29/2025			0.00493	0.975		0.00364
7/30/2025	0.041	0.0922			0.0361	
1/27/2026	0.0689			0.748		
1/28/2026		0.0867	0.00393		0.0956	0.000321 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.0011 (J)	<0.001
1/21/2021	<0.001	0.0014 (J)		
3/11/2021	<0.001	0.0035 (J)	0.0015 (J)	<0.001
9/21/2021				<0.001
9/22/2021	<0.001	0.0032 (J)		
9/23/2021			<0.001	
2/1/2022		0.0024 (J)		
2/2/2022				<0.001
2/3/2022	<0.001		<0.001	
8/31/2022	<0.001		0.000863 (J)	
9/1/2022		0.00174		
2/1/2023	<0.001			
2/2/2023		0.00113	<0.001	
9/6/2023	<0.001	0.000882 (J)		
9/7/2023			<0.001	
1/24/2024	0.000408 (J)			
1/25/2024		0.000995 (J)	0.000257 (J)	<0.001
8/20/2024				<0.001
8/21/2024	<0.001	0.000894 (J)	<0.001	
1/28/2025				<0.001
1/29/2025	<0.001	0.000751 (J)	<0.001	
7/29/2025	<0.001			<0.001
7/30/2025		0.000628 (J)	<0.001	
1/27/2026			0.000208 (J)	
1/28/2026	<0.001	0.000879 (J)		0.000204 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH, Field (SU) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/16/2013			6.22	5.95	5.25	5.38
10/11/2014		4.42				
8/30/2016		4.42		5.16	5.25	5.38
9/1/2016	5.93		5.72			
10/24/2016		4.36				
10/25/2016	6.17					5.51
10/26/2016			6.06	5.27	5.21	
1/3/2017		4.28		5.09		
1/4/2017						5.46
1/5/2017					5.2	
1/6/2017	6.16		6.02			
4/3/2017		4.29				
4/4/2017			6.08			5.43
4/6/2017	6.26			5.22	5.17	
7/11/2017		4.35				
7/12/2017			5.93	5.29	5.24	5.46
7/13/2017	5.99					
10/2/2017		4.32				
10/3/2017				5.08	5.36	5.65
10/4/2017	6.16		5.77			
1/9/2018	6.43	4.44			5.4	
1/10/2018				5.83		5.67
1/11/2018			5.98			
7/9/2018		4.4				
7/10/2018				6.42	5.31	5.71
7/11/2018	6.1		6.01			
1/16/2019	6.05	6.16 (O)	5.83	6.66	5.99	5.59
3/25/2019	6.06	4.4	5.74			
3/26/2019				5.1	5.94	5.77
8/26/2019	5.91	4.26				
8/27/2019			5.7		5.67	5.84
8/28/2019				5.95		
10/7/2019		4.24				
10/8/2019	5.74					
10/9/2019			5.79	6.11	5.66	5.82
4/6/2020	6.02	4.52				
4/7/2020			5.74	5.45	5.86	5.36
8/17/2020		4.23				
8/19/2020	5.81		5.7	5.14	5.21	5.73
9/28/2020	5.86	4.41				5.79
9/30/2020				4.99	5.39	
10/1/2020			5.75			
3/10/2021			5.6	4.73	5.69	5.42
3/11/2021	5.85					
3/12/2021		4.54				
9/21/2021	6.03	4.44	5.78	4.68	5.4	
9/23/2021						6.06
11/10/2021				4.49		
1/31/2022	5.94	4.39				
2/2/2022			5.71		5.75	
2/3/2022				4.48		5.89
8/30/2022	5.98	4.58	5.67	5.22	5.55	

Time Series

Constituent: pH, Field (SU) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/1/2022						5.8
1/31/2023	6.02	4.6				
2/1/2023				5.81	5.54	
2/2/2023			5.99			5.78
8/28/2023	5.94	4.62				
8/29/2023			5.82	5.17	5.33	5.68
1/23/2024	6.08	4.68			5.57	5.96
1/24/2024				6.28		
1/25/2024			6.17			
2/7/2024			6.07			
2/8/2024				6.37		
8/19/2024	6.19					
8/20/2024			6.28		5.62	5.83
8/21/2024		4.59		6		
1/27/2025		4.73				
1/28/2025	6.36		5.96		5.81	
1/29/2025				6.04		6.18
7/28/2025	6.21	4.65	6.09			
7/29/2025					5.47	6.01
7/30/2025				5.47		
1/27/2026	6.19	4.39	5.92			5.68
1/28/2026				5.19	5.5	

Time Series

Constituent: pH, Field (SU) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
7/16/2013	4.52	5.05	5.2	4.17	4.95	4.62
10/11/2014						4.58
8/31/2016	4.85	4.7	5.11	3.98	4.92	
9/1/2016						4.71
10/25/2016						4.79
10/26/2016	4.48		5.08	4.04	4.95	
10/27/2016		4.65				
1/4/2017			5.06	4.01		
1/5/2017	4.85				4.97	4.73
1/6/2017		4.56				
4/4/2017	4.58					4.68
4/5/2017				4	4.81	
4/6/2017		4.5	4.97		4.81	
7/10/2017				3.89		
7/11/2017			5.26			4.72
7/12/2017		4.56			4.83	
7/13/2017	4.74					
10/2/2017						5.13
10/3/2017	4.52		5.07			
10/4/2017		4.72		4.06	4.71	
1/9/2018						5.59
1/10/2018	5.31				5.17	
1/11/2018		4.34	5.18	3.96		
7/9/2018						5.11
7/10/2018	4.58					
7/11/2018		4.68	4.82	3.95	4.49	
1/16/2019					6.45 (O)	6.82
1/17/2019			4.91	3.89		
1/18/2019		6.87 (O)				
1/21/2019	5.05					
3/26/2019					4.96	5.74
3/27/2019		4.38	5.18	4.11		
7/30/2019	4.74					
8/27/2019	4.77		5.17	4.02	4.9	5.58
8/28/2019		4.68				
10/8/2019			4.93		4.81	5.68
10/9/2019	4.79	4.62		4.25		
4/7/2020			5.05	4.1		6.2
4/8/2020	4.66	4.73			4.81	
8/17/2020				3.94	4.65	
8/18/2020	4.6		4.41			5.56
8/19/2020		4.58				
9/28/2020					4.76	
9/29/2020	4.6		4.77	3.95		5.69
10/1/2020		4.42				
3/10/2021		4.55	4.97	4.08		
3/15/2021	4.56				4.74	
3/16/2021						5.53
9/21/2021			4.92	4.05	4.83	
9/22/2021	4.71	4.7				5.76
2/2/2022	4.79	4.66				5.98
2/3/2022			4.98	4.04	4.97	

Time Series

Constituent: pH, Field (SU) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/30/2022				3.92		5.86
8/31/2022			4.85		4.76	
9/1/2022	4.73	4.6				
2/1/2023		4.57	4.71	3.93	4.86	
2/2/2023	4.6					5.98
8/29/2023	4.68	4.56			4.89	
9/6/2023			5.05	4.35		6.19
1/24/2024		4.65	4.95			
1/25/2024	4.79			3.84	4.9	6.11
8/21/2024	4.76	4.64	5.02	4.09	4.73	5.75
1/28/2025			5.03			
1/29/2025	4.68	4.82		4.24	4.84	6.08
7/29/2025			4.92			
7/30/2025	4.48	4.51		4.37	4.62	6.06
1/27/2026			4.91			
1/28/2026	4.64	4.26		4.06	4.86	6.1

Time Series

Constituent: pH, Field (SU) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
7/16/2013	5.96	4.92	4.55	6.1	5.71	4.91
10/11/2014		5.17				
8/31/2016						4.54
9/1/2016	6.56	5.31	4.22	5.88	5.96	
10/25/2016	6.46	5.58		6.06	5.41	
10/26/2016			4.45			4.6
1/4/2017		5.51		6.05	5.6	4.63
1/5/2017	6.25		4.45			
4/3/2017	6.25					
4/4/2017				6.03	5.94	
4/5/2017		5.51	4.33			
4/6/2017						4.79
7/11/2017	6.5			5.96		4.73
7/12/2017		5.84				
7/13/2017			4.11		5.6	
10/2/2017	6.83			5.88		
10/3/2017		5.55			5.18	
10/4/2017			4.09			4.74
1/9/2018	6.57				6.14	
1/10/2018		5.99		6.21		
1/11/2018			4.4			5.22
7/9/2018				6.24		
7/10/2018	6.42	5.5			5.7	
7/11/2018			4.07			4.68
1/16/2019			4.05			
1/17/2019	8.44 (O)	7.13			7.39	
1/18/2019						6.98 (O)
1/21/2019				7.73 (O)		
3/25/2019				6.28		
3/26/2019	6.65	5.57	4.62		6.08	
3/27/2019						4.77
8/27/2019	6.57					4.89
8/28/2019		5.57	4.62	6.34	6.05	
10/8/2019	6.65	5.54			6.09	
10/9/2019			4.66	6.5		4.68
4/7/2020	6.83	5.94			6	4.8
4/8/2020			4.71	6.31		
8/18/2020	6.39	5.52	4.31	5.89	5.82	4.52
9/30/2020	6.71	5.47	4.08	6.04	5.82	4.63
3/10/2021						4.82
3/11/2021			5.2			
3/12/2021	6.21			5.86		
3/16/2021		5.67			5.74	
9/21/2021						4.72
9/22/2021		5.57	4.63	6	5.39	
9/23/2021	6.48					
2/1/2022		5.57	4.53	5.9	5.76	
2/3/2022	6.61					4.63
8/30/2022				6.01	5.76	
8/31/2022	6.57		4.33			4.68
9/1/2022		5.37				
2/1/2023		5.23	4.74	6.01		

Time Series

Constituent: pH, Field (SU) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/2/2023	6.65				5.71	4.63
8/29/2023			4.66			4.55
9/6/2023		5.16		5.86	5.78	
9/7/2023	6.64					
1/23/2024						4.84
1/24/2024	6.61		4.74	6.41		
1/25/2024		5.35			5.77	
8/21/2024	6.69	5.53	4.47	6.03		4.81
8/22/2024					5.54	
1/28/2025			5.12			4.99
1/29/2025	7.11	5.11		6.08	5.63	
7/29/2025			5.06	5.91		4.56
7/30/2025	6.58	5.32			5.69	
1/27/2026	6.49			5.82		
1/28/2026		5.08	4.83		5.67	4.68

Time Series

Constituent: pH, Field (SU) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			6.25	5.66
1/21/2021	5.75	6.13		
3/11/2021	5.82	6.47	6.31	6
9/21/2021				5.88
9/22/2021	6.39	6.76		
9/23/2021			6.21	
2/1/2022		6.63		
2/2/2022				5.82
2/3/2022	6.14		6.15	
8/31/2022	6.06		6.29	
9/1/2022		6.08		
2/1/2023	6.16			
2/2/2023		6.23	6.19	
9/6/2023	5.92	5.64		
9/7/2023			6.09	
1/24/2024	6.12			
1/25/2024		6.21	6.15	5.56
8/20/2024				5.72
8/21/2024	6.2	6.12	6.02	
1/28/2025				5.73
1/29/2025	6.03	5.96	6.13	
7/29/2025	5.9			5.42
7/30/2025		5.84	6.15	
1/27/2026			5.9	
1/28/2026	5.82	5.69		5.3

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.025	<0.005	<0.005	<0.025	<0.01	<0.01
11/21/2000	<0.025		<0.005	<0.025	<0.01	<0.01
1/20/2001	<0.025	<0.005	0.014 (O)	<0.025	<0.01	0.017
3/14/2001	<0.025	<0.005	<0.005	<0.025	<0.01	<0.01
7/16/2001	<0.025	<0.005	0.015 (O)	<0.025	<0.01	<0.01
11/1/2001	<0.025	<0.005				<0.01
11/2/2001			0.012 (O)	<0.025	<0.01	
4/25/2002						0.012
4/26/2002	<0.025	<0.005	<0.005	<0.025	<0.01	
11/20/2002			0.026 (O)	0.0064	0.008	0.19 (O)
11/21/2002		<0.005				
6/6/2003	<0.025	<0.005	0.022 (O)	0.011	0.0066	0.32 (O)
12/12/2003	<0.025	<0.005	0.028 (O)	<0.025	0.0056	
12/17/2003						0.013
5/26/2004	<0.025	<0.005	0.012 (O)	0.007	0.0084	0.017
12/8/2004	<0.025	<0.005				0.011
12/10/2004			0.0073	<0.025	<0.01	
6/21/2005	<0.025	<0.005	0.0087	0.0063	0.0062	0.0088
12/3/2005	<0.025	<0.005				
12/4/2005						0.011
12/5/2005			0.013 (O)	<0.025	<0.01	
4/4/2006		<0.005				
6/27/2006	<0.025	<0.005	<0.005	<0.025		<0.01
6/29/2006					<0.01	
8/30/2006		<0.005				
12/3/2006	<0.025	<0.005				
12/4/2006			<0.005	<0.025	<0.01	<0.01
2/15/2007		<0.005				
6/23/2007	<0.025	<0.005	<0.005	<0.025	<0.01	<0.01
9/11/2007		<0.005				
9/12/2007			<0.005	<0.025		<0.01
9/14/2007	<0.025				<0.01	
11/7/2007			<0.005	<0.025		<0.01
11/8/2007	<0.025	<0.005			<0.01	
12/11/2007	<0.025	<0.005			<0.01	
12/12/2007			<0.005	<0.025		<0.01
1/17/2008			<0.005	<0.025	<0.01	<0.01
1/18/2008	<0.025	<0.005				
3/11/2008		<0.005				
3/12/2008			<0.005			<0.01
3/13/2008	<0.025			<0.025	<0.01	
6/4/2008	<0.025	<0.005		<0.025		<0.01
6/5/2008			<0.005		<0.01	
6/23/2008	<0.025	<0.005				
6/24/2008			<0.005	<0.025	<0.01	<0.01
7/29/2008	<0.025	<0.005				
7/30/2008			<0.005	<0.025	<0.01	
7/31/2008						<0.01
11/3/2008		<0.005				
12/4/2008	<0.025	<0.005				
12/5/2008			<0.005	<0.025	<0.01	<0.01
3/25/2009		<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.025	<0.005	<0.005	<0.025	<0.01	<0.01
9/14/2009		<0.005				
12/20/2009	<0.025	<0.005				<0.01
12/21/2009			<0.005	<0.025	<0.01	
3/4/2010		<0.005				
6/20/2010	<0.025	<0.005		<0.025	<0.01	<0.01
6/21/2010			<0.005			
9/14/2010		<0.005				
1/6/2011				<0.025		<0.01
1/7/2011	<0.025	<0.005	<0.005		<0.01	
4/15/2011		<0.005				
7/7/2011	<0.025	<0.005		<0.025	<0.01	<0.01
7/8/2011			<0.005			
9/25/2011		<0.005				
1/17/2012	<0.025	<0.005		<0.025		<0.01
1/18/2012			<0.005		<0.01	
4/4/2012		<0.005				
7/9/2012	<0.025			<0.025		<0.01
7/10/2012		<0.005	<0.005		<0.01	
10/9/2012		<0.005				
1/17/2013				<0.025		<0.01
1/18/2013	0.009	<0.005	<0.005		<0.01	
4/5/2013		<0.005				
7/16/2013				<0.025		0.012
7/17/2013	0.011	<0.005	<0.005		<0.01	
10/11/2013		<0.005				
1/13/2014	0.012			<0.025		<0.01
1/14/2014		<0.005	<0.005		<0.01	
4/3/2014		<0.005				
7/9/2014	0.011	<0.005	<0.005	<0.025	<0.01	<0.01
10/24/2014		<0.005				
1/12/2015			<0.005			
1/13/2015	0.0092			<0.025		<0.01
1/14/2015		<0.005			<0.01	
5/10/2015		<0.005				
7/16/2015	0.014		<0.005	<0.025		<0.01
7/17/2015		<0.005			<0.01	
10/6/2015		<0.005				
1/17/2016						0.023
1/18/2016	0.023	<0.005	<0.005	<0.025	<0.01	
4/26/2016		<0.005				
7/27/2016	0.0323 (J)			<0.025		0.002 (J)
7/28/2016		0.001 (J)			<0.01	
7/29/2016			0.0036 (J)			
8/30/2016		<0.005		<0.025	<0.01	0.002 (J)
9/1/2016	0.0438		0.0067 (J)			
10/24/2016		0.0013 (J)				
10/25/2016	0.031					0.0022 (J)
10/26/2016			0.0042 (J)	<0.025	<0.01	
1/3/2017		<0.005		<0.025		
1/4/2017						0.0016 (J)
1/5/2017					0.0014 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/6/2017	0.0324		0.0042 (J)			
4/3/2017		<0.005				
4/4/2017			0.0043 (J)			0.0052 (J)
4/6/2017	0.0188 (J)			<0.025	<0.01	
7/11/2017		<0.005				
7/12/2017			0.0033 (J)	<0.025	<0.01	0.0024 (J)
7/13/2017	0.0118					
10/2/2017		<0.005				
10/3/2017				<0.025	<0.01	<0.01
10/4/2017	0.0195		0.0038 (J)			
1/9/2018	<0.025	<0.005			<0.01	
1/10/2018				<0.025		0.0018 (J)
1/11/2018			0.0029 (J)			
7/9/2018		<0.005				
7/10/2018				0.0018 (J)	0.0016 (J)	0.0026 (J)
7/11/2018	<0.025		0.0015 (J)			
1/16/2019	0.0071 (J)	<0.005	<0.005	<0.025	<0.01	0.0018 (J)
3/25/2019	<0.025	<0.005	<0.005			
3/26/2019				<0.025	0.0068 (J)	0.0023 (J)
8/26/2019	<0.025	<0.005				
8/27/2019			<0.005		0.0033 (J)	0.0016 (J)
8/28/2019				0.0033 (J)		
10/7/2019		<0.005				
10/8/2019	0.0072 (J)					
10/9/2019			<0.005	0.0073 (J)	<0.01	0.0024 (J)
4/6/2020	0.0078 (J)	<0.005				
4/7/2020			0.0025 (J)	<0.025	<0.01	0.0013 (J)
8/17/2020		<0.005				
8/19/2020	<0.025		<0.005	<0.025	<0.01	0.002 (J)
9/28/2020	0.01 (J)	<0.005				<0.01
9/30/2020				<0.025	0.0023 (J)	
10/1/2020			<0.005			
3/10/2021			0.0021 (J)	0.006	0.0049 (J)	0.0026 (J)
3/11/2021	<0.025					
3/12/2021		<0.005				
9/21/2021	<0.025	<0.005	<0.005	<0.025	0.0016 (J)	
9/23/2021						0.0018 (J)
1/31/2022	<0.025	<0.005				
2/2/2022			<0.005		0.0017 (J)	
2/3/2022				<0.025		0.0022 (J)
8/30/2022	0.0063	<0.005	0.00265 (J)	<0.025	0.00277 (J)	
9/1/2022						0.00252 (J)
1/31/2023	0.00443 (J)	<0.005				
2/1/2023				0.00187 (J)	0.00182 (J)	
2/2/2023			0.00466 (J)			0.0022 (J)
8/28/2023	0.00544	<0.005				
8/29/2023			0.00261 (J)	<0.025	0.00204 (J)	0.00182 (J)
1/23/2024	0.00657	<0.005			0.00223 (J)	0.00168 (J)
2/7/2024			0.00258 (J)			
2/8/2024				0.00485 (J)		
8/19/2024	0.00709					
8/20/2024			0.00381 (J)		0.00254 (J)	0.00155 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/21/2024		<0.005		0.00214 (J)		
1/27/2025		<0.005				
1/28/2025	0.00916		0.0032 (J)		0.00297 (J)	
1/29/2025				<0.025		0.00158 (J)
7/28/2025	0.00876	<0.005	0.00415 (J)			
7/29/2025					0.00255 (J)	0.00202 (J)
7/30/2025				<0.025		
1/27/2026	0.0102	<0.005	0.00534			0.00197 (J)
1/28/2026				<0.025	0.00194 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.025	<0.01	<0.005	<0.005	<0.005
11/21/2000	<0.025	<0.025	<0.01	<0.005	<0.005	0.052
1/20/2001	<0.025	<0.025	<0.01	<0.005	<0.005	0.053
3/14/2001	<0.025	<0.025	<0.01	<0.005	<0.005	0.049
7/16/2001	<0.025	<0.025	<0.01	<0.005	<0.005	0.038
11/1/2001	<0.025		<0.01	<0.005	<0.005	0.022
11/2/2001		<0.025				
4/25/2002	<0.025					0.1
4/26/2002		<0.025	<0.01	<0.005	<0.005	
11/21/2002		<0.025	<0.01			0.018
11/22/2002	<0.025			<0.005	<0.005	
6/6/2003	<0.025					<0.005
6/7/2003		<0.025	<0.01	<0.005	<0.005	
12/12/2003	<0.025	<0.025	<0.01	<0.005	<0.005	<0.005
5/27/2004	0.005	<0.025	<0.01	<0.005	<0.005	0.023
12/8/2004	<0.025			<0.005		0.019
12/9/2004		<0.025	<0.01		<0.005	
6/22/2005		0.0062	<0.01	<0.005	<0.005	
6/23/2005	<0.025					0.019
12/3/2005	<0.025					0.0095
12/4/2005			<0.01			
12/5/2005		<0.025		<0.005	<0.005	
4/4/2006						0.033
6/28/2006			<0.01			
6/29/2006	<0.025	<0.025		<0.005	<0.005	<0.005
8/30/2006						<0.005
12/3/2006		<0.025	<0.01	<0.005	<0.005	
12/4/2006	<0.025					0.032
2/15/2007						0.034
6/23/2007	<0.025	<0.025	<0.01	<0.005	<0.005	<0.005
9/11/2007						0.022
9/12/2007	<0.025					
9/13/2007		<0.025	<0.01	<0.005	<0.005	
11/6/2007	<0.025					0.047
11/7/2007				<0.005	<0.005	
11/8/2007		<0.025	<0.01			
12/11/2007		<0.025	<0.01	<0.005	<0.005	
12/12/2007	<0.025					0.045
1/15/2008			<0.01	<0.005	<0.005	
1/16/2008	<0.025	<0.025				<0.005
3/11/2008				<0.005	<0.005	0.02
3/12/2008	<0.025	<0.025				
3/13/2008			<0.01			
6/3/2008			<0.01	<0.005	<0.005	
6/4/2008		<0.025				
6/5/2008	<0.025					0.065
6/23/2008		<0.025	<0.01	<0.005	<0.005	
6/24/2008	<0.025					<0.005
7/29/2008		<0.025	<0.01			
7/30/2008				<0.005	<0.005	
7/31/2008	<0.025					<0.005
11/3/2008						0.052

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.025	<0.025	<0.01	<0.005	<0.005	0.054
3/25/2009						0.072
7/8/2009	<0.025	<0.025	<0.01	<0.005	<0.005	0.021
9/14/2009						0.015
12/20/2009	<0.025					0.072
12/21/2009		<0.025	<0.01	<0.005	<0.005	
3/4/2010						0.083
6/20/2010	<0.025	<0.025	<0.01	<0.005	<0.005	0.1
9/14/2010						0.085
1/6/2011	<0.025		<0.01		<0.005	
1/7/2011		<0.025		<0.005		0.028
4/15/2011						<0.005
7/7/2011	<0.025		<0.01	<0.005	<0.005	<0.005
7/8/2011		<0.025				
9/25/2011						0.02
1/17/2012	<0.025		0.023	<0.005	<0.005	0.016
1/18/2012		<0.025				
4/4/2012						0.0156
7/9/2012	<0.025		0.016	<0.005	<0.005	<0.005
7/10/2012		<0.025				
10/9/2012						0.0094
1/17/2013	<0.025		0.033	<0.005	<0.005	
1/18/2013		<0.025				0.0067
4/5/2013						0.0077
7/16/2013			0.0068	<0.005	<0.005	
7/17/2013	<0.025	<0.025				0.01
10/11/2013						0.0087
1/13/2014	<0.025		0.036	<0.005	<0.005	
1/14/2014		<0.025				0.012
4/3/2014						0.022
7/8/2014			0.017	<0.005	<0.005	
7/9/2014	<0.025	<0.025				0.0089
10/24/2014						0.017
1/13/2015	<0.025		0.027	<0.005	<0.005	
1/14/2015		<0.025				<0.005
5/10/2015						<0.005
7/16/2015	<0.025		<0.01	<0.005	<0.005	
7/17/2015		<0.025				<0.005
10/6/2015						<0.005
1/17/2016	<0.025					<0.005
1/18/2016		<0.025		<0.005	<0.005	
1/19/2016			0.023			
4/26/2016						0.00428 (J)
7/26/2016			0.0056 (J)		<0.005	
7/27/2016	0.002 (J)			0.0025 (J)		0.0038 (J)
7/28/2016		<0.025				
8/31/2016	<0.025	<0.025	0.0084 (J)	0.0019 (J)	<0.005	
9/1/2016						0.0056 (J)
10/25/2016						0.0023 (J)
10/26/2016	0.0035 (J)		0.0052 (J)	0.002 (J)	<0.005	
10/27/2016		<0.025				
1/4/2017			0.0062 (J)	<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/5/2017	<0.025				<0.005	0.0038 (J)
1/6/2017		<0.025				
4/4/2017	<0.025					0.0064 (J)
4/5/2017				<0.005		
4/6/2017		<0.025	0.0195		<0.005	
7/10/2017				<0.005		
7/11/2017			<0.01			0.0044 (J)
7/12/2017		<0.025			<0.005	
7/13/2017	<0.025					
10/2/2017						0.004 (J)
10/3/2017	<0.025		0.0079 (J)			
10/4/2017		<0.025		<0.005	<0.005	
1/9/2018						0.0019 (J)
1/10/2018	<0.025				<0.005	
1/11/2018		<0.025	0.0054 (J)	<0.005		
7/9/2018						0.0029 (J)
7/10/2018	<0.025					
7/11/2018		<0.025	0.0022 (J)	<0.005	<0.005	
1/16/2019					<0.005	0.0016 (J)
1/17/2019			<0.01	<0.005		
1/18/2019		<0.025				
1/21/2019	<0.025					
3/26/2019					<0.005	0.0022 (J)
3/27/2019		<0.025	0.0014 (J)	<0.005		
7/30/2019	<0.025					
8/27/2019	<0.025		<0.01	<0.005	<0.005	0.0035 (J)
8/28/2019		<0.025				
10/8/2019			<0.01		<0.005	0.0026 (J)
10/9/2019	<0.025	<0.025		<0.005		
4/7/2020			0.0021 (J)	<0.005		0.005 (J)
4/8/2020	<0.025	<0.025			<0.005	
8/17/2020				<0.005	<0.005	
8/18/2020	<0.025		0.0028 (J)			0.0029 (J)
8/19/2020		<0.025				
9/28/2020					<0.005	
9/29/2020	<0.025		0.0024 (J)	<0.005		0.0051 (J)
10/1/2020		<0.025				
3/10/2021		<0.025	0.0044 (J)	0.003 (J)		
3/15/2021	<0.025				<0.005	
3/16/2021						0.0034 (J)
9/21/2021			0.0038 (J)	<0.005	<0.005	
9/22/2021	<0.025	<0.025				0.0034 (J)
2/2/2022	<0.025	<0.025				0.0038 (J)
2/3/2022			0.019	<0.005	<0.005	
8/30/2022				<0.005		0.00544
8/31/2022			0.00344 (J)		<0.005	
9/1/2022	<0.025	<0.025				
2/1/2023		<0.025	0.00333 (J)	<0.005	<0.005	
2/2/2023	<0.025					0.0035 (J)
8/29/2023	<0.025	<0.025			<0.005	
9/6/2023			0.0036 (J)	<0.005		0.00516
1/24/2024		<0.025	0.00303 (J)			

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/25/2024	<0.025			<0.005	<0.005	0.00311 (J)
8/21/2024	<0.025	<0.025	0.00627	<0.005	<0.005	0.00337 (J)
1/28/2025			0.00324 (J)			
1/29/2025	<0.025	<0.025		<0.005	<0.005	0.00353 (J)
7/29/2025			0.00252 (J)			
7/30/2025	<0.025	<0.025		<0.005	<0.005	0.00432 (J)
1/27/2026			0.00324 (J)			
1/28/2026	<0.025	<0.025		<0.005	<0.005	0.00286 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.005	<0.005	<0.005			
11/21/2000	<0.005	<0.005	<0.005			
1/20/2001	<0.005	<0.005	<0.005			
3/14/2001	<0.005	<0.005	<0.005			
7/16/2001	<0.005	<0.005	<0.005			
11/1/2001	<0.005	<0.005	<0.005			
4/25/2002	<0.005	<0.005	<0.005			
11/21/2002	0.0094	<0.005	<0.005			
6/6/2003	0.021 (O)	0.021 (O)	<0.005			
12/12/2003	0.016 (O)	0.0078	<0.005			
5/26/2004	<0.005	0.0053				
5/27/2004			<0.005			
12/8/2004	<0.005	<0.005	<0.005			
6/21/2005		<0.005				
6/23/2005	<0.005		<0.005			
12/3/2005	<0.005					
12/4/2005		<0.005				
12/5/2005			<0.005			
4/4/2006		<0.005				
6/29/2006	<0.005	<0.005	<0.005			
8/30/2006		<0.005				
12/4/2006	<0.005	<0.005	<0.005			
2/15/2007		<0.005				
6/23/2007	<0.005	<0.005	<0.005			
9/11/2007		<0.005				
9/12/2007	<0.005		<0.005			
11/6/2007	<0.005	<0.005	<0.005			
12/12/2007	<0.005	<0.005	<0.005			
1/16/2008	<0.005	0.064	<0.005			
3/11/2008		<0.005				
3/12/2008	<0.005					
3/13/2008			<0.005			
6/4/2008			<0.005			
6/5/2008	<0.005	<0.005				
6/24/2008	<0.005	<0.005	<0.005			
7/31/2008	<0.005	<0.005	<0.005			
11/3/2008		<0.005				
12/5/2008	<0.005	<0.005	<0.005			
3/25/2009		<0.005				
7/8/2009	<0.005	<0.005	<0.005			
9/14/2009		<0.005				
12/20/2009	<0.005	<0.005				
12/21/2009			<0.005			
3/4/2010		<0.005				
6/20/2010	<0.005					
6/21/2010		<0.005	<0.005	<0.005	0.048	<0.005
9/14/2010		<0.005				
1/7/2011	<0.005	<0.005	<0.005	<0.005	0.014	<0.005
4/15/2011		<0.005				
7/7/2011	<0.005	<0.005				
7/8/2011			<0.005	<0.005	0.018	<0.005
9/25/2011		<0.005				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.005					
1/18/2012		<0.005	<0.005	<0.005	<0.013	<0.005
4/4/2012		<0.005				
7/9/2012	0.066					
7/10/2012		<0.005	<0.005	<0.005	0.02	<0.005
10/9/2012		<0.005				
1/18/2013	0.04 (O)	<0.005	<0.005	0.005	0.015	<0.005
4/5/2013		<0.005				
7/17/2013	<0.005	<0.005	<0.005	<0.005	0.037	<0.005
10/11/2013		0.0069				
1/13/2014	<0.005					
1/14/2014		<0.005	<0.005	<0.005	0.043	<0.005
4/3/2014		<0.005				
7/9/2014	<0.005	0.005	<0.005		0.023	
7/10/2014				<0.005		<0.005
10/24/2014		<0.005				
1/12/2015				<0.005		
1/13/2015	<0.005					
1/14/2015		<0.005	<0.005		0.022	<0.005
5/11/2015		<0.005				
7/16/2015	<0.005	<0.005				
7/17/2015					0.033	
7/18/2015			<0.005	<0.005		<0.005
10/6/2015		0.0073				
1/17/2016	<0.005	0.0031 (J)		<0.005	0.021	
1/18/2016			<0.005			<0.005
4/26/2016		0.00497 (J)				
7/27/2016	<0.005					
7/28/2016		0.0076 (J)		<0.005	0.0341	
7/29/2016			0.0011 (J)			0.0022 (J)
8/31/2016						0.0014 (J)
9/1/2016	<0.005	0.0052 (J)	0.0012 (J)	<0.005	0.0297	
10/25/2016	<0.005	0.0085 (J)		0.0014 (J)	0.0095 (J)	
10/26/2016			0.0013 (J)			0.001 (J)
1/4/2017		0.0048 (J)		0.0014 (J)	0.022	<0.005
1/5/2017	<0.005		0.0012 (J)			
4/3/2017	<0.005					
4/4/2017				<0.005	0.0236	
4/5/2017		0.0068 (J)	<0.005			
4/6/2017						<0.005
7/11/2017	<0.005			<0.005		<0.005
7/12/2017		0.0048 (J)				
7/13/2017			0.0018 (J)		0.013	
10/2/2017	<0.005			<0.005		
10/3/2017		0.0051 (J)			0.01 (J)	
10/4/2017			0.0042 (J)			0.0023 (J)
1/9/2018	0.0019 (J)				0.0162	
1/10/2018		0.0018 (J)		<0.005		
1/11/2018			<0.005			<0.005
7/9/2018				<0.005		
7/10/2018	0.0086 (J)	0.0045 (J)			0.016	
7/11/2018			0.0016 (J)			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/16/2019			<0.005			
1/17/2019	0.0029 (J)	0.0031 (J)			0.011	
1/18/2019						<0.005
1/21/2019				0.0014 (J)		
3/25/2019				<0.005		
3/26/2019	0.0074 (J)	0.0033 (J)	<0.005		0.022	
3/27/2019						<0.005
8/27/2019	0.0092 (J)					<0.005
8/28/2019		0.004 (J)	<0.005	0.0014 (J)	0.019	
10/8/2019	0.014	0.0023 (J)			0.019	
10/9/2019			<0.005	<0.005		<0.005
4/7/2020	0.0029 (J)	<0.005			0.012	<0.005
4/8/2020			<0.005	0.0013 (J)		
8/18/2020	0.0022 (J)	0.0058 (J)	0.002 (J)	<0.005	0.013	<0.005
9/30/2020	<0.005	0.0037 (J)	<0.005	<0.005	0.0061 (J)	<0.005
3/10/2021						<0.005
3/11/2021			0.0016 (J)			
3/12/2021	0.0064			<0.005		
3/16/2021		0.0044 (J)			0.0055	
9/21/2021						<0.005
9/22/2021		0.0031 (J)	<0.005	0.0024 (J)	0.0027 (J)	
9/23/2021	0.0016 (J)					
2/1/2022		0.0024 (J)	<0.005	<0.005	0.0054	
2/3/2022	0.0031 (J)					<0.005
8/30/2022				0.00192 (J)	0.00648	
8/31/2022	0.00192 (J)		<0.005			<0.005
9/1/2022		0.00334 (J)				
2/1/2023		<0.005	<0.005	<0.005		
2/2/2023	<0.005				0.00542	<0.005
8/29/2023			<0.005			<0.005
9/6/2023		0.00161 (J)		<0.005	0.00554	
9/7/2023	<0.005					
1/23/2024						<0.005
1/24/2024	0.0028 (J)		<0.005	0.00455 (J)		
1/25/2024		0.00185 (J)			0.00452 (J)	
8/21/2024	0.00314 (J)	0.00313 (J)	<0.005	0.00209 (J)		<0.005
8/22/2024					0.00594	
1/28/2025			0.00157 (J)			<0.005
1/29/2025	<0.005	<0.005		<0.005	0.00511	
7/29/2025			<0.005	<0.005		<0.005
7/30/2025	<0.005	0.00347 (J)			0.00521	
1/27/2026	0.00372 (J)			<0.005		
1/28/2026		<0.005	<0.005		0.00655	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.005	<0.005	<0.005	<0.005
9/21/2021				<0.005
9/22/2021	<0.005	<0.005		
9/23/2021			<0.005	
2/1/2022		<0.005		
2/2/2022				<0.005
2/3/2022	<0.005		<0.005	
8/31/2022	<0.005		<0.005	
9/1/2022		<0.005		
2/1/2023	<0.005			
2/2/2023		<0.005	<0.005	
9/6/2023	<0.005	<0.005		
9/7/2023			<0.005	
1/24/2024	<0.005			
1/25/2024		<0.005	<0.005	<0.005
8/20/2024				<0.005
8/21/2024	<0.005	<0.005	<0.005	
1/28/2025				<0.005
1/29/2025	<0.005	<0.005	<0.005	
7/29/2025	<0.005			<0.005
7/30/2025		<0.005	<0.005	
1/27/2026			<0.005	
1/28/2026	<0.005	<0.005		<0.005

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/11/2007		127				
9/12/2007			158	323		112
9/14/2007	94.7				73	
11/7/2007			177	335		112
11/8/2007	97.7	130			76	
1/17/2008			187	396	66	105
1/18/2008	60.3	130				
3/11/2008		143				
3/12/2008			214			156
3/13/2008	98.9			351	99.6	
6/4/2008	84.8	124		228		95
6/5/2008			327		66.9	
7/29/2008	86.7	122				
7/30/2008			213	384	68.6	
7/31/2008						77.3
8/30/2016		140		100	120	87
9/1/2016	73		210			
10/24/2016		160				
10/25/2016	26					83
10/26/2016			230	130	120	
1/3/2017		140		120		
1/4/2017						99
1/5/2017					130	
1/6/2017	23		220			
4/3/2017		140				
4/4/2017			230			110
4/6/2017	25			140	150	
7/11/2017		130				
7/12/2017			210	140	140	100
7/13/2017	65					
10/2/2017		150				
10/3/2017				130	140	63
10/4/2017	13		290			
1/9/2018	45	120			140	
1/10/2018				110		86
1/11/2018			210			
7/9/2018		123				
7/10/2018				48.1	128	77.7
7/11/2018	37.7		177			
1/16/2019	24.5	129	244	184	402	71.2
3/25/2019	14.7	152	245			
3/26/2019				222	319	73.8
10/7/2019		156				
10/8/2019	32.8					
10/9/2019			38.5	90.8	255	76.3
4/6/2020	20.3	123				
4/7/2020			221	180	180	83
9/28/2020	20	93.6				71.6
9/30/2020				339	339	
10/1/2020			178			
3/10/2021			160	572	1160	61.2
3/11/2021	12					

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
3/12/2021		103				
9/21/2021	11.1	96.5	232	829	645	
9/23/2021						37.3
1/31/2022	15	89.7				
2/2/2022			338		1460	
2/3/2022				797		49.2
8/30/2022	10.6	77.4	379	403	978	
9/1/2022						44
1/31/2023	7.88	79.3				
2/1/2023				190	842	
2/2/2023			337			35.3
8/28/2023	6.57	62.9				
8/29/2023			551	299	763	64.7
1/23/2024	5.11	78.2			678	54.4
1/24/2024				75.2		
1/25/2024			744			
2/7/2024			852			
2/8/2024				80		
8/19/2024	2.76					
8/20/2024			772		734	54
8/21/2024		107		289		
1/27/2025		92.8				
1/28/2025	18.2		824		563	
1/29/2025				516		35.1
7/28/2025	2.25	87.9	593			
7/29/2025					487	25.9
7/30/2025				661		
1/27/2026	5.6	85	657			33
1/28/2026				692	555	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/11/2007						102
9/12/2007	5.24					
9/13/2007		21.6	10	253	12.6	
11/6/2007	9.83					123
11/7/2007				267	16	
11/8/2007		23.9	11.5			
1/15/2008			8.36	346	10.7	
1/16/2008	4.64	22.4				151
3/11/2008				338	9.6	78.3
3/12/2008	12.3	22.6				
3/13/2008			7.89			
6/3/2008			7.84	312	11	
6/4/2008		27.3				
6/5/2008	4.4					117
7/29/2008		27.8	7.7			
7/30/2008				286	11.1	
7/31/2008	5.45					36.2
8/31/2016	21	84	64	1100	43	
9/1/2016						730
10/25/2016						420
10/26/2016	100		56	900	29	
10/27/2016		76				
1/4/2017			65	880		
1/5/2017	22				32	430
1/6/2017		66				
4/4/2017	29					600
4/5/2017				990		
4/6/2017		79	110		49	
7/10/2017				480		
7/11/2017			49			400
7/12/2017		75			16	
7/13/2017	20					
10/2/2017						470
10/3/2017	20		140			
10/4/2017		78		760	33	
1/9/2018						440
1/10/2018	9.5				22	
1/11/2018		110	270	780		
7/9/2018						369
7/10/2018	8.5					
7/11/2018		87.4	211	598	17.8	
1/16/2019					20.2	291
1/17/2019			50.3	454		
1/18/2019		56.9				
1/21/2019	10.2					
3/26/2019					33.6	192
3/27/2019		76.2	76.8	579		
7/30/2019	12.3					
10/8/2019			310		22	428
10/9/2019	10.1	41.1		392		
4/7/2020			446	297		456
4/8/2020	12.9	34.2			30.7	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/28/2020					25.6	
9/29/2020	8.6		516	237		93.5
10/1/2020		35				
3/10/2021		38.7	687	282		
3/15/2021	10				30.6	
3/16/2021						92
9/21/2021			433	315	36.6	
9/22/2021	10.3	42.7				444
2/2/2022	9	31.5				589
2/3/2022			347	333	32.1	
8/30/2022				415		410
8/31/2022			653		29	
9/1/2022	10.3	28.7				
2/1/2023		25.2	1090	527	34.5	
2/2/2023	11.9					220
8/29/2023	10.5	15.7			47.5	
9/6/2023			827	437		185
1/24/2024		15.3	593			
1/25/2024	10.9			394	43.7	167
8/21/2024	11.6	24.1	404	602	44.4	71.5
1/28/2025			605			
1/29/2025	11	25.1		385	46.3	365
7/29/2025			554			
7/30/2025	11.6	22.6		388	46.6	219
1/27/2026			882			
1/28/2026	10.8	23.5		362	48.4	318

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/11/2007		176				
9/12/2007	60.7		49.6			
11/6/2007	60.7	184	50.1			
1/16/2008	65.9	157	56.9			
3/11/2008		154				
3/12/2008	60.7					
3/13/2008			53.1			
6/4/2008			60.3			
6/5/2008	49.8	207				
7/31/2008	37.9	275	77.7			
8/31/2016						700
9/1/2016	120	430	310	180	36	
10/25/2016	100	360		79	16	
10/26/2016			280			850
1/4/2017		360		170	45	680
1/5/2017	140		310			
4/3/2017	150					
4/4/2017				300	46	
4/5/2017		440	460			
4/6/2017						220
7/11/2017	110			400		210
7/12/2017		490				
7/13/2017			490		33	
10/2/2017	56			390		
10/3/2017		780			34	
10/4/2017			1100			730
1/9/2018	84				29	
1/10/2018		470		99		
1/11/2018			810			180
7/9/2018				99.2		
7/10/2018	43	787			33.2	
7/11/2018			902			381
1/16/2019			422			
1/17/2019	45.2	780			24.1	
1/18/2019						107
1/21/2019				35.5		
3/25/2019				95.6		
3/26/2019	54	87.9	439		83.9	
3/27/2019						103
10/8/2019	45.8	872			85.6	
10/9/2019			346	58.5		80.2
4/7/2020	26.9	844			33.2	333
4/8/2020			239	428		
9/30/2020	18.5	736	193	956	306	65.5
3/10/2021						101
3/11/2021			244			
3/12/2021	21.1			933		
3/16/2021		821			343	
9/21/2021						52.4
9/22/2021		1040	394	905	14.6	
9/23/2021	124					
2/1/2022		1010	416	862	374	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
2/3/2022	102					46.2
8/30/2022				606	451	
8/31/2022	88.5		721			45.3
9/1/2022		1140				
2/1/2023		1160	547	596		
2/2/2023	34.3				447	71.6
8/29/2023			444			1010
9/6/2023		1250		460	470	
9/7/2023	46.8					
1/23/2024						44.9
1/24/2024	49.7		389	140		
1/25/2024		1130			499	
8/21/2024	34.2	1370	453	688		41.8
8/22/2024					291	
1/28/2025			391			35.5
1/29/2025	108	1540		1250	698	
7/29/2025			385	1260		812
7/30/2025	74	1360			413	
1/27/2026	84.9			1190		
1/28/2026		1880	539		728	612

Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			1.6	1
1/21/2021	5	0.79 (J)		
3/11/2021	62.4	<0.4	0.52 (J)	<1
9/21/2021				<1
9/22/2021	84.6	<0.4		
9/23/2021			0.7 (J)	
2/1/2022		<0.4		
2/2/2022				<1
2/3/2022	64.8		<0.4	
8/31/2022	54.6		1.12	
9/1/2022		0.682		
2/1/2023	40.3			
2/2/2023		<0.4	<0.4	
9/6/2023	37.5	0.176 (J)		
9/7/2023			<0.4	
1/24/2024	26.4			
1/25/2024		<0.4	0.374 (J)	0.977
8/20/2024				0.299 (J)
8/21/2024	34.2	<0.4	<0.4	
1/28/2025				0.596
1/29/2025	19.9	<0.4	<0.4	
7/29/2025	19.6			0.712
7/30/2025		<0.4	0.181 (J)	
1/27/2026			0.309 (J)	
1/28/2026	19.2	0.157 (J)		0.381 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/30/2016		234		224	365	225
9/1/2016	3660 (o)		1080			
10/24/2016		216				
10/25/2016	3560 (o)					230
10/26/2016			1050	297	373	
1/3/2017		333		366		
1/4/2017						349
1/5/2017					543	
1/6/2017	3490 (o)		1060			
4/3/2017		288				
4/4/2017			994			356
4/6/2017	3170 (o)			279	434	
7/11/2017		188				
7/12/2017			1070	308	454	357
7/13/2017	2280					
10/2/2017		210				
10/3/2017				288	389	192
10/4/2017	3350 (o)		1100			
1/9/2018	2640	118			415	
1/10/2018				493		277
1/11/2018			838			
7/9/2018		235				
7/10/2018				1730	453	349
7/11/2018	2200		799			
1/16/2019	2100	219	530	382	1320	341
3/25/2019	2100	240	479			
3/26/2019				1040	1250	317
10/7/2019		275				
10/8/2019	1840					
10/9/2019			502	2010	903	338
4/6/2020	1670	214				
4/7/2020			482	483	775	195
9/28/2020	1450	175				373
9/30/2020				652	816	
10/1/2020			424			
3/10/2021			434	1040	2120	329
3/11/2021	1220					
3/12/2021		163				
9/21/2021	1210	145	476	1240	985	
9/23/2021						360
1/31/2022	1260	153				
2/2/2022			654		2440	
2/3/2022				1240		315
8/30/2022	1340	154	882	886	1810	
9/1/2022						228
1/31/2023	1230	122				
2/1/2023				1240	1570	
2/2/2023			1180			166
8/28/2023	1450	138				
8/29/2023			1290	644	1320	272
1/23/2024	1580	158			1310	263
1/24/2024				2650		

Time Series

Constituent: TDS (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
1/25/2024			2010			
2/7/2024			2360			
2/8/2024				2530		
8/19/2024	1540					
8/20/2024			1970		1190	217
8/21/2024		165		1160		
1/27/2025		177				
1/28/2025	1730		1740		1240	
1/29/2025				1100		280
7/28/2025	1860	179	2130			
7/29/2025					1110	327
7/30/2025				1110		
1/27/2026	1720	194	1770			271
1/28/2026				1220	1130	

Time Series

Constituent: TDS (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	39	173	119	1560	77	
9/1/2016						1170
10/25/2016						633
10/26/2016	135		108	1520	<10	
10/27/2016		221				
1/4/2017			182	1430		
1/5/2017	99				146	781
1/6/2017		259				
4/4/2017	54					916
4/5/2017				1200		
4/6/2017		169	248		23 (J)	
7/10/2017				1100		
7/11/2017			88			675
7/12/2017		163			39	
7/13/2017	50					
10/2/2017						689
10/3/2017	18 (J)		248			
10/4/2017		168		986	38	
1/9/2018						653
1/10/2018	<10				<10	
1/11/2018		190	681	1020		
7/9/2018						659
7/10/2018	49					
7/11/2018		165	440	888	63	
1/16/2019					44	656
1/17/2019			118	765		
1/18/2019		118				
1/21/2019	39					
3/26/2019					72	496
3/27/2019		104	138	673		
7/30/2019	70					
10/8/2019			613		51	841
10/9/2019	46	128		647		
4/7/2020			780	464		843
4/8/2020	38	80			65	
9/28/2020					60	
9/29/2020	33		1100	440		187
10/1/2020		111				
3/10/2021		89	1240	566		
3/15/2021	11				<10	
3/16/2021						137
9/21/2021			842	558	83	
9/22/2021	33	94				864
2/2/2022	43	96				1130
2/3/2022			538	566	72	
8/30/2022				713		720
8/31/2022			1240		55	
9/1/2022	9 (J)	85				
2/1/2023		59	2010	694	37	
2/2/2023	<10					566
8/29/2023	9 (J)	70			62	
9/6/2023			1330	686		594

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/24/2024		86	1170			
1/25/2024	17			733	75	446
8/21/2024	25	90	510	817	77	239
1/28/2025			1080			
1/29/2025	9 (J)	76		626	66	851
7/29/2025			977			
7/30/2025	20	90		638	114	722
1/27/2026			1540			
1/28/2026	21	86		613	79	747

Time Series

Constituent: TDS (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016						1570
9/1/2016	539	878	1270	470	184	
10/25/2016	449	585		289	<25	
10/26/2016			1320			1840
1/4/2017		783		639	242	1560
1/5/2017	565		1770			
4/3/2017	632					
4/4/2017				660	187	
4/5/2017		722	1600			
4/6/2017						368
7/11/2017	569			836		383
7/12/2017		962				
7/13/2017			1940		86	
10/2/2017	559			698		
10/3/2017		1240			66	
10/4/2017			2370			1500
1/9/2018	520				167	
1/10/2018		935		322		
1/11/2018			2350			438
7/9/2018				461		
7/10/2018	524	1040			180	
7/11/2018			2260			876
1/16/2019			1540			
1/17/2019	518	1320			178	
1/18/2019						154
1/21/2019				307		
3/25/2019				449		
3/26/2019	541	1380	1220		292	
3/27/2019						158
10/8/2019	526	1500			278	
10/9/2019			1100	434		211
4/7/2020	428	1500			106	819
4/8/2020			881	986		
9/30/2020	434	1140	752	1860	634	113
3/10/2021						210
3/11/2021			705			
3/12/2021	353			1730		
3/16/2021		980			454	
9/21/2021						87
9/22/2021		1680	1530	1430	51	
9/23/2021	556					
2/1/2022		1990	1580	1580	783	
2/3/2022	516					89
8/30/2022				1210	807	
8/31/2022	530		2050			163
9/1/2022		1720				
2/1/2023		2010	1470	2290		
2/2/2023	440				775	113
8/29/2023			1270			2300
9/6/2023		1980		924	826	
9/7/2023	471					
1/23/2024						88

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: TDS (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/24/2024	497		1400	597		
1/25/2024		1860			921	
8/21/2024	464	2100	1120	1210		81
8/22/2024					517	
1/28/2025			1350			64
1/29/2025	576	2470		2110	1210	
7/29/2025			1330	2100		1910
7/30/2025	544	2100			735	
1/27/2026	604			2140		
1/28/2026		3170	1870		1380	1430

Time Series

Constituent: TDS (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			58	54
1/21/2021	41	50		
3/11/2021	149	53	57	41
9/21/2021				37
9/22/2021	184	53		
9/23/2021			56	
2/1/2022		75		
2/2/2022				54
2/3/2022	156		58	
8/31/2022	143		44	
9/1/2022		20		
2/1/2023	103			
2/2/2023		21	23	
9/6/2023	103	20		
9/7/2023			23	
1/24/2024	92			
1/25/2024		28	26	33
8/20/2024				27
8/21/2024	100	46	53	
1/28/2025				31
1/29/2025	71	31	53	
7/29/2025	67			13
7/30/2025		42	67	
1/27/2026			39	
1/28/2026	63	44		32

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/21/2000	<0.002		<0.002	<0.002	<0.002	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/1/2001	<0.002	<0.002				<0.002
11/2/2001			<0.002	<0.002	<0.002	
4/25/2002						<0.002
4/26/2002	<0.002	<0.002	<0.002	<0.002	<0.002	
6/6/2003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/12/2003	<0.002	<0.002	<0.002 (D)	<0.002 (D)	<0.002 (D)	
12/17/2003						0.002
5/26/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/21/2005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/3/2005	<0.002	<0.002				
12/4/2005						<0.002
12/5/2005			<0.002	<0.002	<0.002	
4/4/2006		<0.002				
6/27/2006	<0.002	<0.002	<0.002	<0.002		<0.002
6/29/2006					<0.002	
8/30/2006		<0.002				
12/3/2006	<0.002	<0.002				
12/4/2006			<0.002	<0.002	<0.002	<0.002
2/15/2007		<0.002				
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/30/2016		<0.002		<0.002	<0.002	<0.002
9/1/2016	0.0005 (J)		<0.002			
10/24/2016		<0.002				
10/25/2016	<0.002					<0.002
10/26/2016			<0.002	<0.002	<0.002	
1/3/2017		<0.002		<0.002		
1/4/2017						<0.002
1/5/2017					<0.002	
1/6/2017	<0.002		<0.002			
4/3/2017		<0.002				
4/4/2017			7E-05 (J)			5E-05 (J)
4/6/2017	<0.002			<0.002	<0.002	
7/11/2017		5E-05 (J)				
7/12/2017			<0.002	<0.002	<0.002	<0.002
7/13/2017	<0.002					
10/2/2017		6E-05 (J)				
10/3/2017				<0.002	<0.002	<0.002
10/4/2017	<0.002		<0.002			
1/9/2018	<0.002	<0.002			<0.002	
1/10/2018				<0.002		<0.002
1/11/2018			7E-05 (J)			
7/9/2018		<0.002				
7/10/2018				<0.002	<0.002	<0.002
7/11/2018	<0.002		<0.002			
1/16/2019						<0.002
8/26/2019	<0.002	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
8/27/2019			<0.002		<0.002	<0.002
8/28/2019				5.7E-05 (J)		
10/7/2019		6.2E-05 (J)				
10/8/2019	<0.002					
10/9/2019			<0.002	0.00031 (J)	<0.002	5.4E-05 (J)
4/6/2020	<0.002	<0.002				
4/7/2020			<0.002	<0.002	<0.002	5.4E-05 (J)
8/17/2020		<0.002				
8/19/2020	<0.002		<0.002	<0.002	<0.002	<0.002
9/28/2020	<0.002	<0.002				<0.002
9/30/2020				<0.002	<0.002	
10/1/2020			<0.002			
3/10/2021			<0.002	<0.002	<0.002	<0.002
3/11/2021	<0.002					
3/12/2021		<0.002				
9/21/2021	<0.002	<0.002	<0.002	<0.002	<0.002	
9/23/2021						<0.002
1/31/2022	<0.002	<0.002				
2/2/2022			<0.002		<0.002	
2/3/2022				<0.002		<0.002
8/30/2022	<0.002	<0.002	<0.002	<0.002	<0.002	
9/1/2022						<0.002
1/31/2023	<0.002	<0.002				
2/1/2023				<0.002	<0.002	
2/2/2023			<0.002			<0.002
8/28/2023	<0.002	<0.002				
8/29/2023			<0.002	<0.002	<0.002	<0.002
1/23/2024	<0.002	<0.002			<0.002	<0.002
2/7/2024			<0.002			
2/8/2024				<0.002		
8/19/2024	<0.002					
8/20/2024			<0.002		<0.002	<0.002
8/21/2024		<0.002		<0.002		
1/27/2025		<0.002				
1/28/2025	<0.002		<0.002		<0.002	
1/29/2025				<0.002		<0.002
7/28/2025	<0.002	<0.002	<0.002			
7/29/2025					<0.002	<0.002
7/30/2025				<0.002		
1/27/2026	<0.002	<0.002	<0.002			<0.002
1/28/2026				<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.002	<0.002	<0.002	<0.002	<0.002
11/21/2000	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/1/2001	<0.002		<0.002	<0.002	<0.002	<0.002
11/2/2001		<0.002				
4/25/2002	<0.002					<0.002
4/26/2002		<0.002	<0.002	<0.002	<0.002	
6/6/2003	0.0023					<0.002
6/7/2003		<0.002	<0.002	<0.002	<0.002	
12/12/2003	<0.002	<0.002	<0.002 (D)	<0.002 (D)	<0.002	<0.002
5/26/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
12/7/2004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
6/22/2005		<0.002	<0.002	<0.002	<0.002	
6/23/2005	<0.002					<0.002
12/3/2005	<0.002					<0.002
12/4/2005			<0.002			
12/5/2005		<0.002		<0.002	<0.002	
4/4/2006						<0.002
6/28/2006			<0.002			
6/29/2006	<0.002	<0.002		<0.002	<0.002	<0.002
8/30/2006						<0.002
12/3/2006		<0.002	<0.002	<0.002	<0.002	
12/4/2006	<0.002					<0.002
2/15/2007						<0.002
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
8/31/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
9/1/2016						<0.002
10/25/2016						<0.002
10/26/2016	<0.002		<0.002	0.0003 (J)	<0.002	
10/27/2016		<0.002				
1/4/2017			<0.002	<0.002		
1/5/2017	<0.002				<0.002	<0.002
1/6/2017		<0.002				
4/4/2017	<0.002					7E-05 (J)
4/5/2017				0.0002 (J)		
4/6/2017		<0.002	6E-05 (J)		<0.002	
7/10/2017				0.0002 (J)		
7/11/2017			<0.002			6E-05 (J)
7/12/2017		<0.002			<0.002	
7/13/2017	<0.002					
10/2/2017						<0.002
10/3/2017	<0.002		7E-05 (J)			
10/4/2017		<0.002		0.0002 (J)	<0.002	
1/9/2018						<0.002
1/10/2018	<0.002				<0.002	
1/11/2018		<0.002	0.0001 (J)	0.0002 (J)		
7/9/2018						<0.002
7/10/2018	<0.002					
7/11/2018		<0.002	<0.002	<0.002	<0.002	
3/26/2019					<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
7/30/2019	0.00011 (J)					
8/27/2019	<0.002		<0.002	0.00011 (J)	<0.002	<0.002
8/28/2019		<0.002				
10/8/2019			9.8E-05 (J)		<0.002	<0.002
10/9/2019	<0.002	<0.002		0.00014 (J)		
4/7/2020			0.00019 (J)	0.00013 (J)		<0.002
4/8/2020	<0.002	<0.002			<0.002	
8/17/2020				<0.002	<0.002	
8/18/2020	<0.002		0.00021 (J)			<0.002
8/19/2020		<0.002				
9/28/2020					<0.002	
9/29/2020	<0.002		0.00017 (J)	<0.002		<0.002
10/1/2020		<0.002				
3/10/2021		<0.002	0.00022 (J)	<0.002		
3/15/2021	<0.002				<0.002	
3/16/2021						<0.002
9/21/2021			<0.002	<0.002	<0.002	
9/22/2021	<0.002	<0.002				<0.002
2/2/2022	<0.002	<0.002				<0.002
2/3/2022			<0.002	<0.002	<0.002	
8/30/2022				<0.002		<0.002
8/31/2022			<0.002		<0.002	
9/1/2022	<0.002	<0.002				
2/1/2023		<0.002	<0.002	<0.002	<0.002	
2/2/2023	<0.002					<0.002
8/29/2023	<0.002	<0.002			<0.002	
9/6/2023			<0.002	<0.002		<0.002
1/24/2024		<0.002	<0.002			
1/25/2024	<0.002			<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/28/2025			<0.002			
1/29/2025	<0.002	<0.002		<0.002	<0.002	<0.002
7/29/2025			<0.002			
7/30/2025	<0.002	<0.002		<0.002	<0.002	<0.002
1/27/2026			<0.002			
1/28/2026	<0.002	<0.002		<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.002	<0.002	<0.002			
11/21/2000	<0.002	<0.002	<0.002			
1/20/2001	<0.002	<0.002	<0.002			
3/14/2001	<0.002	<0.002	<0.002			
7/16/2001	<0.002	<0.002	<0.002			
11/1/2001	<0.002	<0.002	<0.002			
4/25/2002	<0.002	<0.002	<0.002			
6/6/2003	<0.002	<0.002	<0.002			
12/12/2003	<0.002	<0.002	<0.002			
5/26/2004	<0.002	<0.002	<0.002			
12/7/2004	<0.002	<0.002	<0.002			
6/21/2005		<0.002				
6/23/2005	<0.002		<0.002			
12/3/2005	<0.002					
12/4/2005		<0.002				
12/5/2005			<0.002			
4/4/2006		<0.002				
6/29/2006	<0.002	<0.002	<0.002			
8/30/2006		<0.002				
12/4/2006	<0.002	<0.002	<0.002			
2/15/2007		<0.002				
6/23/2007	<0.002	<0.002	<0.002			
8/31/2016						<0.002
9/1/2016	<0.002	<0.002	<0.002	<0.002	<0.002	
10/25/2016	<0.002	<0.002		<0.002	<0.002	
10/26/2016			<0.002			<0.002
1/4/2017		<0.002		<0.002	<0.002	<0.002
1/5/2017	<0.002		<0.002			
4/3/2017	<0.002					
4/4/2017				<0.002	5E-05 (J)	
4/5/2017		6E-05 (J)	0.0001 (J)			
4/6/2017						<0.002
7/11/2017	<0.002			<0.002		<0.002
7/12/2017		<0.002				
7/13/2017			<0.002		<0.002	
10/2/2017	<0.002			<0.002		
10/3/2017		<0.002			<0.002	
10/4/2017			0.0001 (J)			0.0001 (J)
1/9/2018	<0.002				<0.002	
1/10/2018		5E-05 (J)		<0.002		
1/11/2018			0.0001 (J)			6E-05 (J)
7/9/2018				<0.002		
7/10/2018	<0.002	<0.002			<0.002	
7/11/2018			<0.002			<0.002
8/27/2019	<0.002					8.6E-05 (J)
8/28/2019		<0.002	6.6E-05 (J)	<0.002	<0.002	
10/8/2019	<0.002	<0.002			<0.002	
10/9/2019			7.6E-05 (J)	<0.002		<0.002
4/7/2020	<0.002	<0.002			<0.002	6.5E-05 (J)
4/8/2020			5.6E-05 (J)	<0.002		
8/18/2020	<0.002	<0.002	<0.002	<0.002	<0.002	0.00017 (J)
9/30/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
3/10/2021						<0.002
3/11/2021			<0.002			
3/12/2021	<0.002			<0.002		
3/16/2021		<0.002			<0.002	
9/21/2021						<0.002
9/22/2021		<0.002	<0.002	<0.002	<0.002	
9/23/2021	<0.002					
2/1/2022		<0.002	<0.002	<0.002	<0.002	
2/3/2022	<0.002					<0.002
8/30/2022				<0.002	<0.002	
8/31/2022	<0.002		<0.002			<0.002
9/1/2022		<0.002				
2/1/2023		<0.002	<0.002	<0.002		
2/2/2023	<0.002				<0.002	<0.002
8/29/2023			<0.002			<0.002
9/6/2023		<0.002		<0.002	<0.002	
9/7/2023	<0.002					
1/23/2024						<0.002
1/24/2024	<0.002		<0.002	<0.002		
1/25/2024		<0.002			<0.002	
8/21/2024	<0.002	<0.002	<0.002	<0.002		<0.002
8/22/2024					<0.002	
1/28/2025			<0.002			<0.002
1/29/2025	<0.002	<0.002		<0.002	<0.002	
7/29/2025			<0.002	<0.002		<0.002
7/30/2025	<0.002	<0.002			<0.002	
1/27/2026	<0.002			<0.002		
1/28/2026		<0.002	<0.002		<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.002	<0.002	<0.002	<0.002
9/21/2021				<0.002
9/22/2021	<0.002	<0.002		
9/23/2021			<0.002	
2/1/2022		<0.002		
2/2/2022				<0.002
2/3/2022	<0.002		<0.002	
8/31/2022	<0.002		<0.002	
9/1/2022		<0.002		
2/1/2023	<0.002			
2/2/2023		<0.002	<0.002	
9/6/2023	<0.002	<0.002		
9/7/2023			<0.002	
1/24/2024	<0.002			
1/25/2024		<0.002	<0.002	<0.002
8/20/2024				<0.002
8/21/2024	<0.002	<0.002	<0.002	
1/28/2025				<0.002
1/29/2025	<0.002	<0.002	<0.002	
7/29/2025	<0.002			<0.002
7/30/2025		<0.002	<0.002	
1/27/2026			<0.002	
1/28/2026	<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.0025	<0.02	0.06	0.038	0.12	<0.02
11/21/2000	<0.0025		0.068	0.013	0.13	<0.02
1/20/2001	<0.0025	<0.02	0.12	0.038	0.14	<0.02
3/14/2001	<0.0025	<0.02	0.08	0.077	0.13	<0.02
7/16/2001	<0.0025	<0.02	0.11	0.12 (O)	0.18	<0.02
11/1/2001	<0.0025	<0.02				<0.02
11/2/2001			0.079	0.21 (O)	0.12	
4/25/2002						<0.02
4/26/2002	<0.0025	<0.02	0.11	0.086	0.15	
11/20/2002			0.15	0.14 (O)	0.15	0.0069
11/21/2002		<0.02				
6/6/2003	0.047	0.017	0.12	0.12 (O)	0.11	0.16 (O)
12/12/2003	0.0086	0.011	0.13	0.014	0.089	
12/17/2003						<0.02
5/26/2004	<0.0025	<0.02	0.095	0.06	0.09	<0.02
12/8/2004	<0.0025	<0.02				<0.02
12/10/2004			0.067	0.054	0.072	
6/21/2005	<0.0025	<0.02	0.062	0.038	0.04	<0.02
12/3/2005	<0.0025	<0.02				
12/4/2005						<0.02
12/5/2005			0.09	0.0056	0.021	
4/4/2006		<0.02				
6/27/2006	<0.0025	<0.02	0.083	0.0043		0.0029
6/29/2006					0.02	
8/30/2006		<0.02				
12/3/2006	0.0027	<0.02				
12/4/2006			0.084	0.0044	0.022	0.0047
2/15/2007		<0.02				
6/23/2007	0.0027	<0.02	0.081	0.0039	0.027	0.0029
9/11/2007		<0.02				
9/12/2007			0.076	0.0031		0.0032
9/14/2007	0.0035				0.019	
11/7/2007			0.081	0.0035		0.0025
11/8/2007	0.0044	0.0026			0.023	
12/11/2007	0.0033	<0.02			0.017	
12/12/2007			0.067	0.0029		<0.02
1/17/2008			0.069	0.0032	0.018	0.0029
1/18/2008	0.0052	<0.02				
3/11/2008		<0.02				
3/12/2008			0.054			<0.02
3/13/2008	0.0045			0.0026	0.016	
6/4/2008	0.0073	<0.02		<0.01		0.0033
6/5/2008			0.055		0.016	
6/23/2008	0.0074	<0.02				
6/24/2008			0.059	0.003	0.053	<0.02
7/29/2008	0.0068	<0.02				
7/30/2008			0.059	<0.01	0.022	
7/31/2008						<0.02
11/3/2008		<0.02				
12/4/2008	0.0084	<0.02				
12/5/2008			0.054	<0.01	0.0078	<0.02
3/25/2009		<0.02				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	0.023	<0.02	0.038	<0.01	0.012	<0.02
9/14/2009		<0.02				
12/20/2009	0.007	<0.02				<0.02
12/21/2009			0.06	<0.01	0.011	
3/4/2010		<0.02				
6/20/2010	0.0047	<0.02		<0.01	0.0083	0.0037
6/21/2010			0.036			
9/14/2010		<0.02				
1/6/2011				0.0067		<0.02
1/7/2011	0.018	<0.02	0.043		0.0079	
4/15/2011		<0.02				
7/7/2011	0.019	<0.02		0.019	0.007	0.0045
7/8/2011			0.044			
9/25/2011		<0.02				
1/17/2012	0.0298	<0.02		0.021		<0.02
1/18/2012			0.045		0.0116	
4/4/2012		<0.02				
7/9/2012	0.14			0.032		0.0026
7/10/2012		<0.02	0.048		0.0096	
10/9/2012		<0.02				
1/17/2013				0.034		<0.02
1/18/2013	0.21	<0.02	0.049		<0.005	
4/5/2013		<0.02				
7/16/2013				0.021		<0.02
7/17/2013	0.18	<0.02	0.05		<0.005	
10/11/2013		<0.02				
1/13/2014	0.24			0.0084		0.0024 (J)
1/14/2014		<0.02	0.067		0.0047 (J)	
4/3/2014		0.0015 (J)				
7/9/2014	0.22	0.0012 (J)	0.055	0.0052	0.0039 (J)	0.0041 (J)
10/24/2014		<0.02				
1/12/2015			0.066			
1/13/2015	0.19			0.0036 (J)		0.0029 (J)
1/14/2015		<0.02			0.005	
5/10/2015		<0.02				
7/16/2015	0.23		0.045	0.004 (J)		0.0034 (J)
7/17/2015		<0.02			0.0045 (J)	
10/6/2015		0.0012 (J)				
1/17/2016						0.0046 (J)
1/18/2016	0.41 (O)	0.00079 (J)	0.049	0.0069	0.0044 (J)	
4/26/2016		<0.02				
7/27/2016	0.397 (O)			0.0046 (J)		0.0064 (J)
7/28/2016		<0.02			0.0038 (J)	
7/29/2016			0.0388			
10/24/2016		<0.02				
10/25/2016	0.425 (O)					
1/3/2017		<0.02		<0.01		
1/4/2017						<0.02
1/5/2017					0.0077 (J)	
1/6/2017	0.41 (O)		0.0341			
4/3/2017		<0.02				
4/4/2017			0.0371			0.0061 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
4/6/2017	0.297 (O)			0.0063 (J)	0.0069 (J)	
7/11/2017		<0.02				
7/12/2017			0.0399	0.0064 (J)	0.0098 (J)	0.0067 (J)
7/13/2017	0.194					
10/2/2017		<0.02				
10/4/2017	0.316 (O)					
1/9/2018	0.194	0.0014 (J)			0.0086 (J)	
1/10/2018				0.0077 (J)		0.0056 (J)
1/11/2018			0.0327			
7/9/2018		<0.02				
7/10/2018				0.016	0.0098 (J)	0.0056 (J)
7/11/2018	0.15		0.02			
1/16/2019	0.16	<0.02	0.0022 (J)	0.0033 (J)	0.077	0.0043 (J)
3/25/2019	0.18	<0.02	0.004 (J)			
3/26/2019				0.0058 (J)	0.086	0.0051 (J)
10/7/2019		<0.02				
10/8/2019	0.11					
10/9/2019			<0.01	0.033 (J)	0.018 (J)	<0.02
4/6/2020	0.12	<0.02				
4/7/2020			0.0037 (J)	0.0053 (J)	0.041 (J)	0.0015 (J)
9/28/2020	0.1	<0.02				0.0042 (J)
9/30/2020				0.0037 (J)	0.018	
10/1/2020			0.0047 (J)			
3/10/2021			0.0054 (J)	0.0026 (J)	0.027	0.005 (J)
3/11/2021	0.14					
3/12/2021		<0.02				
9/21/2021	0.096	<0.02	0.0027 (J)	0.0039 (J)	0.015	
9/23/2021						0.0042 (J)
1/31/2022	0.1	<0.02				
2/2/2022			0.0031 (J)		0.0099 (J)	
2/3/2022				0.0046 (J)		0.0028 (J)
8/30/2022	0.11	0.00372 (J)	0.00943 (J)	0.0138 (J)	0.0192 (J)	
9/1/2022						0.00748 (J)
1/31/2023	0.106	<0.02				
2/1/2023				0.0255	0.0201	
2/2/2023			0.021			0.00497 (J)
8/28/2023	0.137	0.0148 (J)				
8/29/2023			0.0201	0.00917 (J)	0.0226	0.0146 (J)
1/23/2024	0.148	0.00564 (J)			0.022	<0.02
2/7/2024			0.0119 (J)			
2/8/2024				0.0609		
8/19/2024	0.125					
8/20/2024			0.0189 (J)		0.0155 (J)	<0.02
8/21/2024		<0.02		0.0209		
1/27/2025		<0.02				
1/28/2025	0.167		0.0116 (J)		0.0211	
1/29/2025				0.0125 (J)		0.00626 (J)
7/28/2025	0.156	0.00341 (J)	0.0278			
7/29/2025					0.0285	0.00673 (J)
7/30/2025				0.00844 (J)		
1/27/2026	0.138	<0.02	0.0198 (J)			0.00517 (J)
1/28/2026				0.00881 (J)	0.0275	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.02	<0.02	<0.01	<0.02	<0.01
11/21/2000	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
1/20/2001	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
3/14/2001	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
7/16/2001	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
11/1/2001	<0.02		<0.02	<0.01	<0.02	<0.01
11/2/2001		<0.02				
4/25/2002	<0.02					<0.01
4/26/2002		<0.02	<0.02	<0.01	<0.02	
11/21/2002		0.014	0.0071			0.03
11/22/2002	<0.02			<0.01	<0.02	
6/6/2003	<0.02					0.0065
6/7/2003		<0.02	0.0098	<0.01	0.0063	
12/12/2003	<0.02	<0.02	0.0074	<0.01	<0.02	0.0052
5/27/2004	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01
12/8/2004	<0.02			<0.01		0.0074
12/9/2004		<0.02	<0.02		<0.02	
6/22/2005		<0.02	<0.02	<0.01	<0.02	
6/23/2005	<0.02					0.01
12/3/2005	<0.02					0.0065
12/4/2005			<0.02			
12/5/2005		<0.02		<0.01	<0.02	
4/4/2006						0.013
6/28/2006			<0.02			
6/29/2006	<0.02	<0.02		<0.01	<0.02	0.0045
8/30/2006						0.0039
12/3/2006		<0.02	<0.02	<0.01	<0.02	
12/4/2006	<0.02					0.016
2/15/2007						0.017
6/23/2007	<0.02	<0.02	0.0036	<0.01	<0.02	0.0076
9/11/2007						0.012
9/12/2007	<0.02					
9/13/2007		<0.02	<0.02	<0.01	<0.02	
11/6/2007	<0.02					0.016
11/7/2007				<0.01	<0.02	
11/8/2007		<0.02	<0.02			
12/11/2007		<0.02	<0.02	<0.01	<0.02	
12/12/2007	<0.02					0.017
1/15/2008			<0.02	<0.01	<0.02	
1/16/2008	<0.02	<0.02				<0.01
3/11/2008				<0.01	<0.02	0.012
3/12/2008	<0.02	<0.02				
3/13/2008			<0.02			
6/3/2008			<0.02	<0.01	<0.02	
6/4/2008		<0.02				
6/5/2008	<0.02					0.017
6/23/2008		<0.02	<0.02	<0.01	<0.02	
6/24/2008	<0.02					0.0069
7/29/2008		<0.02	<0.02			
7/30/2008				<0.01	<0.02	
7/31/2008	<0.02					0.0074
11/3/2008						0.016

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.02	<0.02	<0.02	<0.01	<0.02	0.013
3/25/2009						0.014
7/8/2009	<0.02	0.0029	0.0026	<0.01	<0.02	0.014
9/14/2009						0.0072
12/20/2009	<0.02					0.02
12/21/2009		<0.02	<0.02	<0.01	<0.02	
3/4/2010						0.023
6/20/2010	<0.02	<0.02	<0.02	<0.01	<0.02	0.017
9/14/2010						0.018
1/6/2011	<0.02		0.003		0.0028	
1/7/2011		<0.02		<0.01		0.019
4/15/2011						0.019
7/7/2011	<0.02		0.004	<0.01	<0.02	0.014
7/8/2011		<0.02				
9/25/2011						0.015
1/17/2012	<0.02		<0.02	<0.01	<0.02	0.021
1/18/2012		<0.02				
4/4/2012						0.0191
7/9/2012	<0.02		0.005	<0.01	<0.02	0.026
7/10/2012		<0.02				
10/9/2012						0.049
1/17/2013	<0.02		0.005	<0.01	<0.02	
1/18/2013		<0.02				0.036
4/5/2013						0.04
7/16/2013			<0.02	<0.01	<0.02	
7/17/2013	<0.02	<0.02				0.062
10/11/2013						0.032
1/13/2014	<0.02		0.0033 (J)	0.004 (J)	0.0011 (J)	
1/14/2014		<0.02				0.044
4/3/2014						0.077 (O)
7/8/2014			0.0024 (J)	0.0034 (J)	0.002 (J)	
7/9/2014	<0.02	0.0016 (J)				0.032
10/24/2014						0.045
1/13/2015	<0.02		0.0023 (J)	<0.01	0.0015 (J)	
1/14/2015		<0.02				0.031
5/10/2015						0.013
7/16/2015	<0.02		0.002 (J)	0.0049 (J)	<0.02	
7/17/2015		0.0029 (J)				0.028
10/6/2015						0.02
1/17/2016	<0.02					0.028
1/18/2016		<0.02		0.0058	0.0011 (J)	
1/19/2016			0.0025 (J)			
4/26/2016						0.0181
7/26/2016			0.0027 (J)		<0.02	
7/27/2016	<0.02			0.0058 (J)		0.0189
7/28/2016		<0.02				
10/25/2016						0.0206
1/4/2017			<0.02	<0.01		
1/5/2017	<0.02				<0.02	0.0172
1/6/2017		<0.02				
4/4/2017	<0.02					0.0235
4/5/2017				0.0039 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017		<0.02	0.0025 (J)		<0.02	
7/10/2017				0.0062 (J)		
7/11/2017			0.0027 (J)			0.0136
7/12/2017		0.0013 (J)			0.0016 (J)	
7/13/2017	<0.02					
10/2/2017						0.0175
1/9/2018						0.0103
1/10/2018	<0.02				0.0019 (J)	
1/11/2018		<0.02	0.0019 (J)	0.0025 (J)		
7/9/2018						0.0078 (J)
7/10/2018	<0.02					
7/11/2018		<0.02	0.0021 (J)	0.0059 (J)	0.0097 (J)	
1/16/2019					<0.02	0.0043 (J)
1/17/2019			0.0021 (J)	<0.01		
1/18/2019		<0.02				
1/21/2019	0.0024 (J)					
3/26/2019					0.0029 (J)	0.0063 (J)
3/27/2019		<0.02	0.0023 (J)	0.0049 (J)		
7/30/2019	<0.02					
10/8/2019			<0.02		<0.02	<0.01
10/9/2019	<0.02	<0.02		0.0021 (J)		
4/7/2020			<0.02	0.0024 (J)		0.0026 (J)
4/8/2020	<0.02	0.0015 (J)			<0.02	
9/28/2020					<0.02	
9/29/2020	<0.02		0.0023 (J)	0.0046 (J)		<0.01
10/1/2020		<0.02				
3/10/2021		<0.02	0.0023 (J)	0.0055 (J)		
3/15/2021	<0.02				<0.02	
3/16/2021						<0.01
9/21/2021			0.002 (J)	0.0051 (J)	<0.02	
9/22/2021	<0.02	<0.02				0.0052 (J)
2/2/2022	<0.02	<0.02				0.004 (J)
2/3/2022			0.0031 (J)	0.0052 (J)	<0.02	
8/30/2022				0.00949 (J)		0.00933 (J)
8/31/2022			0.00481 (J)		<0.02	
9/1/2022	0.0045 (J)	0.00514 (J)				
2/1/2023		<0.02	0.00373 (J)	0.0056 (J)	<0.02	
2/2/2023	<0.02					0.00594 (J)
8/29/2023	0.00777 (J)	0.0103 (J)			0.0188 (J)	
9/6/2023			0.00685 (J)	0.0101 (J)		0.00671 (J)
1/24/2024		<0.02	0.00641 (J)			
1/25/2024	<0.02			0.00544 (J)	0.00439 (J)	0.00731 (J)
8/21/2024	<0.02	<0.02	0.00332 (J)	0.00869 (J)	<0.02	0.0038 (J)
1/28/2025			<0.02			
1/29/2025	<0.02	<0.02		0.00777 (J)	0.00361 (J)	0.00825 (J)
7/29/2025			0.00404 (J)			
7/30/2025	0.00539 (J)	0.00373 (J)		0.0107 (J)	0.00332 (J)	0.00867 (J)
1/27/2026			<0.02			
1/28/2026	0.00438 (J)	0.00414 (J)		0.0102 (J)	0.00412 (J)	0.0078 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.01	<0.05	<0.02			
11/21/2000	<0.01	<0.05	<0.02			
1/20/2001	<0.01	<0.05	<0.02			
3/14/2001	<0.01	<0.05	<0.02			
7/16/2001	<0.01	<0.05	<0.02			
11/1/2001	<0.01	<0.05	<0.02			
4/25/2002	<0.01	<0.05	<0.02			
11/21/2002	0.0099	0.0069	<0.02			
6/6/2003	0.019	0.082	<0.02			
12/12/2003	0.018	0.012	<0.02			
5/26/2004	<0.01	<0.05				
5/27/2004			<0.02			
12/8/2004	<0.01	<0.05	<0.02			
6/21/2005		<0.05				
6/23/2005	<0.01		<0.02			
12/3/2005	<0.01					
12/4/2005		<0.05				
12/5/2005			<0.02			
4/4/2006		<0.05				
6/29/2006	<0.01	<0.05	0.0025			
8/30/2006		<0.05				
12/4/2006	<0.01	0.0031	<0.02			
2/15/2007		0.0025				
6/23/2007	<0.01	0.0032	<0.02			
9/11/2007		<0.05				
9/12/2007	0.0026		<0.02			
11/6/2007	<0.01	<0.05	<0.02			
12/12/2007	<0.01	<0.05	<0.02			
1/16/2008	<0.01	0.02	<0.02			
3/11/2008		<0.05				
3/12/2008	<0.01					
3/13/2008			<0.02			
6/4/2008			<0.02			
6/5/2008	<0.01	<0.05				
6/24/2008	<0.01	<0.05	<0.02			
7/31/2008	<0.01	0.0031	<0.02			
11/3/2008		0.0032				
12/5/2008	<0.01	<0.05	<0.02			
3/25/2009		<0.05				
7/8/2009	<0.01	0.0036	<0.02			
9/14/2009		0.0026				
12/20/2009	<0.01	0.0031				
12/21/2009			<0.02			
3/4/2010		<0.05				
6/20/2010	<0.01					
6/21/2010		0.0025	<0.02	<0.01	<0.01	<0.02
9/14/2010		0.0035				
1/7/2011	<0.01	0.0036	<0.02	0.0029	0.0031	<0.02
4/15/2011		<0.05				
7/7/2011	0.0036	0.003				
7/8/2011			0.0031	0.0046	0.0048	<0.02
9/25/2011		0.0037				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.01					
1/18/2012		<0.05	<0.02	<0.01	<0.01	<0.02
4/4/2012		<0.05				
7/9/2012	0.0059					
7/10/2012		0.0026	<0.02	0.0081	<0.01	<0.02
10/9/2012		0.007				
1/18/2013	<0.01	<0.05	<0.02	0.0063	<0.01	<0.02
4/5/2013		<0.05				
7/17/2013	<0.01	<0.05	<0.02	<0.01	<0.01	<0.02
10/11/2013		<0.05				
1/13/2014	0.0021 (J)					
1/14/2014		0.003 (J)	0.0031 (J)	0.0026 (J)	0.0057	0.0026 (J)
4/3/2014		0.0032 (J)				
7/9/2014	0.0012 (J)	0.0031 (J)	0.0012 (J)		0.0019 (J)	
7/10/2014				0.0026 (J)		0.0053
10/24/2014		0.0028 (J)				
1/12/2015				0.0031 (J)		
1/13/2015	0.0013 (J)					
1/14/2015		0.0034 (J)	0.002 (J)		0.0037 (J)	0.0013 (J)
5/11/2015		0.0026 (J)				
7/16/2015	<0.01	0.0028 (J)				
7/17/2015					0.0028 (J)	
7/18/2015			<0.02	0.003 (J)		0.0043 (J)
10/6/2015		0.0016 (J)				
1/17/2016	0.0013 (J)	0.0029 (J)		0.0025 (J)	0.0039 (J)	
1/18/2016			0.0019 (J)			<0.02
4/26/2016		0.00296 (J)				
7/27/2016	<0.01					
7/28/2016		0.0026 (J)		0.0024 (J)	0.0022 (J)	
7/29/2016			0.0031 (J)			0.0052 (J)
10/25/2016	<0.01	<0.05		<0.01		
1/4/2017		<0.05		<0.01	<0.01	<0.02
1/5/2017	<0.01		<0.02			
4/3/2017	0.002 (J)					
4/4/2017				0.0024 (J)	0.003 (J)	
4/5/2017		0.0033 (J)	0.0029 (J)			
4/6/2017						<0.02
7/11/2017	0.0022 (J)			0.003 (J)		0.0016 (J)
7/12/2017		0.0037 (J)				
7/13/2017			0.0037 (J)		0.0019 (J)	
10/2/2017	0.0022 (J)			0.0028 (J)		
10/3/2017		0.0036 (J)				
1/9/2018	0.0021 (J)				0.0046 (J)	
1/10/2018		0.0029 (J)		0.0026 (J)		
1/11/2018			0.0026 (J)			0.0012 (J)
7/9/2018				<0.01		
7/10/2018	0.0025 (J)	0.0025 (J)			0.0031 (J)	
7/11/2018			0.0032 (J)			0.0025 (J)
1/16/2019			<0.02			
1/17/2019	<0.01	0.0021 (J)			0.0022 (J)	
1/18/2019						<0.02
1/21/2019				0.0031 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
3/25/2019				0.0024 (J)		
3/26/2019	0.0026 (J)	0.0038 (J)	0.0024 (J)		0.0041 (J)	
3/27/2019						0.002 (J)
10/8/2019	<0.01	<0.05			<0.01	
10/9/2019			<0.02	<0.01		<0.02
4/7/2020	<0.01	<0.05			<0.01	0.0014 (J)
4/8/2020			<0.02	<0.01		
9/30/2020	0.0028 (J)	0.0028 (J)	<0.02	0.0029 (J)	0.0029 (J)	<0.02
3/10/2021						<0.02
3/11/2021			<0.02			
3/12/2021	0.0037 (J)			0.0038 (J)		
3/16/2021		0.0034 (J)			0.003 (J)	
9/21/2021						<0.02
9/22/2021		0.0025 (J)	<0.02	0.0033 (J)	<0.01	
9/23/2021	0.0022 (J)					
2/1/2022		0.0021 (J)	0.0022 (J)	0.0039 (J)	0.0036 (J)	
2/3/2022	0.0023 (J)					<0.02
8/30/2022				0.00647 (J)	0.00715 (J)	
8/31/2022	0.00476 (J)		0.00599 (J)			0.00396 (J)
9/1/2022		0.0065 (J)				
2/1/2023		0.00361 (J)	0.005 (J)	0.00526 (J)		
2/2/2023	0.00453 (J)				0.00537 (J)	<0.02
8/29/2023			0.0108 (J)			0.0353
9/6/2023		0.00631 (J)		0.00768 (J)	0.0101 (J)	
9/7/2023	0.00462 (J)					
1/23/2024						0.00394 (J)
1/24/2024	0.00594 (J)		0.0059 (J)	0.00642 (J)		
1/25/2024		0.00575 (J)			0.00735 (J)	
8/21/2024	0.00338 (J)	0.00407 (J)	<0.02	0.00558 (J)		<0.02
8/22/2024					0.00457 (J)	
1/28/2025			<0.02			<0.02
1/29/2025	0.00419 (J)	0.00543 (J)		0.00736 (J)	0.00701 (J)	
7/29/2025			0.00465 (J)	0.00636 (J)		0.00665 (J)
7/30/2025	0.00438 (J)	0.00574 (J)			0.00587 (J)	
1/27/2026	0.00432 (J)			0.00512 (J)		
1/28/2026		0.00515 (J)	0.00484 (J)		0.00759 (J)	0.0048 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	<0.02	<0.02	0.0024 (J)	<0.02
9/21/2021				<0.02
9/22/2021	<0.02	<0.02		
9/23/2021			<0.02	
2/1/2022		<0.02		
2/2/2022				<0.02
2/3/2022	<0.02		<0.02	
8/31/2022	<0.02		<0.02	
9/1/2022		0.00414 (J)		
2/1/2023	<0.02			
2/2/2023		<0.02	<0.02	
9/6/2023	<0.02	<0.02		
9/7/2023			<0.02	
1/24/2024	<0.02			
1/25/2024		<0.02	<0.02	<0.02
8/20/2024				<0.02
8/21/2024	<0.02	<0.02	<0.02	
1/28/2025				<0.02
1/29/2025	<0.02	<0.02	<0.02	
7/29/2025	<0.02			<0.02
7/30/2025		<0.02	<0.02	
1/27/2026			<0.02	
1/28/2026	<0.02	<0.02		<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
9/29/2000	<0.05	<0.02	<0.02	0.026	<0.01	<0.02
11/21/2000	<0.05		<0.02	<0.1	0.024	<0.02
1/20/2001	<0.05	0.025	0.041	0.031	<0.01	<0.02
3/14/2001	<0.05	<0.02	<0.02	0.063	<0.01	<0.02
7/16/2001	<0.05	<0.02	0.059	0.08	<0.01	<0.02
11/1/2001	<0.05	<0.02				<0.02
11/2/2001			<0.02	0.16	<0.01	
4/25/2002						<0.02
4/26/2002	<0.05	<0.02	<0.02	<0.1	<0.01	
11/20/2002			0.061	0.14	0.028	<0.02
11/21/2002		0.016				
6/6/2003	0.69 (O)	0.032	0.041	0.51 (O)	0.032	0.011
12/12/2003	0.12	0.019	0.012	<0.1	<0.01	
12/17/2003						<0.02
5/26/2004	0.013	<0.02	0.016	0.036	<0.01	<0.02
12/8/2004	<0.05	<0.02				<0.02
12/10/2004			<0.02	0.069	0.012	
6/21/2005	<0.05	<0.02	<0.02	0.076	<0.01	<0.02
12/3/2005	0.014	0.01				
12/4/2005						<0.02
12/5/2005			0.017	<0.1	<0.01	
4/4/2006		<0.02				
6/27/2006	0.01	0.0043	0.11	0.01		<0.02
6/29/2006					0.0071	
8/30/2006		0.017				
12/3/2006	0.0065	0.0053				
12/4/2006			0.086	0.0035	0.0096	<0.02
2/15/2007		0.0045				
6/23/2007	0.0049	0.0043	0.076	0.0032	0.094 (O)	<0.02
9/11/2007		0.004				
9/12/2007			0.076	0.0048		<0.02
9/14/2007	0.0052				0.019	
11/7/2007			0.069	<0.1		<0.02
11/8/2007	0.0026	0.0035			0.051	
12/11/2007	0.0043	0.0048			0.042	
12/12/2007			0.087	0.0079		<0.02
1/17/2008			0.021	<0.1	0.012	<0.02
1/18/2008	0.0046	0.005				
3/11/2008		0.0043				
3/12/2008			0.063			0.0031
3/13/2008	0.0054			0.0036	0.047	
6/4/2008	0.004	0.004		0.0025		0.0026
6/5/2008			0.028		0.021	
6/23/2008	0.0025	0.0037				
6/24/2008			0.062	<0.1	0.098 (O)	<0.02
7/29/2008	<0.05	0.0028				
7/30/2008			0.025	<0.1	0.015	
7/31/2008						<0.02
11/3/2008		0.0032				
12/4/2008	0.0025	0.0029				
12/5/2008			0.014	<0.1	0.047	<0.02
3/25/2009		0.0055				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
7/7/2009	<0.05	0.0028	0.052	<0.1	0.024	<0.02
9/14/2009		0.0027				
12/20/2009	0.0031	0.0029				<0.02
12/21/2009			0.046	<0.1	0.049	
3/4/2010		0.0042				
6/20/2010	<0.05	0.0027		<0.1	0.045	<0.02
6/21/2010			0.045			
9/14/2010		<0.02				
1/6/2011				<0.1		<0.02
1/7/2011	<0.05	0.0032	0.024		0.0044	
4/15/2011		<0.02				
7/7/2011	0.0031	0.005		0.0027	0.003	0.0025
7/8/2011			0.023			
9/25/2011		0.0041				
1/17/2012	0.004	0.0043		0.0039		<0.02
1/18/2012			0.011		0.0048	
4/4/2012		<0.02				
7/9/2012	0.0096			<0.1		<0.02
7/10/2012		0.0028	0.024		<0.01	
10/9/2012		0.0033				
1/17/2013				<0.1		<0.02
1/18/2013	0.051	0.0038	0.011		0.0028	
4/5/2013		0.0026				
7/16/2013				0.0032		<0.02
7/17/2013	0.042	<0.02	0.0029		<0.01	
10/11/2013		0.0046				
1/13/2014	0.062			0.0029		0.0025
1/14/2014		0.0043	0.012		0.0034	
4/3/2014		0.0029				
7/9/2014	0.064	0.002 (J)	0.0051	0.00076 (J)	0.00093 (J)	<0.02
10/24/2014		0.0031				
1/12/2015			0.0023 (J)			
1/13/2015	0.066			0.0036		0.0025
1/14/2015		0.003			0.0023 (J)	
5/10/2015		0.0028				
7/16/2015	0.036		0.0021 (J)	<0.1		<0.02
7/17/2015		0.0018 (J)			<0.01	
10/6/2015		0.0018 (J)				
1/17/2016						<0.02
1/18/2016	0.035	0.0028	0.0092	<0.1	0.0029	
4/26/2016		<0.02				
7/27/2016	0.0529			0.0015 (J)		<0.02
7/28/2016		0.0018 (J)			<0.01	
7/29/2016			0.003 (J)			
10/24/2016		0.0024 (J)				
10/25/2016	0.0035 (J)					
1/3/2017		0.0035 (J)		<0.1		
1/4/2017						<0.02
1/5/2017					<0.01	
1/6/2017	0.0235		0.0104			
4/3/2017		0.0041 (J)				
4/4/2017			0.0132			<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-4R	GWB-5R	GWB-6R	GWC-1
4/6/2017	0.0829			0.0023 (J)	0.0032 (J)	
7/11/2017		0.0029 (J)				
7/12/2017			0.0046 (J)	<0.1	0.002 (J)	<0.02
7/13/2017	0.0853					
10/2/2017		0.0026 (J)				
10/4/2017	0.0263					
1/9/2018	0.0665	0.0035 (J)			0.0036 (J)	
1/10/2018				0.0022 (J)		0.0014 (J)
1/11/2018			0.0095 (J)			
7/9/2018		0.0022 (J)				
7/10/2018				<0.1	0.0055 (J)	0.0021 (J)
7/11/2018	0.02 (J)		0.0028 (J)			
1/16/2019	0.014 (J)	0.0037 (J)	0.0052 (J)	<0.1	<0.01	<0.02
3/25/2019	<0.05 (O)	<0.02	0.0078 (J)			
3/26/2019				<0.1	<0.01	<0.02
10/7/2019		0.0077 (J)				
10/8/2019	0.095					
10/9/2019			0.0064 (J)	0.0081 (J)	0.016 (J)	0.0057 (J)
4/6/2020	<0.05	<0.02				
4/7/2020			<0.02	<0.1	<0.01	<0.02
9/28/2020	0.16	0.0092 (J)				0.0092 (J)
9/30/2020				<0.1	<0.01	
10/1/2020			0.0064 (J)			
3/10/2021			<0.02	<0.1	<0.01	<0.02
3/11/2021	0.054					
3/12/2021		0.0028 (J)				
9/21/2021	<0.05	<0.02	<0.02	<0.1	<0.01	
9/23/2021						<0.02
1/31/2022	<0.05	<0.02				
2/2/2022			<0.02		<0.01	
2/3/2022				<0.1		<0.02
8/30/2022	0.011 (J)	<0.02	<0.02	<0.1	0.0132 (J)	
9/1/2022						0.00578 (J)
1/31/2023	0.00457 (J)	<0.02				
2/1/2023				<0.1	0.0121 (J)	
2/2/2023			<0.02			<0.02
8/28/2023	0.00851 (J)	<0.02				
8/29/2023			<0.02	<0.1	0.0406	<0.02
1/23/2024	0.00392 (J)	<0.02			0.0212	<0.02
2/7/2024			0.00455 (J)			
2/8/2024				<0.1		
8/19/2024	0.00727 (J)					
8/20/2024			0.00972 (J)		0.0355	0.00917 (J)
8/21/2024		0.0123 (J)		<0.1		
1/27/2025		0.00538 (J)				
1/28/2025	0.00891 (J)		0.00735 (J)		0.0206	
1/29/2025				<0.1		0.00514 (J)
7/28/2025	0.00395 (J)	<0.02	<0.02			
7/29/2025					0.0152 (J)	<0.02
7/30/2025				<0.1		
1/27/2026	0.0082 (J)	<0.02	<0.02			<0.02
1/28/2026				<0.1	0.0373	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
9/29/2000		<0.1	<0.02	0.38	<0.0025	<0.02
11/21/2000	0.021	<0.1	<0.02	0.077	<0.0025	<0.02
1/20/2001	<0.1	<0.1	<0.02	0.23	<0.0025	<0.02
3/14/2001	<0.1	<0.1	<0.02	0.24	<0.0025	<0.02
7/16/2001	<0.1	<0.1	<0.02	0.053	<0.0025	<0.02
11/1/2001	<0.1		<0.02	0.022	0.044	<0.02
11/2/2001		<0.1				
4/25/2002	<0.1					<0.02
4/26/2002		<0.1	<0.02	1.2 (O)	<0.0025	
11/21/2002		0.033	<0.02			<0.02
11/22/2002	<0.1			0.045	0.023	
6/6/2003	<0.1					<0.02
6/7/2003		<0.1	<0.02	0.042	<0.0025	
12/12/2003	<0.1	<0.1	0.013	<0.02	<0.0025	<0.02
5/27/2004	<0.1	<0.1	<0.02	<0.02	0.035	<0.02
12/8/2004	<0.1			<0.02		<0.02
12/9/2004		<0.1	0.028		0.018	
6/22/2005		<0.1	<0.02	<0.02	0.014	
6/23/2005	<0.1					<0.02
12/3/2005	0.012					0.011
12/4/2005			<0.02			
12/5/2005		0.032		<0.02	0.023	
4/4/2006						<0.02
6/28/2006			0.0028			
6/29/2006	<0.1	0.018		0.012	0.023	<0.02
8/30/2006						<0.02
12/3/2006		0.0044	0.0028	0.0067	0.046	
12/4/2006	<0.1					<0.02
2/15/2007						<0.02
6/23/2007	<0.1	0.0041	0.0063	0.025	0.036	<0.02
9/11/2007						<0.02
9/12/2007	0.0049					
9/13/2007		<0.1	0.0026	0.0044	0.033	
11/6/2007	<0.1					<0.02
11/7/2007				0.0036	0.012	
11/8/2007		<0.1	<0.02			
12/11/2007		0.0039	<0.02	0.0038	0.011	
12/12/2007	<0.1					<0.02
1/15/2008			<0.02	0.0077	0.019	
1/16/2008	<0.1	<0.1				<0.02
3/11/2008				0.0058	0.0092	<0.02
3/12/2008	0.003	<0.1				
3/13/2008			<0.02			
6/3/2008			0.0026	0.0048	0.028	
6/4/2008		<0.1				
6/5/2008	0.0025					<0.02
6/23/2008		<0.1	<0.02	0.0051	0.0091	
6/24/2008	<0.1					<0.02
7/29/2008		<0.1	0.0031			
7/30/2008				0.0034	0.0065	
7/31/2008	<0.1					<0.02
11/3/2008						<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
12/4/2008	<0.1	0.0039	<0.02	<0.02	0.0038	<0.02
3/25/2009						<0.02
7/8/2009	<0.1	<0.1	<0.02	<0.02	<0.0025	<0.02
9/14/2009						<0.02
12/20/2009	<0.1					<0.02
12/21/2009		0.004	<0.02	0.013	0.0032	
3/4/2010						<0.02
6/20/2010	<0.1	<0.1	<0.02	<0.02	<0.0025	<0.02
9/14/2010						<0.02
1/6/2011	<0.1		<0.02		0.004	
1/7/2011		0.0032		0.004		<0.02
4/15/2011						<0.02
7/7/2011	<0.1		<0.02	0.0028	0.0037	<0.02
7/8/2011		0.0025				
9/25/2011						<0.02
1/17/2012	<0.1		0.0043	0.0043	0.0031	<0.02
1/18/2012		0.0045				
4/4/2012						<0.02
7/9/2012	<0.1		<0.02	<0.02	0.003	<0.02
7/10/2012		<0.1				
10/9/2012						<0.02
1/17/2013	<0.1		0.0025	0.0033	<0.0025	
1/18/2013		0.0029				<0.02
4/5/2013						<0.02
7/16/2013			<0.02	0.0028	0.0029	
7/17/2013	<0.1	<0.1				<0.02
10/11/2013						<0.02
1/13/2014	0.0022 (J)		0.0025	0.0051	0.0042	
1/14/2014		0.012				0.0025
4/3/2014						0.0014 (J)
7/8/2014			0.0011 (J)	0.002 (J)	0.0018 (J)	
7/9/2014	0.00058 (J)	0.0016 (J)				0.00086 (J)
10/24/2014						0.00083 (J)
1/13/2015	0.0024 (J)		0.0021 (J)	0.0079	0.0028	
1/14/2015		0.0024 (J)				<0.02
5/10/2015						<0.02
7/16/2015	<0.1		<0.02	0.0026	0.0018 (J)	
7/17/2015		0.0031				<0.02
10/6/2015						<0.02
1/17/2016	<0.1					<0.02
1/18/2016		0.0059		0.0025	0.0017 (J)	
1/19/2016			0.0029			
4/26/2016						<0.02
7/26/2016			<0.02		0.0028 (J)	
7/27/2016	0.0018 (J)			0.0021 (J)		<0.02
7/28/2016		0.0019 (J)				
10/25/2016						<0.02
1/4/2017			<0.02	0.0025 (J)		
1/5/2017	<0.1				0.0021 (J)	<0.02
1/6/2017		0.0026 (J)				
4/4/2017	0.0015 (J)					<0.02
4/5/2017				0.0026 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
4/6/2017		0.0047 (J)	0.004 (J)		0.0027 (J)	
7/10/2017				0.0023 (J)		
7/11/2017			<0.02			<0.02
7/12/2017		0.003 (J)			0.0043 (J)	
7/13/2017	0.0014 (J)					
10/2/2017						0.0026 (J)
1/9/2018						0.0018 (J)
1/10/2018	<0.1				0.0021 (J)	
1/11/2018		0.0046 (J)	0.0018 (J)	0.0031 (J)		
7/9/2018						<0.02
7/10/2018	<0.1					
7/11/2018		0.0033 (J)	<0.02	0.0036 (J)	0.0039 (J)	
1/16/2019					0.047	<0.02
1/17/2019			<0.02	0.0032 (J)		
1/18/2019		0.0025 (J)				
1/21/2019	<0.1					
3/26/2019					0.03	<0.02
3/27/2019		0.0026 (J)	<0.02	0.0031 (J)		
7/30/2019	0.0067 (J)					
10/8/2019			0.0061 (J)		0.053	0.0052 (J)
10/9/2019	0.005 (J)	0.0054 (J)		0.0057 (J)		
4/7/2020			<0.02	<0.02		<0.02
4/8/2020	<0.1	<0.1			0.023	
9/28/2020					0.016	
9/29/2020	0.056		0.0031 (J)	0.0074 (J)		<0.02
10/1/2020		0.025				
3/10/2021		<0.1	<0.02	<0.02		
3/15/2021	<0.1				0.039	
3/16/2021						<0.02
9/21/2021			<0.02	<0.02	0.036	
9/22/2021	<0.1	<0.1				0.01
2/2/2022	<0.1	<0.1				<0.02
2/3/2022			<0.02	<0.02	0.037	
8/30/2022				0.0262		<0.02
8/31/2022			<0.02		0.0266	
9/1/2022	0.0125 (J)	0.0163 (J)				
2/1/2023		<0.1	<0.02	0.00334 (J)	0.025	
2/2/2023	<0.1					<0.02
8/29/2023	<0.1	<0.1			0.0194 (J)	
9/6/2023			0.00479 (J)	<0.02		<0.02
1/24/2024		<0.1	<0.02			
1/25/2024	<0.1			<0.02	0.0195 (J)	<0.02
8/21/2024	<0.1	0.0137 (J)	0.0392	0.00744 (J)	0.0168 (J)	<0.02
1/28/2025			<0.02			
1/29/2025	<0.1	<0.1		<0.02	0.0186 (J)	<0.02
7/29/2025			<0.02			
7/30/2025	<0.1	<0.1		<0.02	0.0151 (J)	<0.02
1/27/2026			<0.02			
1/28/2026	<0.1	<0.1		<0.02	0.0185 (J)	<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
9/29/2000	<0.02	<0.02	<0.01			
11/21/2000	<0.02	<0.02	<0.01			
1/20/2001	<0.02	<0.02	<0.01			
3/14/2001	<0.02	<0.02	<0.01			
7/16/2001	<0.02	<0.02	<0.01			
11/1/2001	<0.02	<0.02	<0.01			
4/25/2002	<0.02	<0.02	<0.01			
11/21/2002	<0.02	<0.02	0.014			
6/6/2003	<0.02	0.035	0.012			
12/12/2003	<0.02	<0.02	<0.01			
5/26/2004	<0.02	<0.02				
5/27/2004			<0.01			
12/8/2004	<0.02	<0.02	<0.01			
6/21/2005		<0.02				
6/23/2005	<0.02		<0.01			
12/3/2005	0.064 (O)					
12/4/2005		<0.02				
12/5/2005			<0.01			
4/4/2006		<0.02				
6/29/2006	0.011	0.077 (O)	0.0046			
8/30/2006		0.0027				
12/4/2006	0.0033	<0.02	0.0071			
2/15/2007		0.0032				
6/23/2007	0.0029	0.0058	0.005			
9/11/2007		0.0033				
9/12/2007	0.0028		0.0051			
11/6/2007	<0.02	<0.02	0.003			
12/12/2007	<0.02	<0.02	0.0033			
1/16/2008	<0.02	<0.02	0.0027			
3/11/2008		<0.02				
3/12/2008	<0.02					
3/13/2008			0.0056			
6/4/2008			0.0036			
6/5/2008	<0.02	0.003				
6/24/2008	<0.02	<0.02	0.0037			
7/31/2008	<0.02	<0.02	0.0037			
11/3/2008		0.0025				
12/5/2008	<0.02	<0.02	0.0027			
3/25/2009		0.0025				
7/8/2009	<0.02	<0.02	0.0048			
9/14/2009		<0.02				
12/20/2009	<0.02	<0.02				
12/21/2009			0.0032			
3/4/2010		<0.02				
6/20/2010	<0.02					
6/21/2010		<0.02	0.0028	<0.02	0.04	<0.02
9/14/2010		<0.02				
1/7/2011	<0.02	<0.02	0.003	<0.02	<0.02	0.019
4/15/2011		<0.02				
7/7/2011	<0.02	<0.02				
7/8/2011			0.0034	0.086	0.0044	0.1 (O)
9/25/2011		0.0028				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2012	<0.02					
1/18/2012		0.0029	0.0049	<0.02	<0.02	0.0051
4/4/2012		<0.02				
7/9/2012	<0.02					
7/10/2012		<0.02	0.0039	<0.02	<0.02	0.01
10/9/2012		0.0027				
1/18/2013	<0.02	<0.02	0.0043	0.0032	<0.02	0.0036
4/5/2013		<0.02				
7/17/2013	<0.02	<0.02	0.0035	<0.02	<0.02	0.0025
10/11/2013		<0.02				
1/13/2014	0.0031					
1/14/2014		0.016	0.0066	0.0018 (J)	0.0022 (J)	0.0037
4/3/2014		0.0015 (J)				
7/9/2014	<0.02	0.0012 (J)	0.0033		0.00084 (J)	
7/10/2014				<0.02		0.024
10/24/2014		0.0013 (J)				
1/12/2015				<0.02		
1/13/2015	<0.02					
1/14/2015		0.0017 (J)	0.0067		0.0018 (J)	0.0016 (J)
5/11/2015		0.0015 (J)				
7/16/2015	<0.02	<0.02				
7/17/2015					<0.02	
7/18/2015			<0.01	<0.02		0.014
10/6/2015		<0.02				
1/17/2016	<0.02	<0.02		<0.02	<0.02	
1/18/2016			0.012			<0.02
4/26/2016		<0.02				
7/27/2016	<0.02					
7/28/2016		<0.02		<0.02	<0.02	
7/29/2016			0.0086 (J)			0.0129
10/25/2016	<0.02	<0.02		<0.02		
1/4/2017		0.0025 (J)		<0.02	<0.02	0.006 (J)
1/5/2017	<0.02		0.016			
4/3/2017	<0.02					
4/4/2017				<0.02	0.0015 (J)	
4/5/2017		0.0025 (J)	0.0175			
4/6/2017						0.0031 (J)
7/11/2017	<0.02			<0.02		0.0029 (J)
7/12/2017		0.002 (J)				
7/13/2017			0.0126		0.002 (J)	
10/2/2017	<0.02			<0.02		
10/3/2017		<0.02				
1/9/2018	<0.02				0.0016 (J)	
1/10/2018		0.0016 (J)		0.0034 (J)		
1/11/2018			0.012			0.0106
7/9/2018				<0.02		
7/10/2018	<0.02	0.0031 (J)			<0.02	
7/11/2018			0.011			0.0057 (J)
1/16/2019			0.0094 (J)			
1/17/2019	<0.02	<0.02			<0.02	
1/18/2019						0.0024 (J)
1/21/2019				<0.02		

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
3/25/2019				<0.02		
3/26/2019	<0.02	<0.02	0.0057 (J)		<0.02	
3/27/2019						<0.02
10/8/2019	0.0051 (J)	0.01			0.0071 (J)	
10/9/2019			0.011	0.0049 (J)		0.0079 (J)
4/7/2020	<0.02	<0.02			<0.02	<0.02
4/8/2020			<0.01	<0.02		
9/30/2020	0.032	0.0051 (J)	0.0043 (J)	0.031	0.0096 (J)	<0.02
3/10/2021						<0.02
3/11/2021			0.0056 (J)			
3/12/2021	<0.02			<0.02		
3/16/2021		<0.02			<0.02	
9/21/2021						<0.02
9/22/2021		<0.02	<0.01	<0.02	<0.02	
9/23/2021	<0.02					
2/1/2022		<0.02	0.011	<0.02	<0.02	
2/3/2022	<0.02					<0.02
8/30/2022				0.0171 (J)	0.00814 (J)	
8/31/2022	0.00395 (J)		0.0068 (J)			<0.02
9/1/2022		0.0119 (J)				
2/1/2023		<0.02	0.00583 (J)	<0.02		
2/2/2023	<0.02				<0.02	<0.02
8/29/2023			0.00535 (J)			0.0054 (J)
9/6/2023		<0.02		<0.02	<0.02	
9/7/2023	<0.02					
1/23/2024						<0.02
1/24/2024	<0.02		0.00654 (J)	<0.02		
1/25/2024		<0.02			<0.02	
8/21/2024	<0.02	<0.02	0.0066 (J)	<0.02		0.0141 (J)
8/22/2024					<0.02	
1/28/2025			0.00759 (J)			<0.02
1/29/2025	<0.02	<0.02		0.00569 (J)	<0.02	
7/29/2025			0.0063 (J)	<0.02		0.0173 (J)
7/30/2025	<0.02	<0.02			<0.02	
1/27/2026	<0.02			<0.02		
1/28/2026		<0.02	0.0117 (J)		<0.02	<0.02

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2026 11:23 AM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

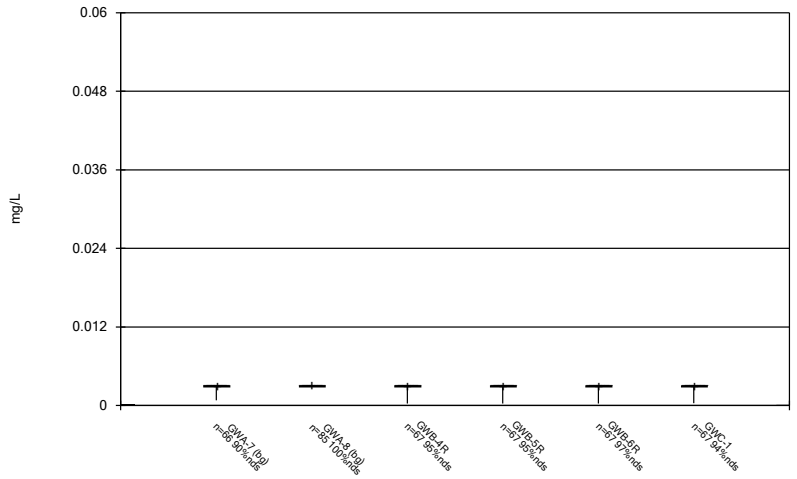
	MW-23D	MW-24D	MW-25D	MW-26D
3/11/2021	0.0067 (J)	0.0025 (J)	0.0054 (J)	0.008 (J)
9/21/2021				<0.01
9/22/2021	<0.02	<0.02		
9/23/2021			<0.02	
2/1/2022		<0.02		
2/2/2022				<0.01
2/3/2022	<0.02		0.051	
8/31/2022	0.0106 (J)		0.0161 (J)	
9/1/2022		0.0102 (J)		
2/1/2023	0.0121 (J)			
2/2/2023		<0.02	<0.02	
9/6/2023	<0.02	<0.02		
9/7/2023			<0.02	
1/24/2024	<0.02			
1/25/2024		<0.02	0.00738 (J)	0.0401
8/20/2024				0.0261
8/21/2024	<0.02	<0.02	<0.02	
1/28/2025				0.0169 (J)
1/29/2025	0.00452 (J)	<0.02	<0.02	
7/29/2025	0.00389 (J)			0.0166 (J)
7/30/2025		<0.02	0.0132 (J)	
1/27/2026			0.00556 (J)	
1/28/2026	0.0175 (J)	<0.02		0.00644 (J)

ND substitution: RL or RL/2 if <15% NDs.

FIGURE B.

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Box & Whiskers Plot

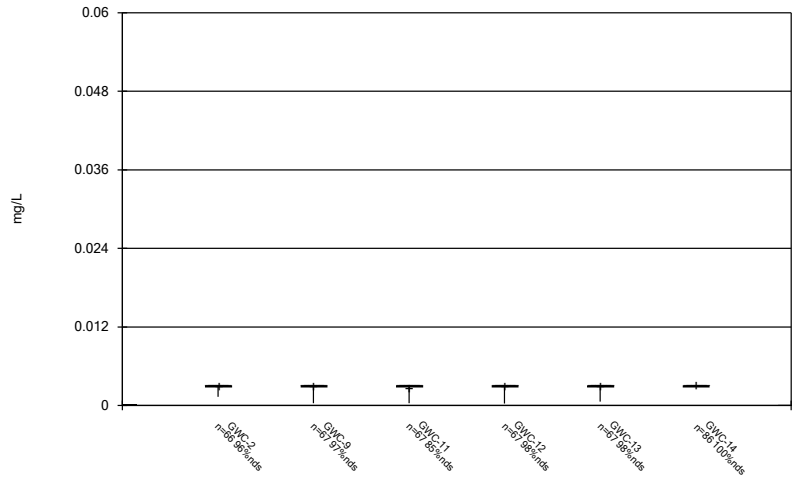


Constituent: Antimony Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

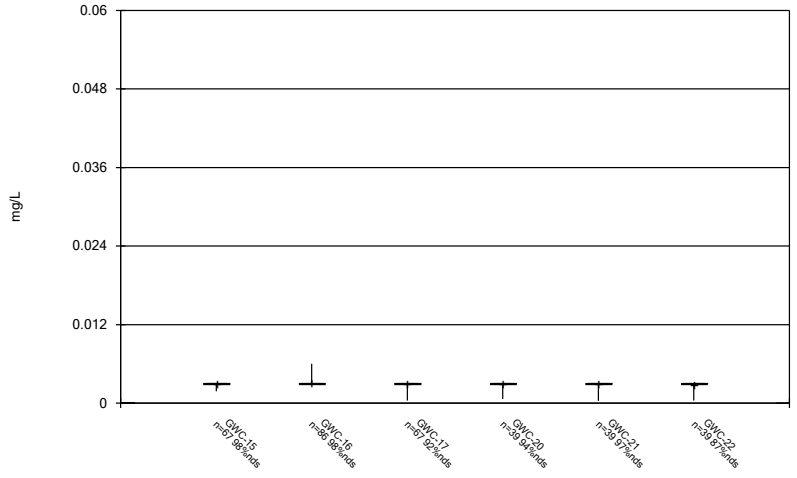


Constituent: Antimony Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

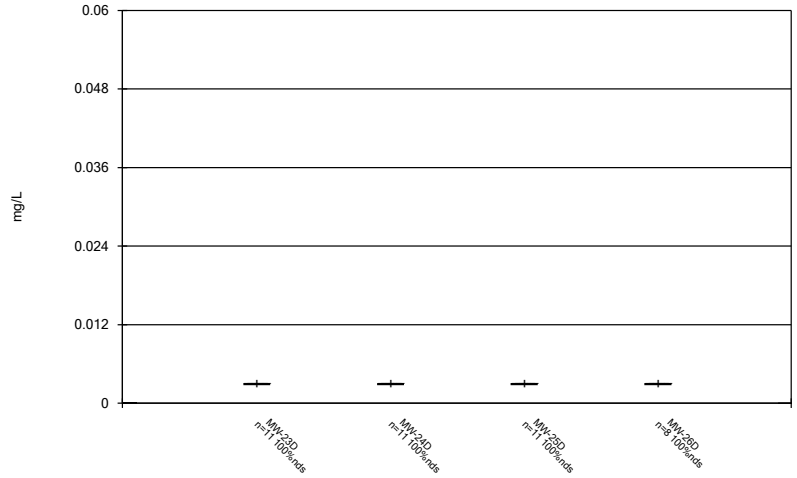


Constituent: Antimony Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

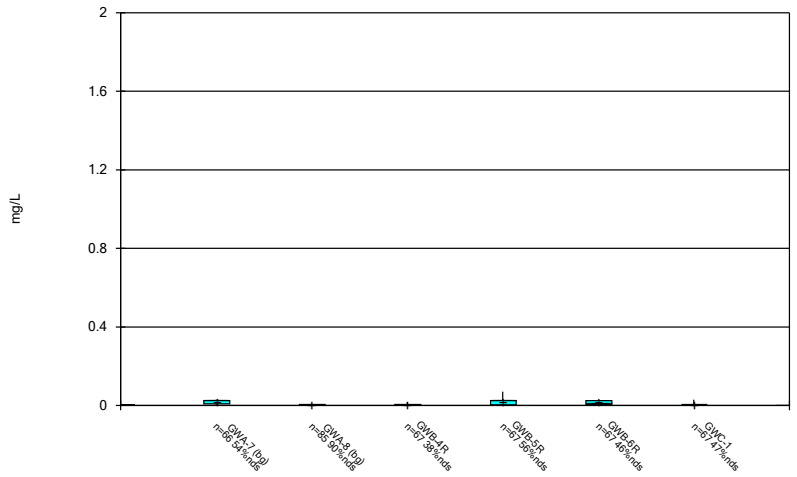


Constituent: Antimony Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

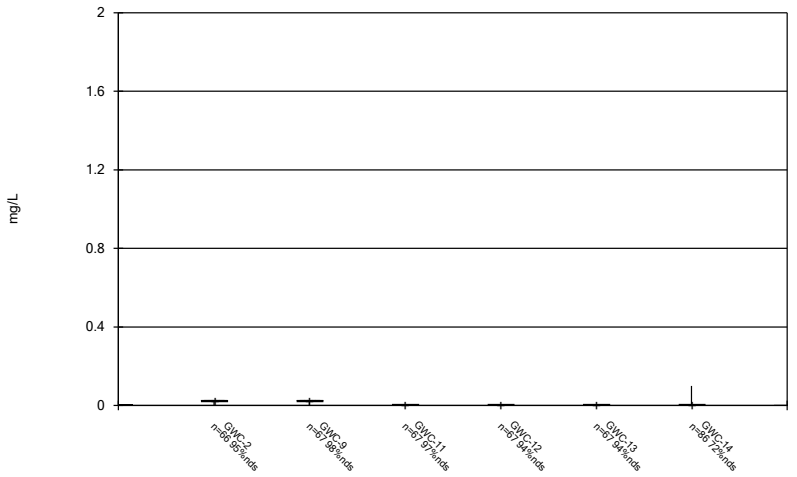


Constituent: Arsenic Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

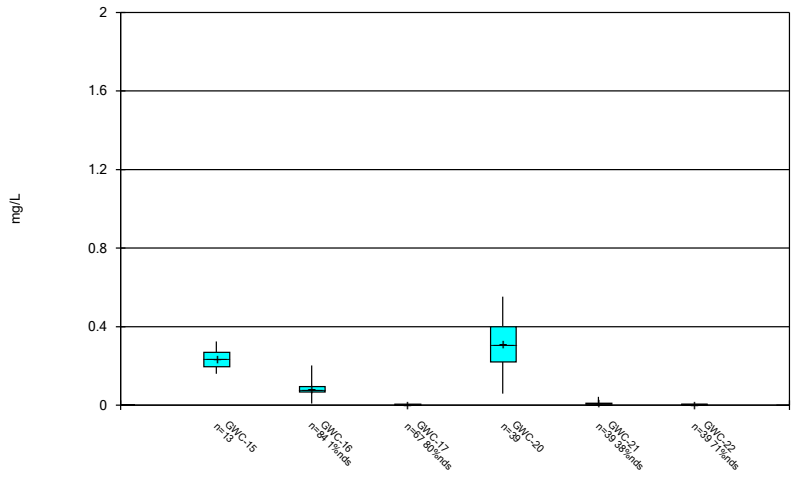


Constituent: Arsenic Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

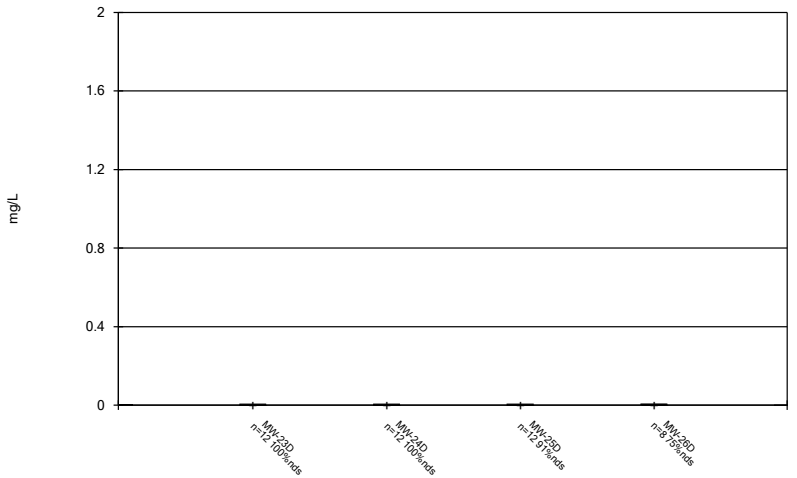


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

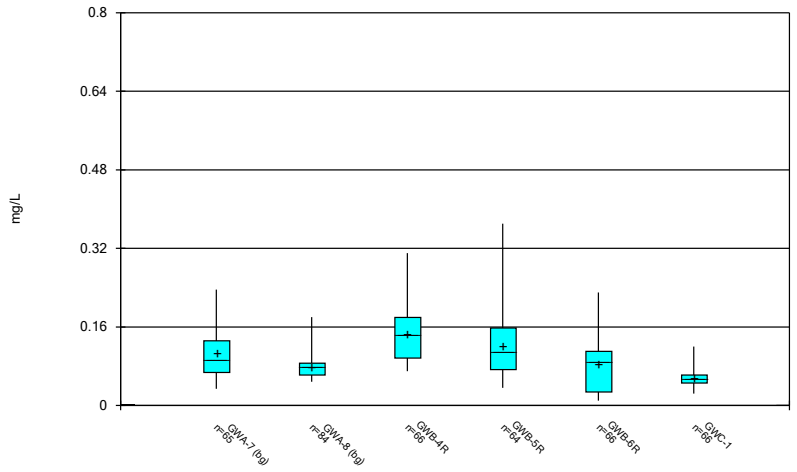


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

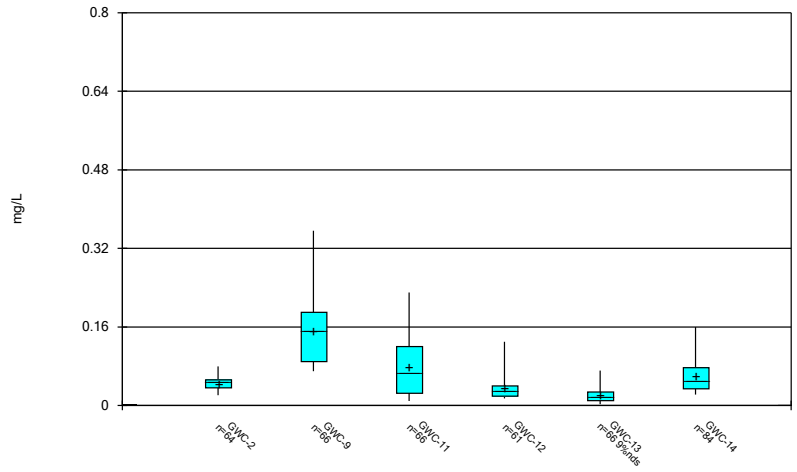


Constituent: Barium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

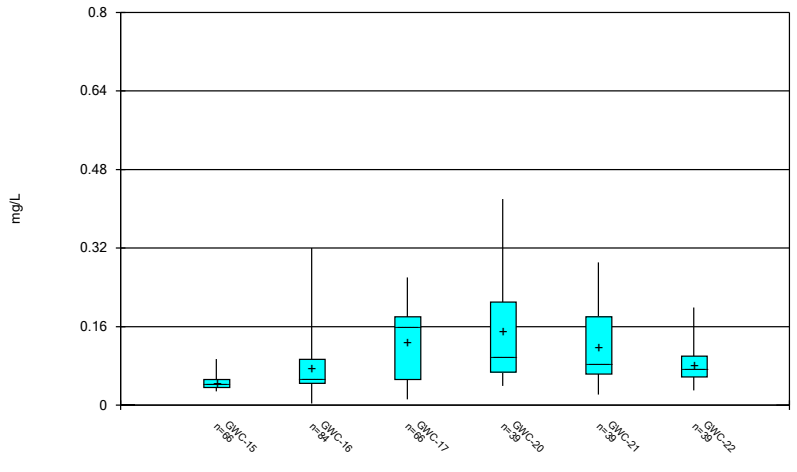


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

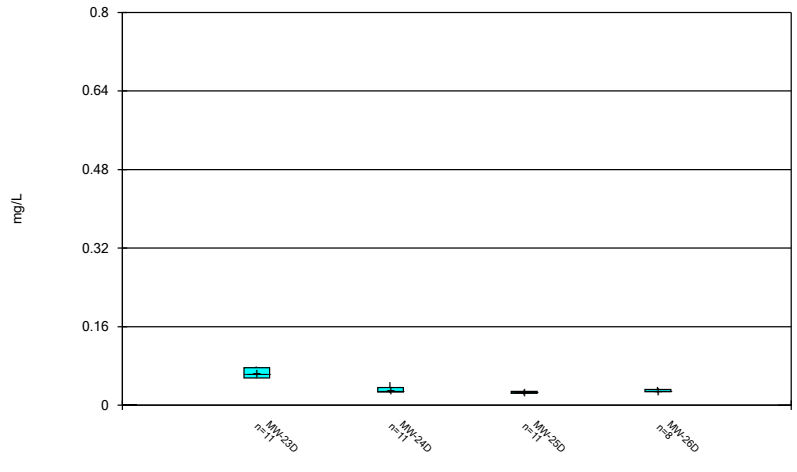


Constituent: Barium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

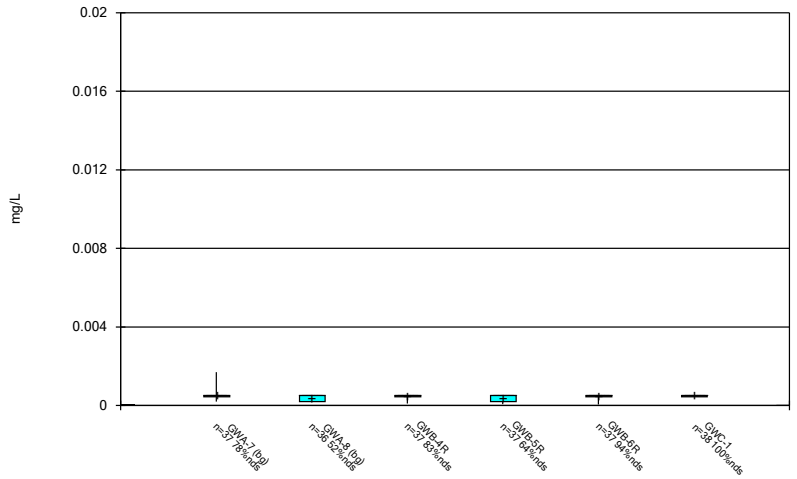


Constituent: Barium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

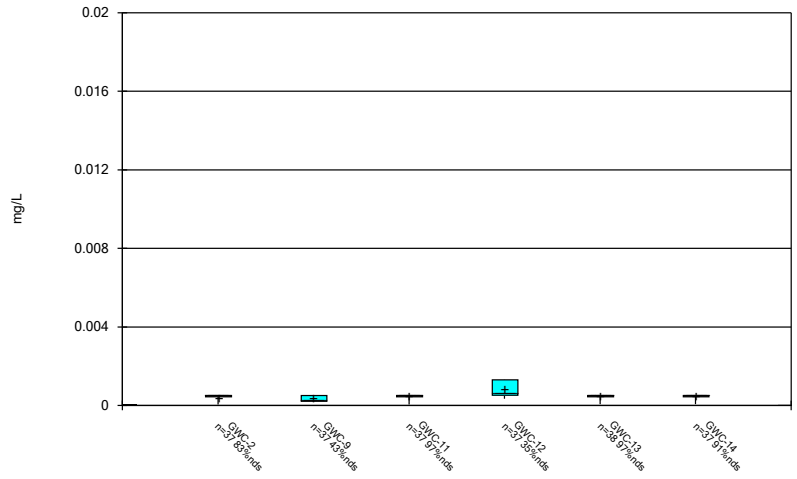


Constituent: Beryllium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

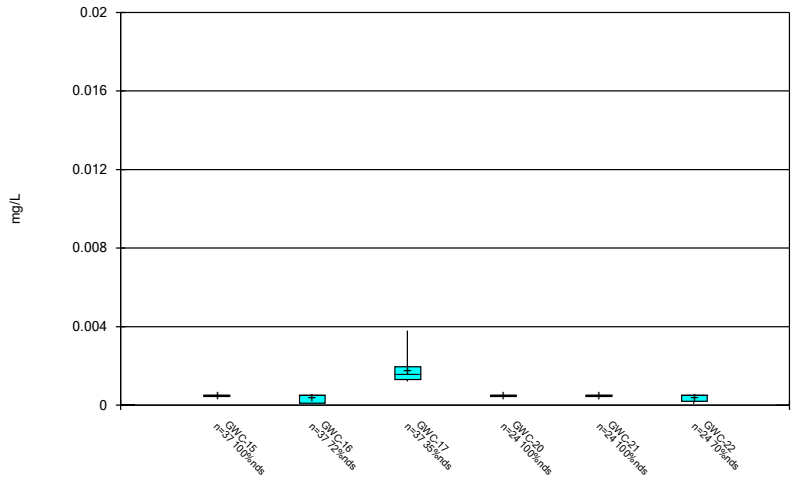


Constituent: Beryllium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

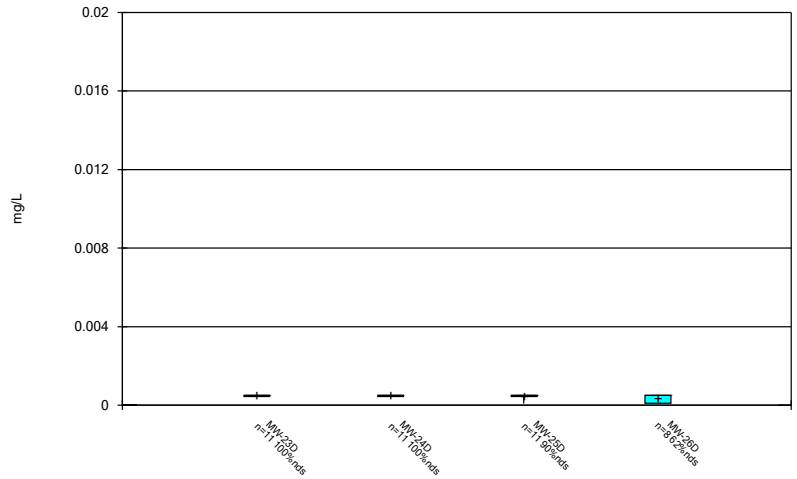


Constituent: Beryllium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

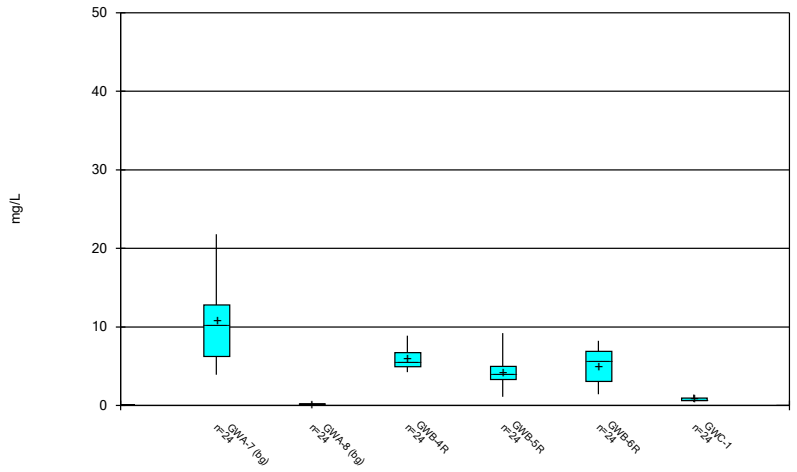


Constituent: Beryllium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

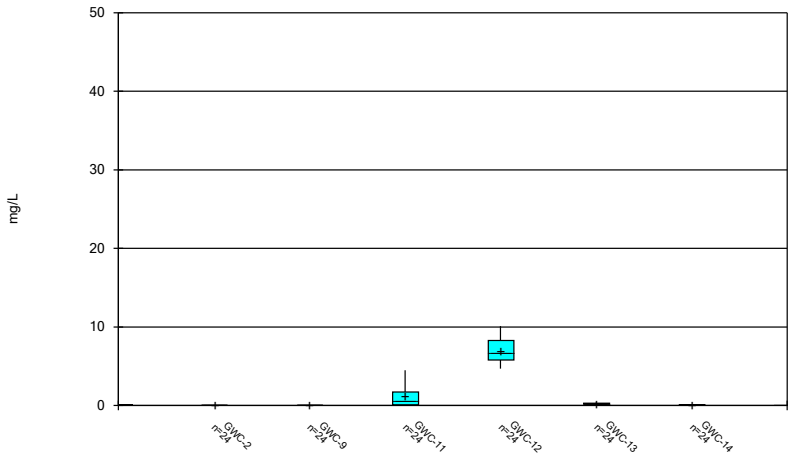


Constituent: Boron Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

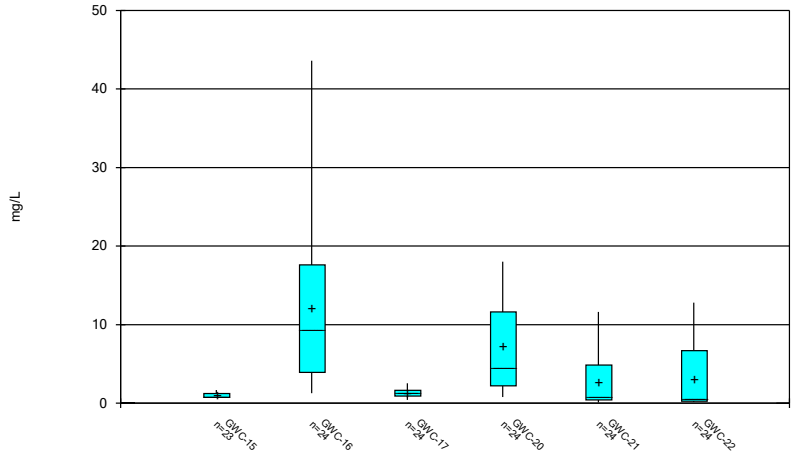


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

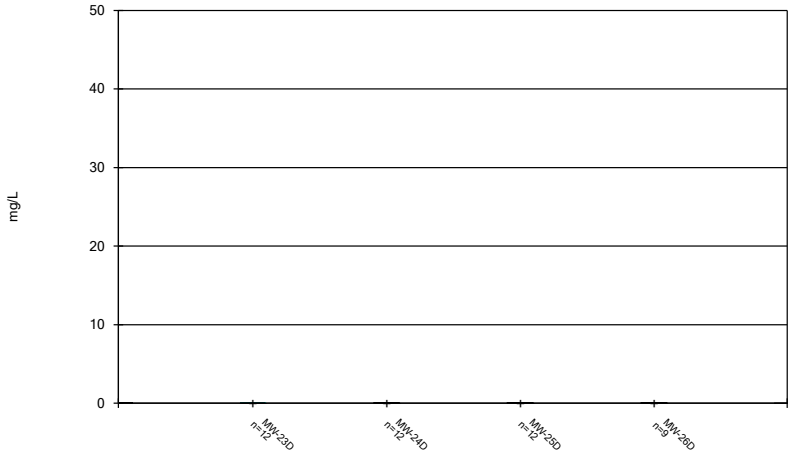


Constituent: Boron Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

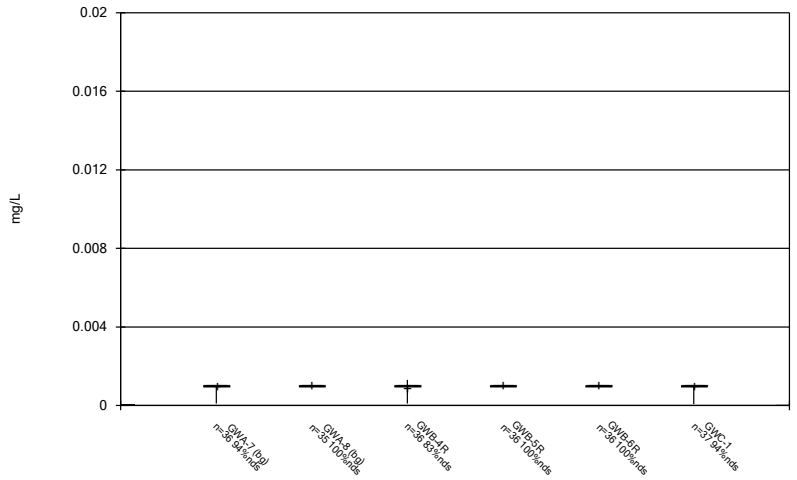


Constituent: Boron Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

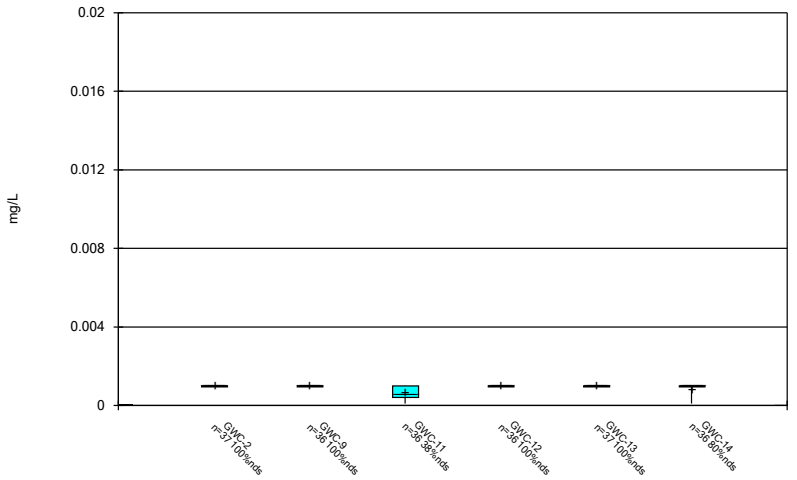


Constituent: Cadmium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

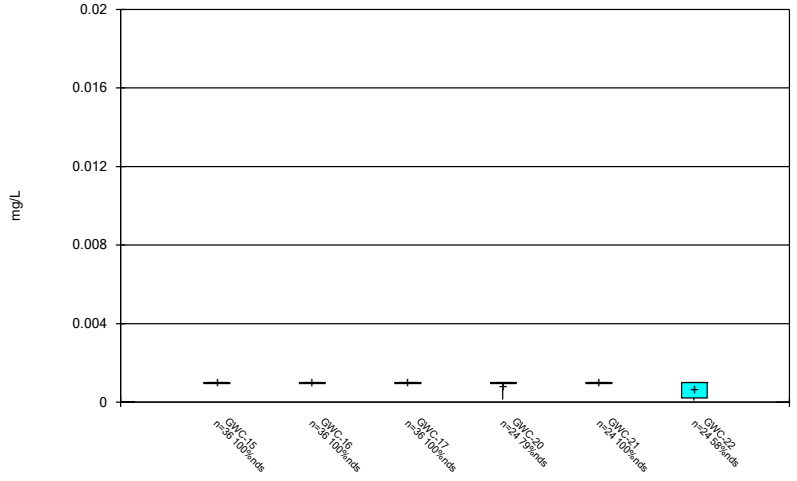


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

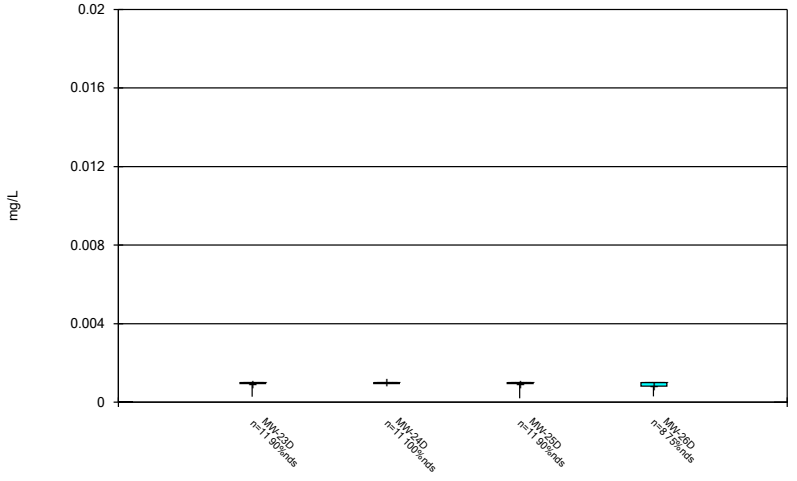


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

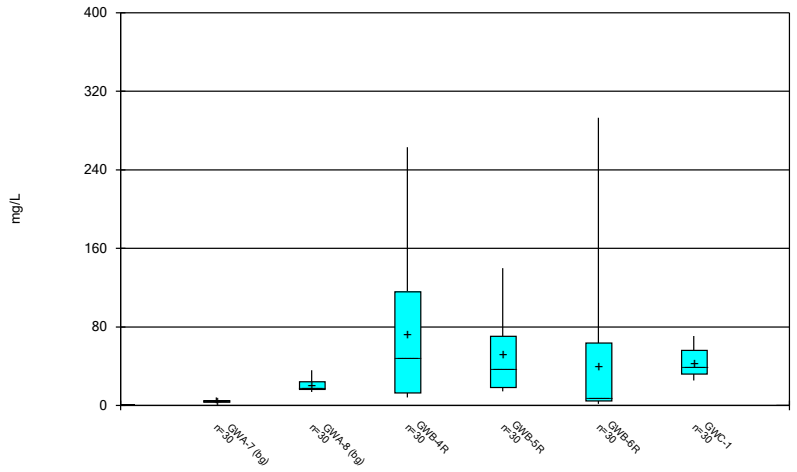


Constituent: Cadmium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

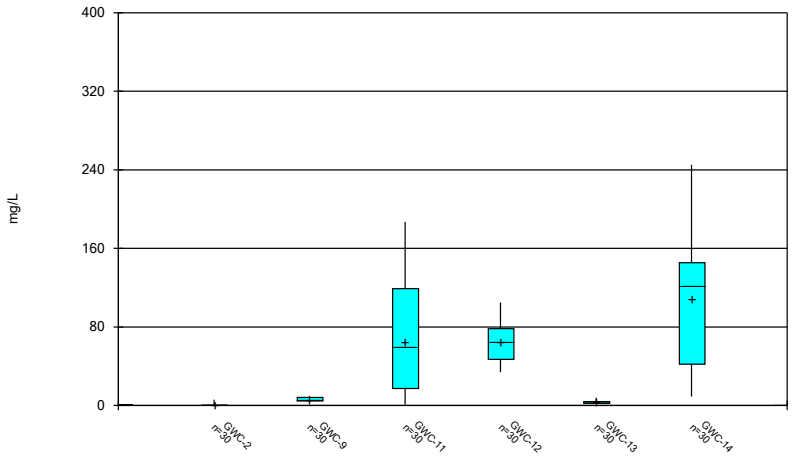


Constituent: Calcium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

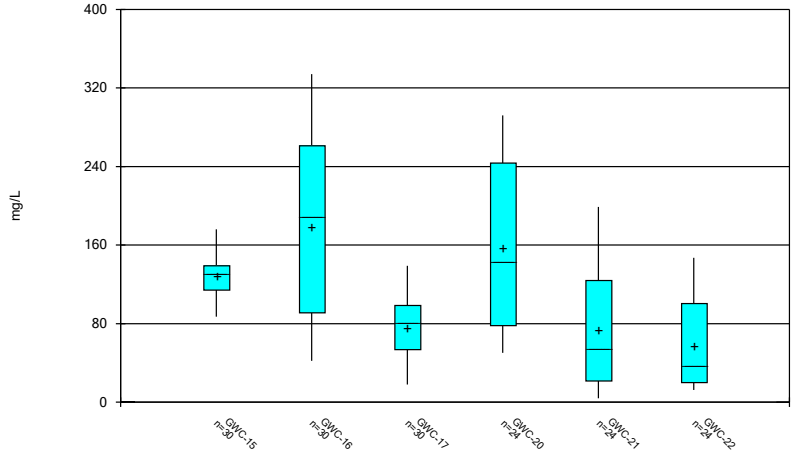


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

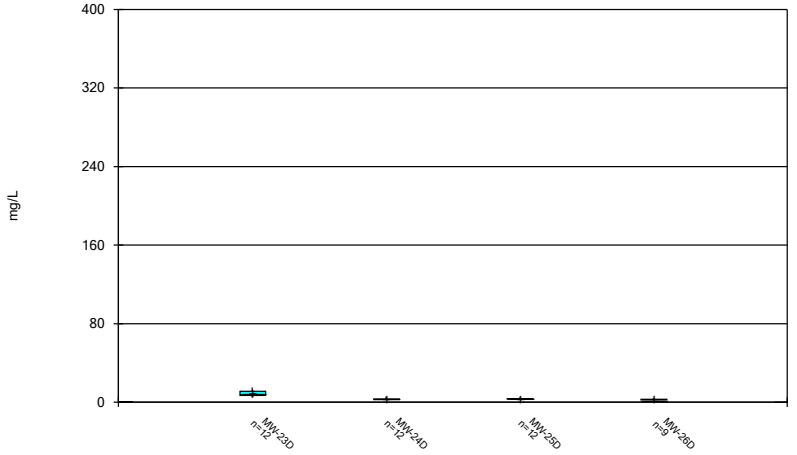


Constituent: Calcium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

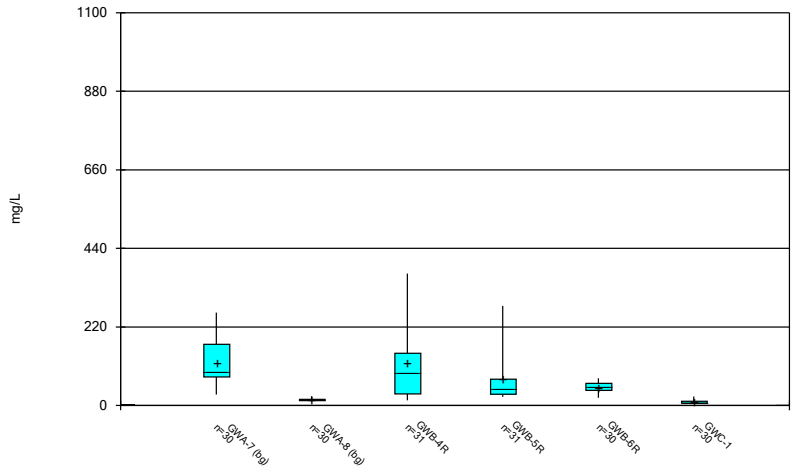


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

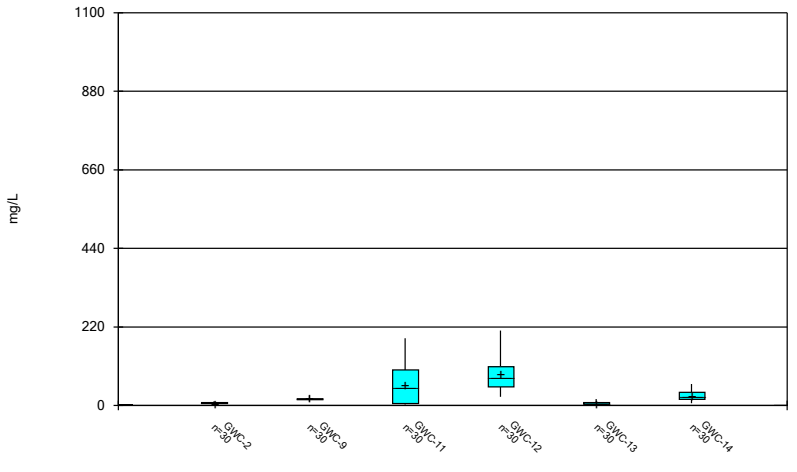


Constituent: Chloride Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

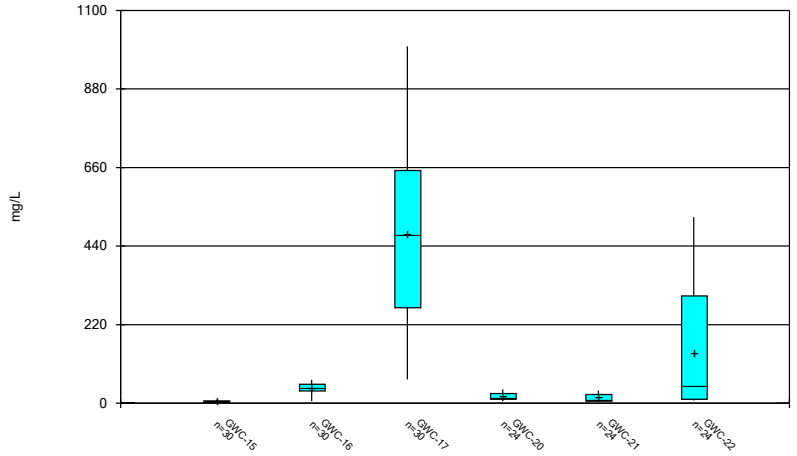


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

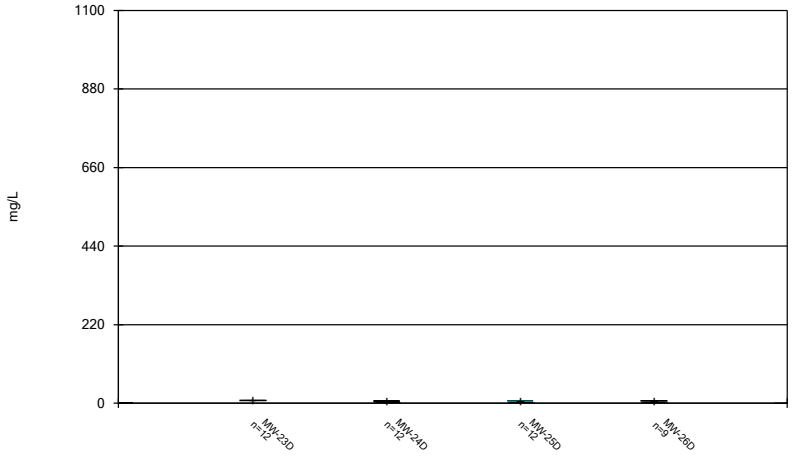


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

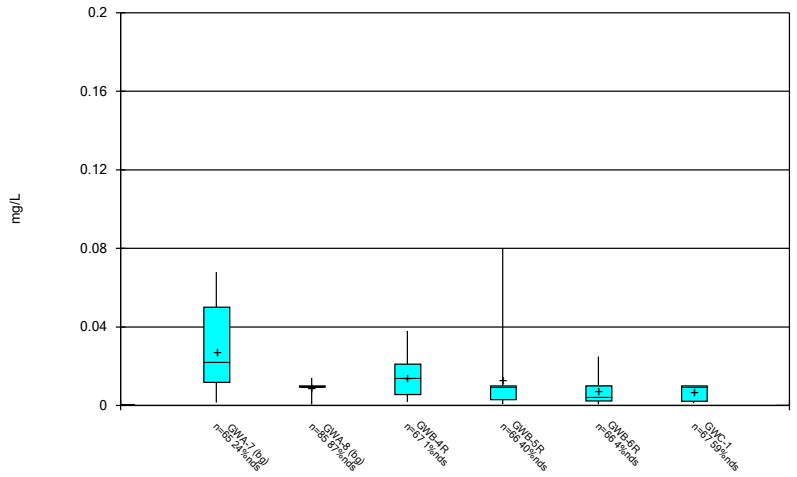


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

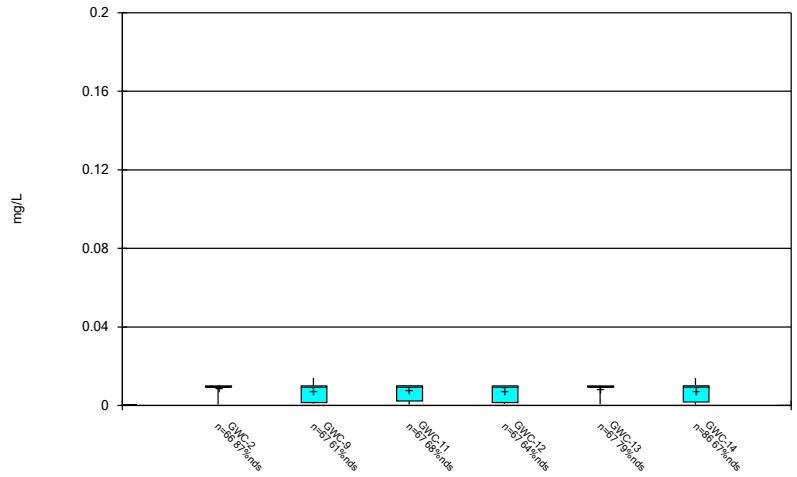


Constituent: Chromium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

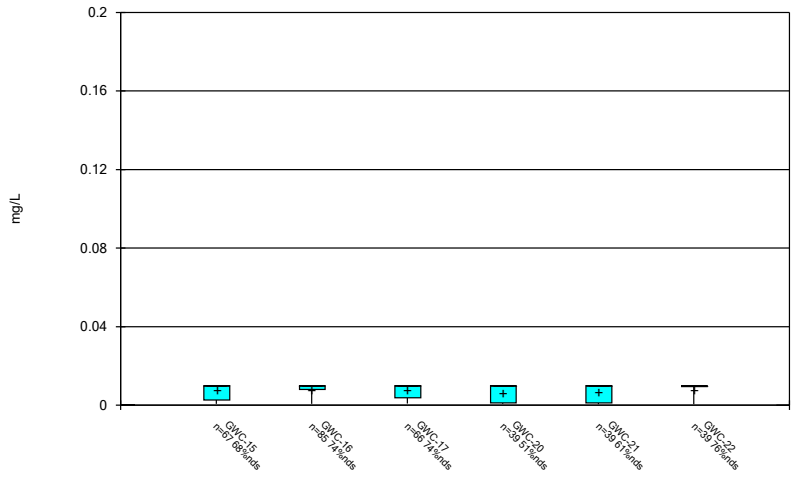


Constituent: Chromium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

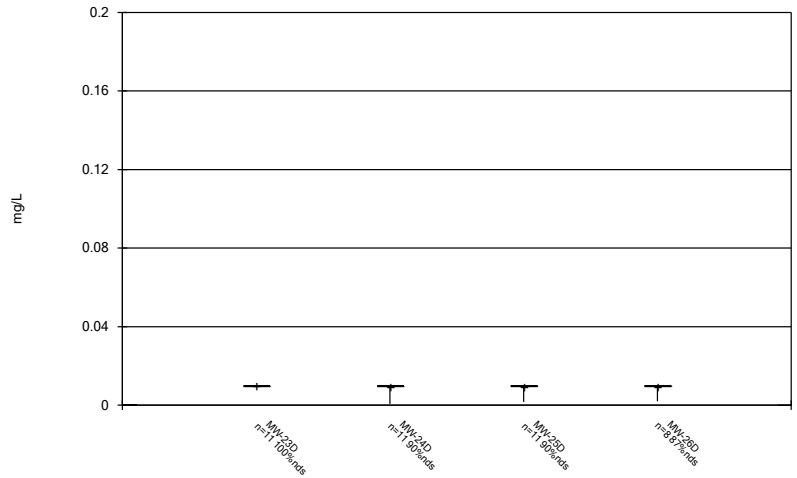


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

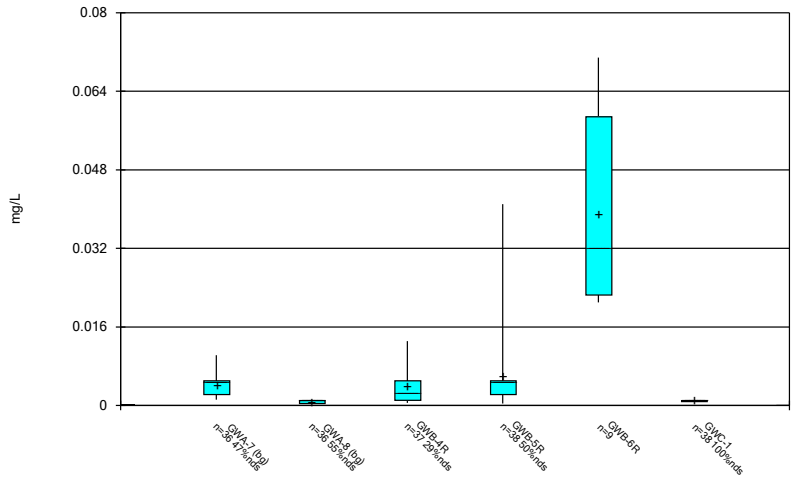


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

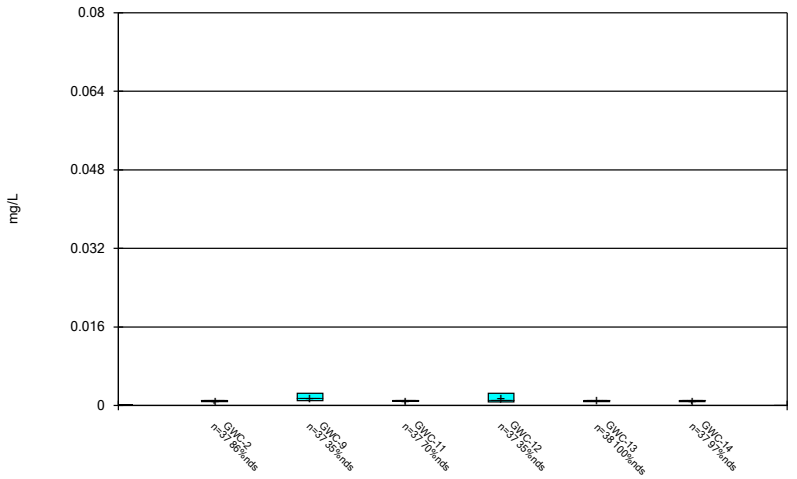


Constituent: Cobalt Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

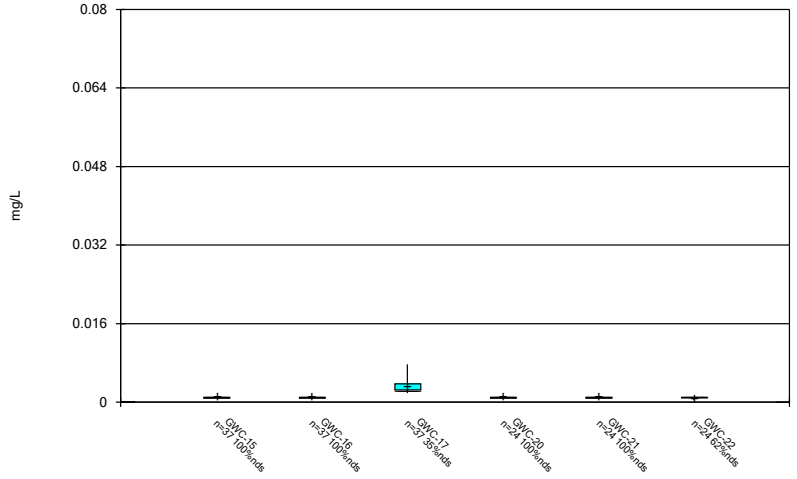


Constituent: Cobalt Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

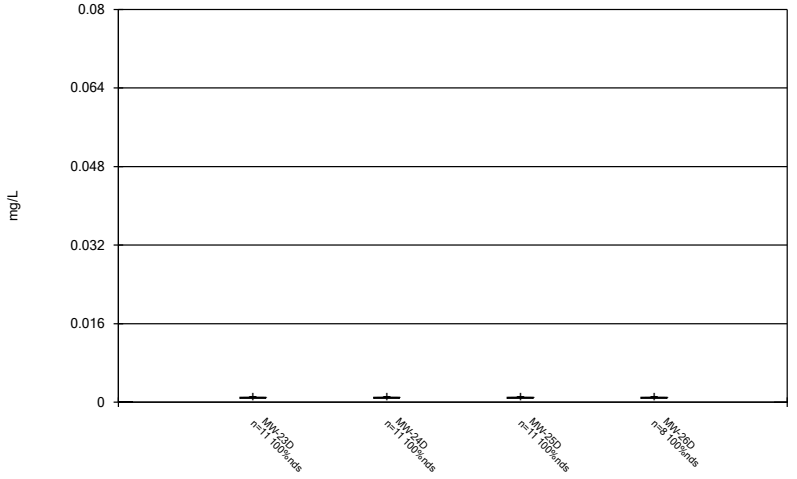


Constituent: Cobalt Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

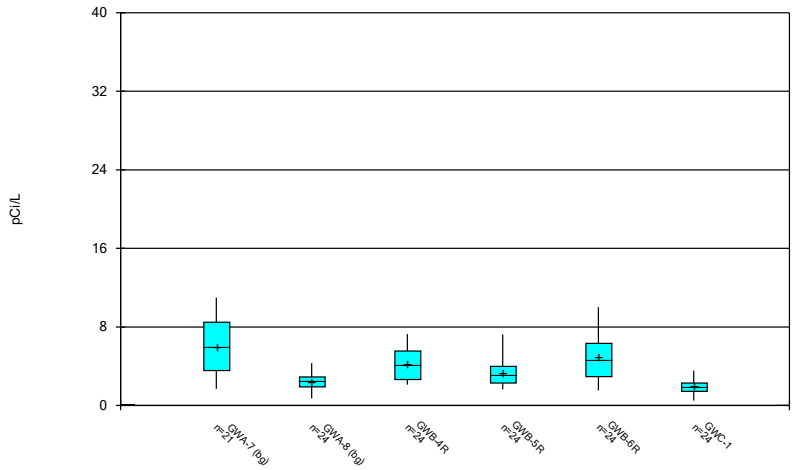


Constituent: Cobalt Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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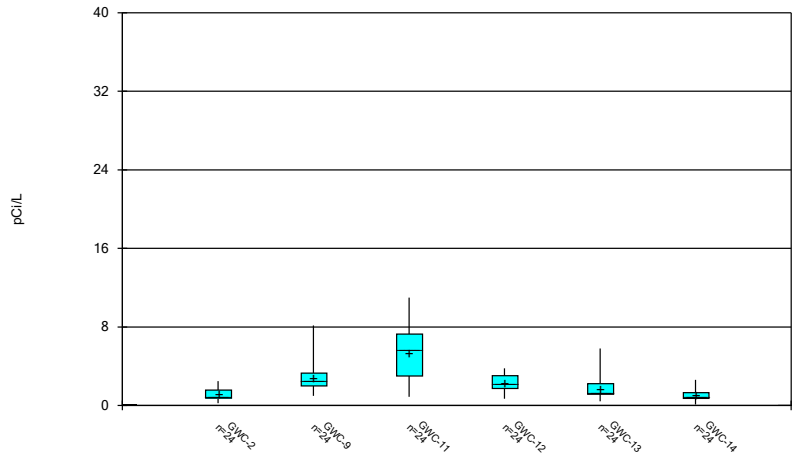
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 2:51 PM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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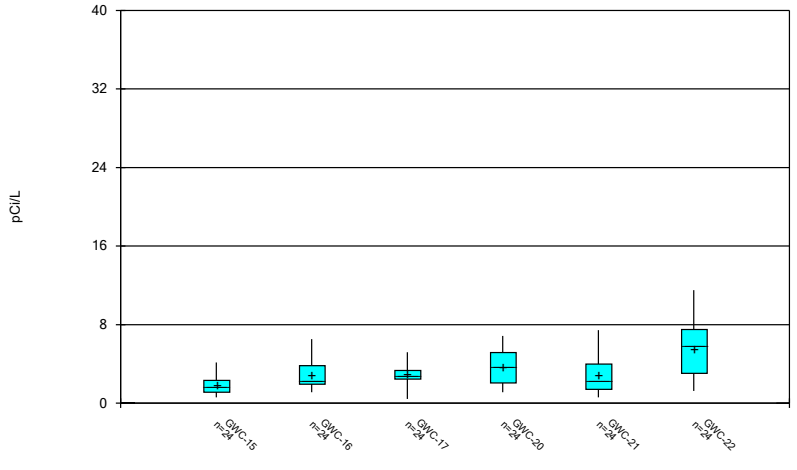
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 2:51 PM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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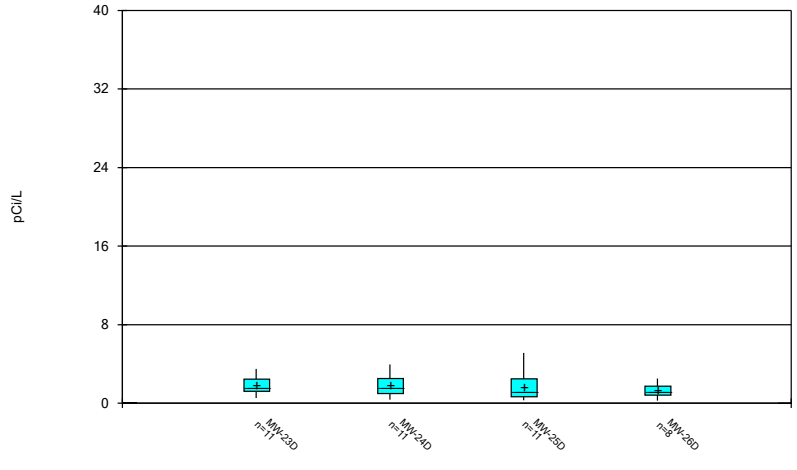
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 2:51 PM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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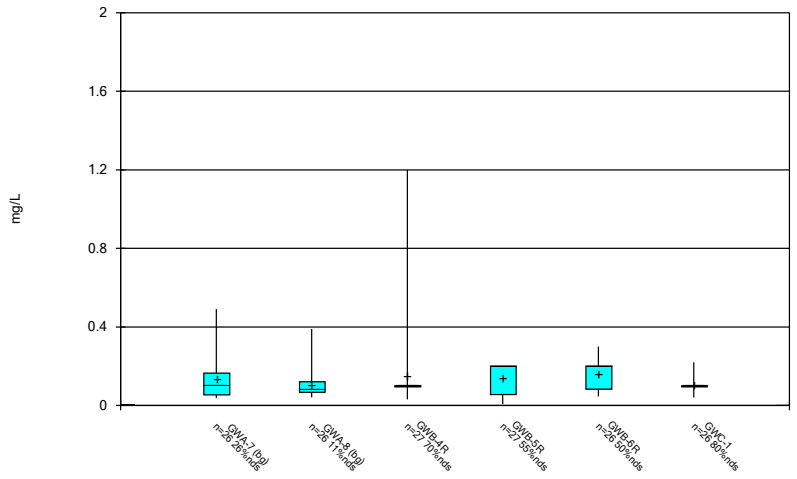
Box & Whiskers Plot



Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 2:51 PM
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

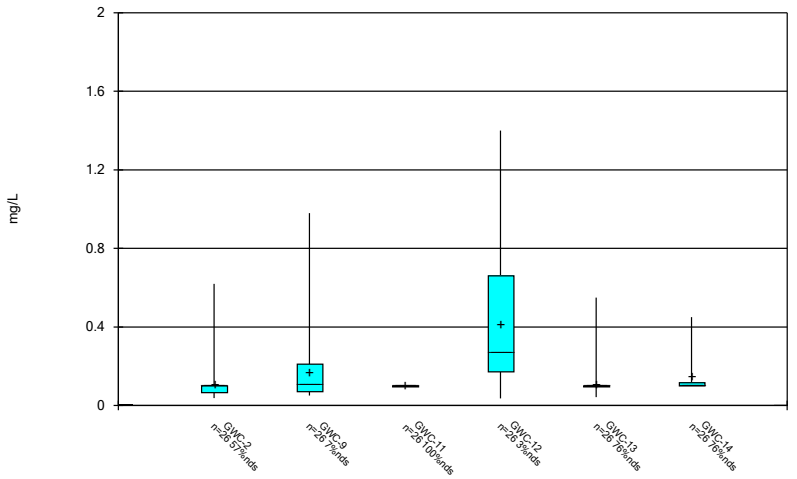


Constituent: Fluoride Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

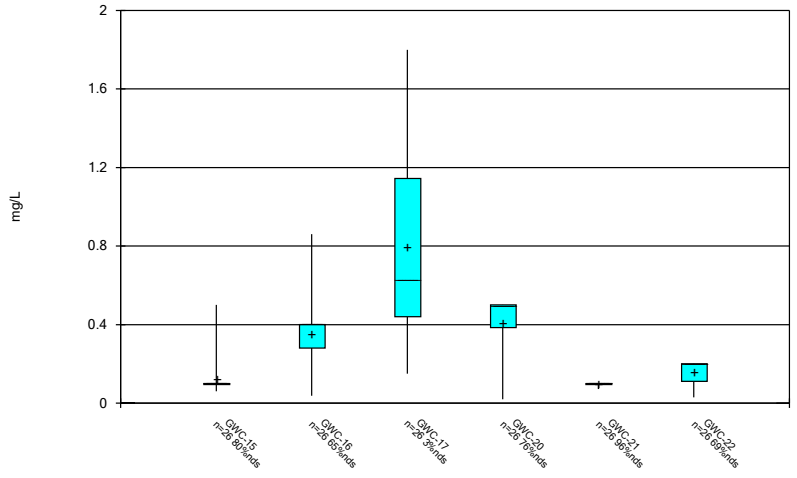


Constituent: Fluoride Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

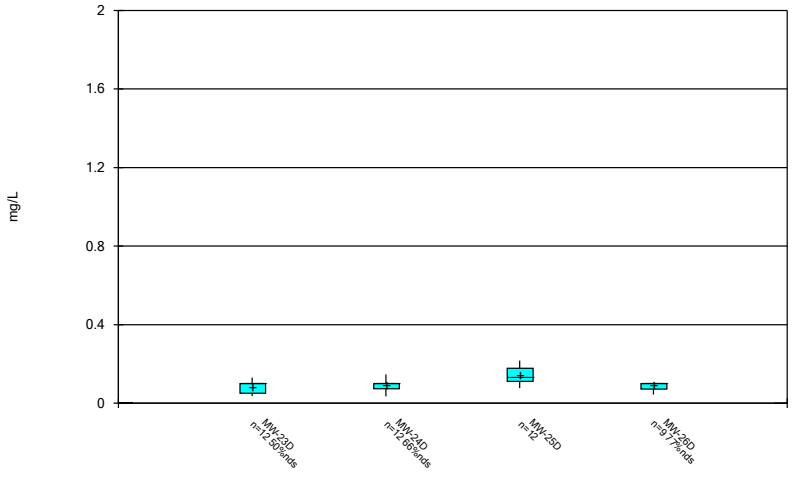


Constituent: Fluoride Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

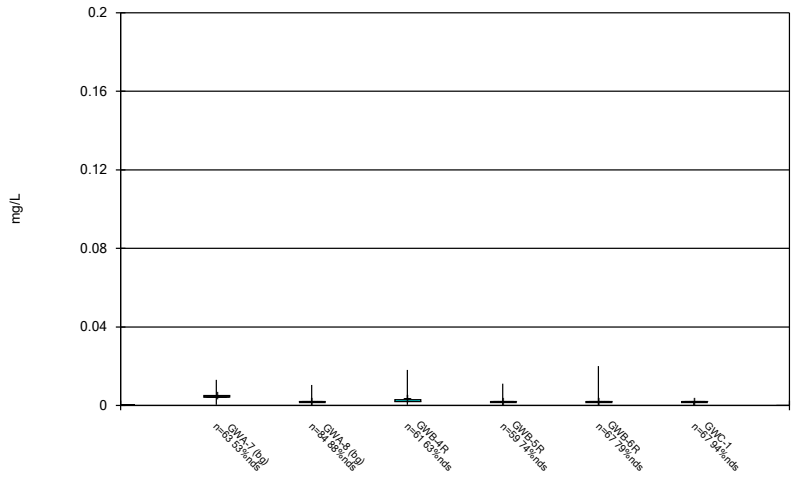


Constituent: Fluoride Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

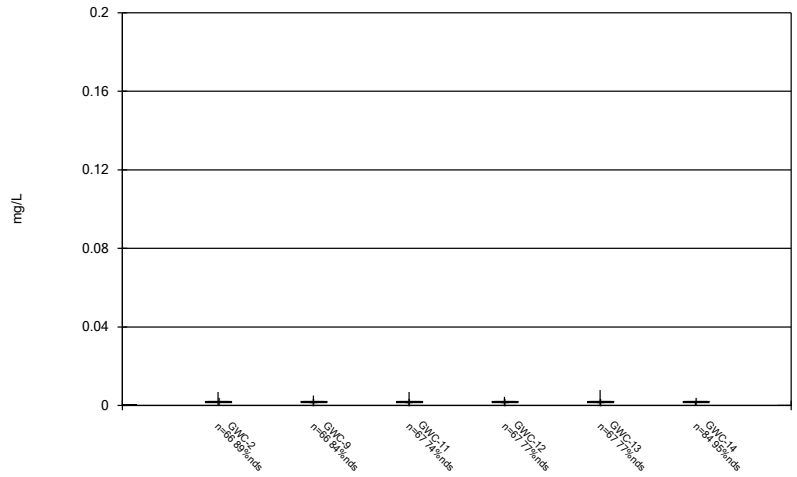


Constituent: Lead Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

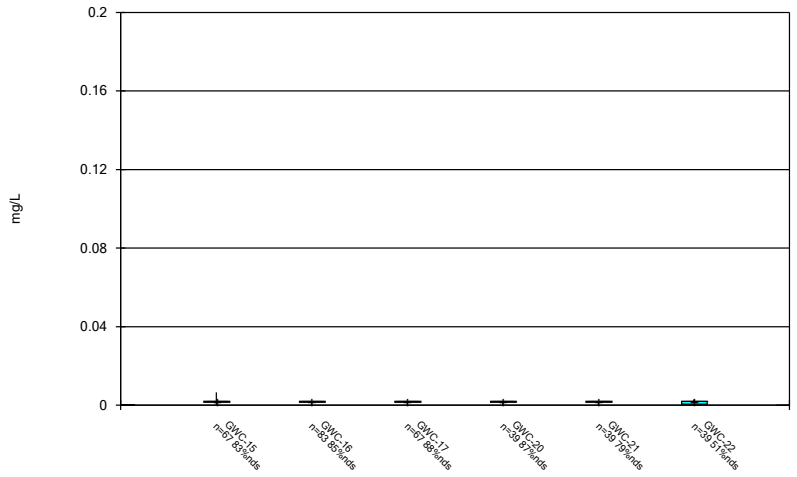


Constituent: Lead Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

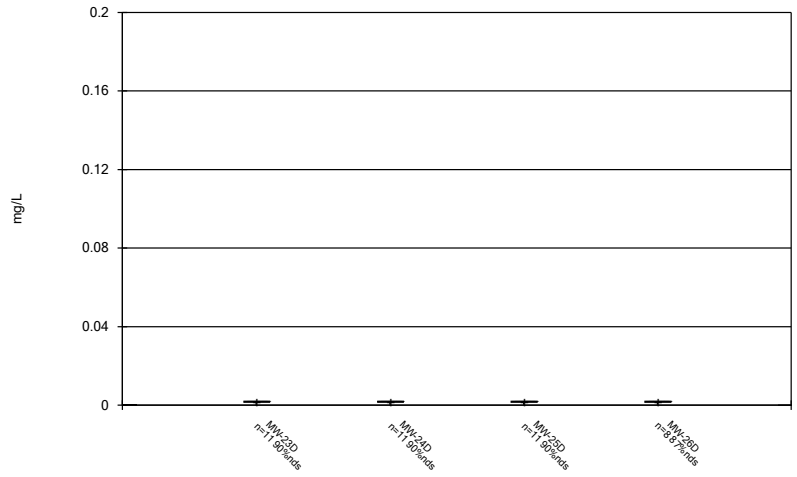


Constituent: Lead Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

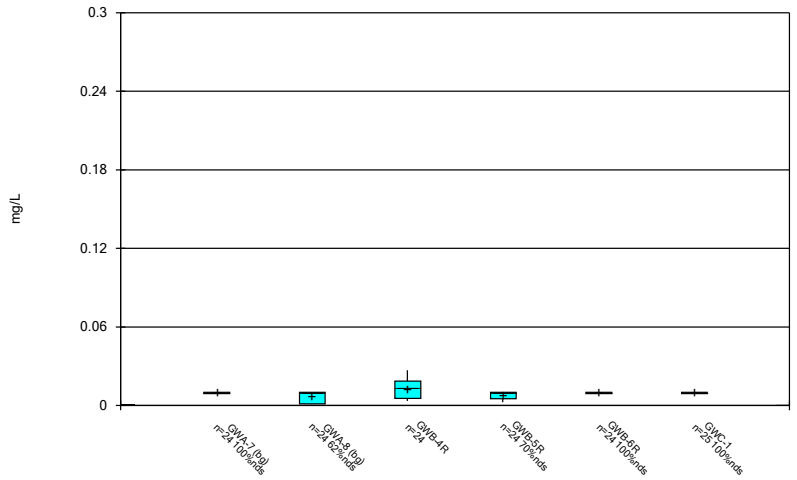


Constituent: Lead Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

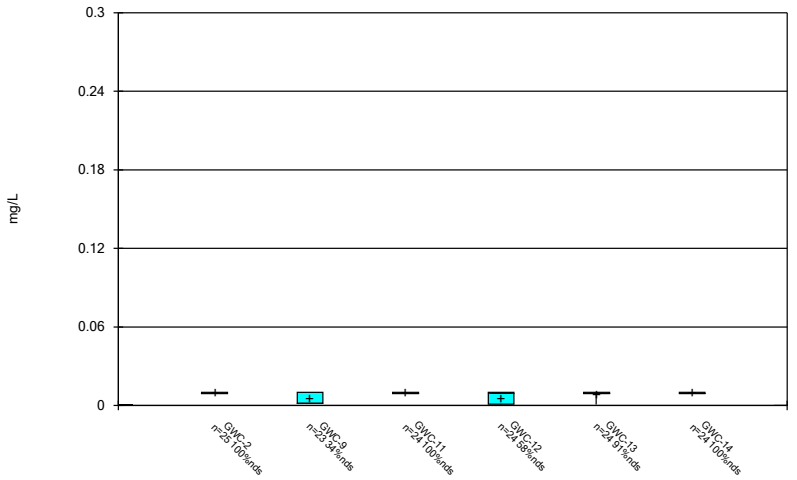


Constituent: Lithium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

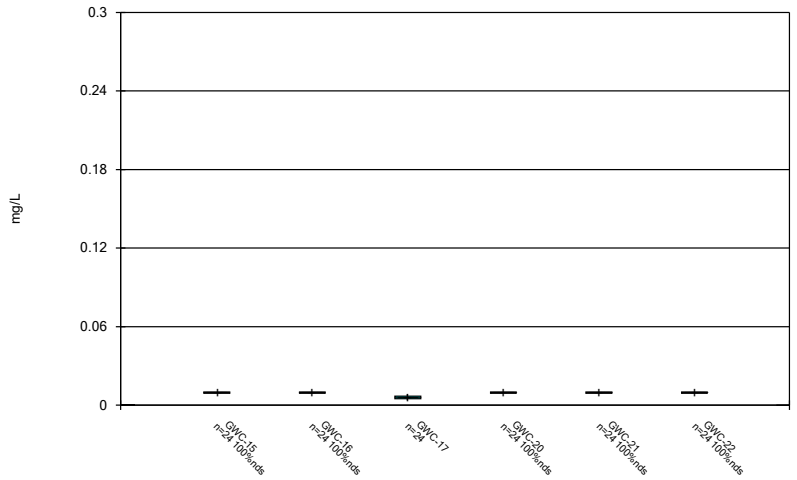


Constituent: Lithium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

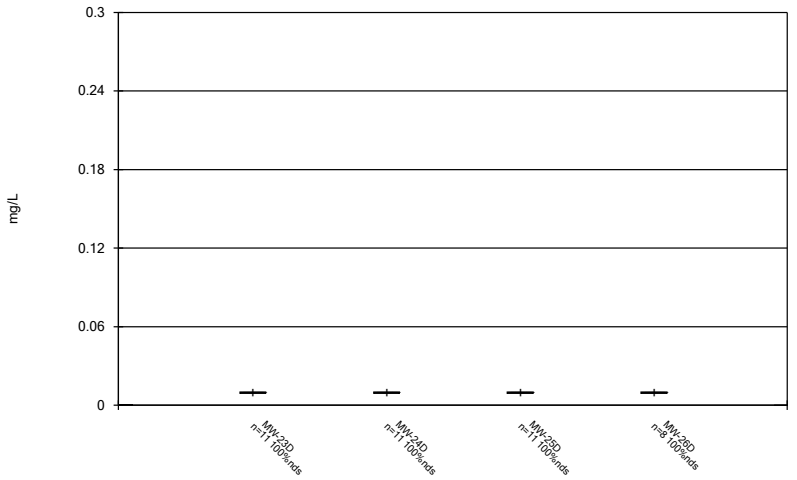


Constituent: Lithium Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

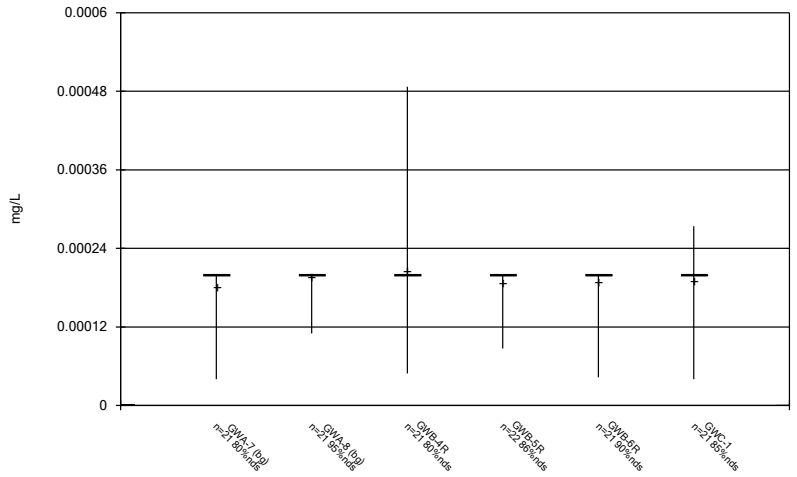


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

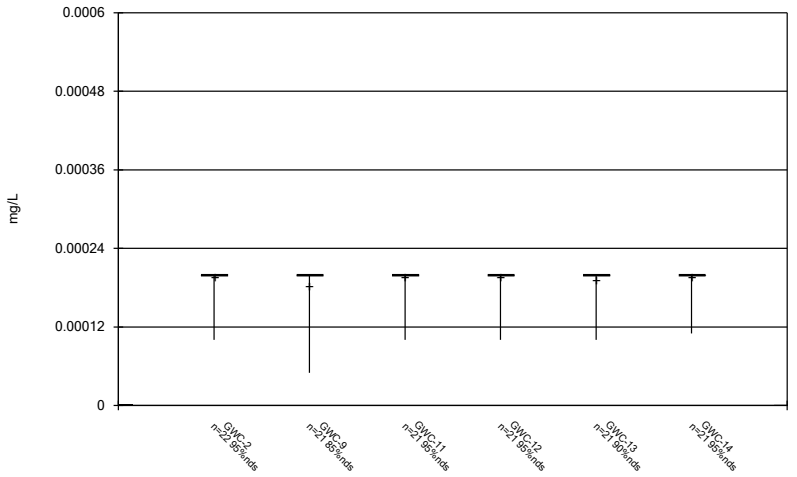


Constituent: Mercury Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

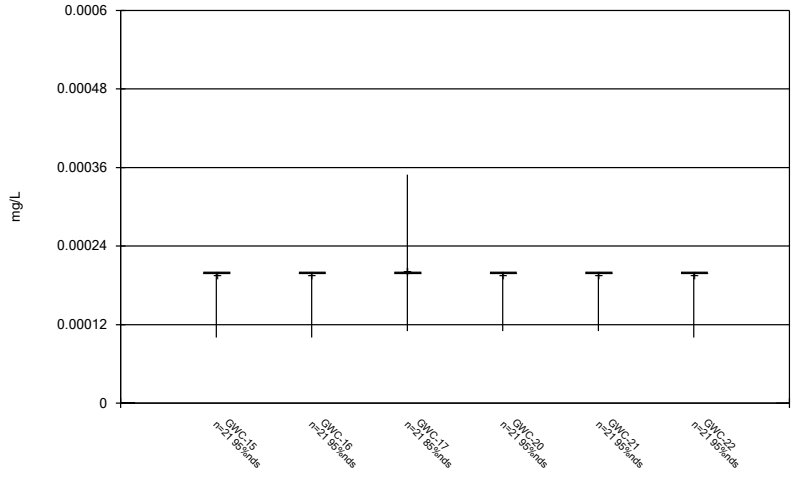


Constituent: Mercury Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

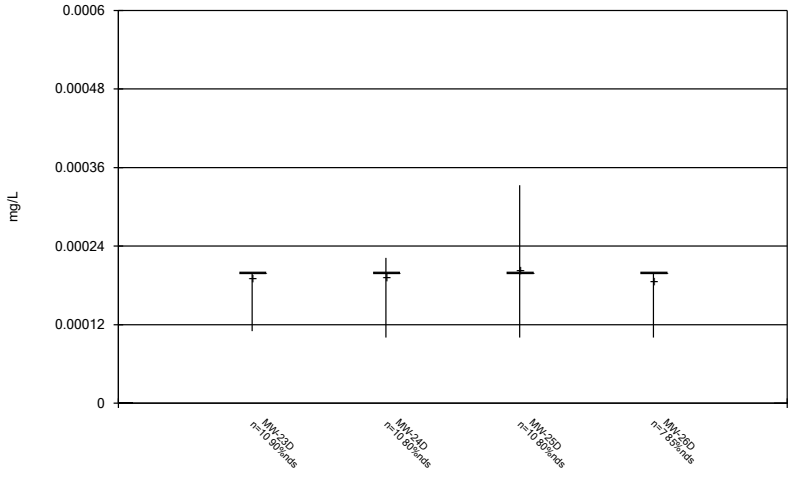


Constituent: Mercury Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

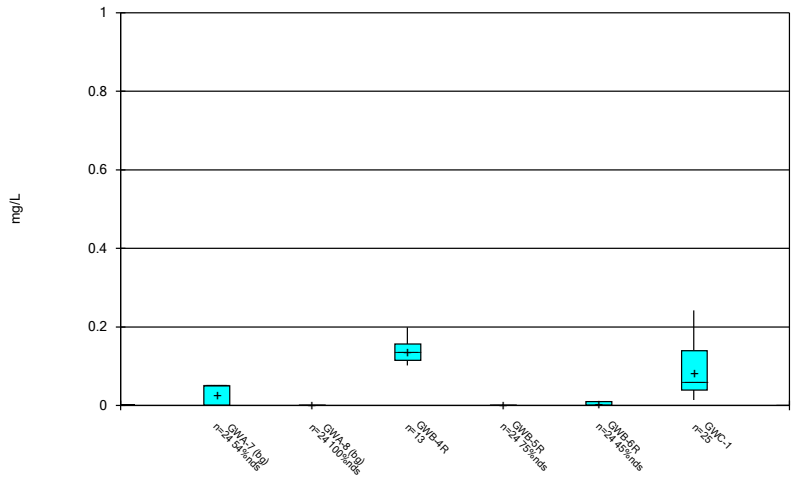


Constituent: Mercury Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

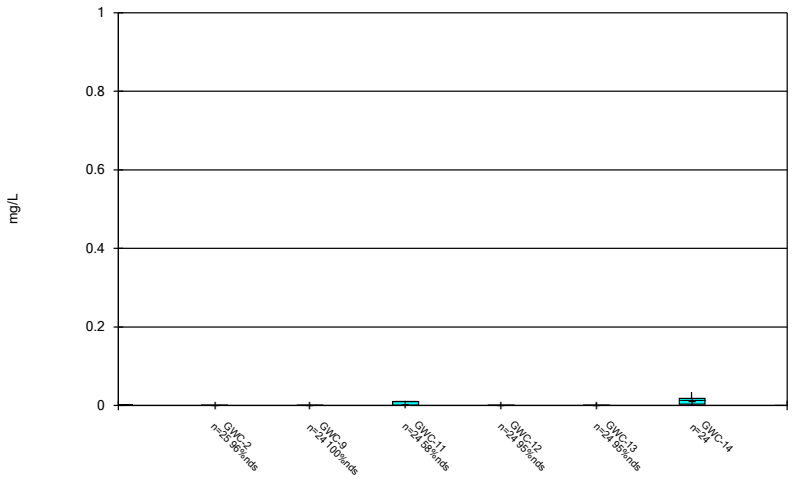


Constituent: Molybdenum Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

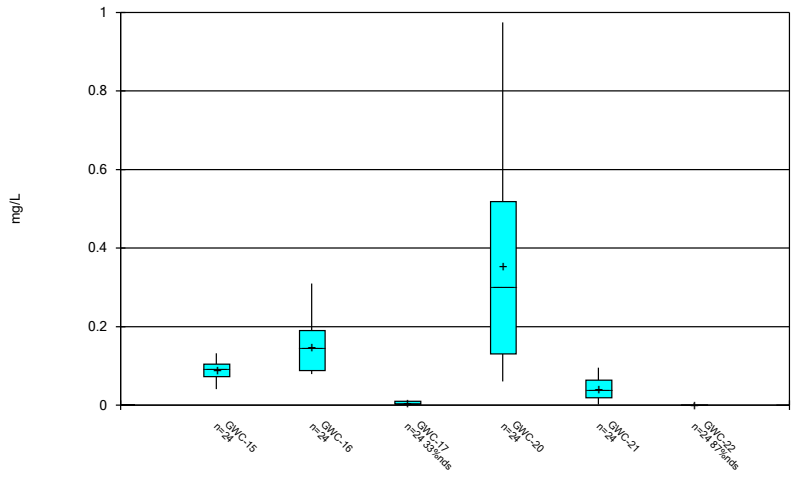


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

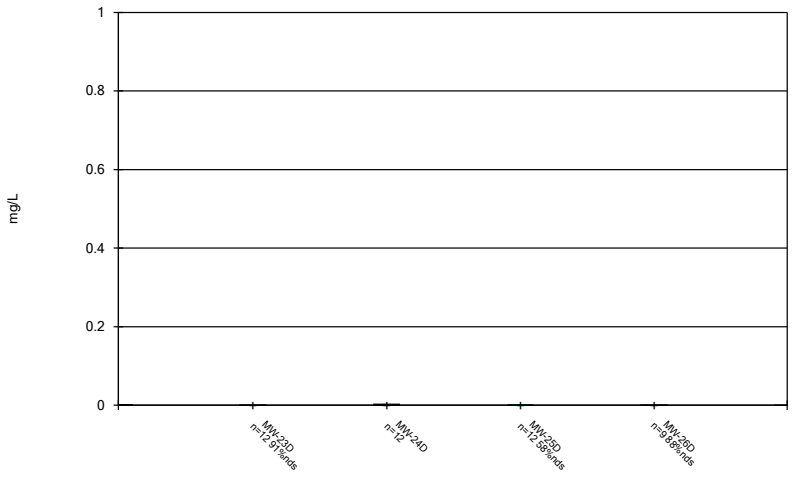


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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

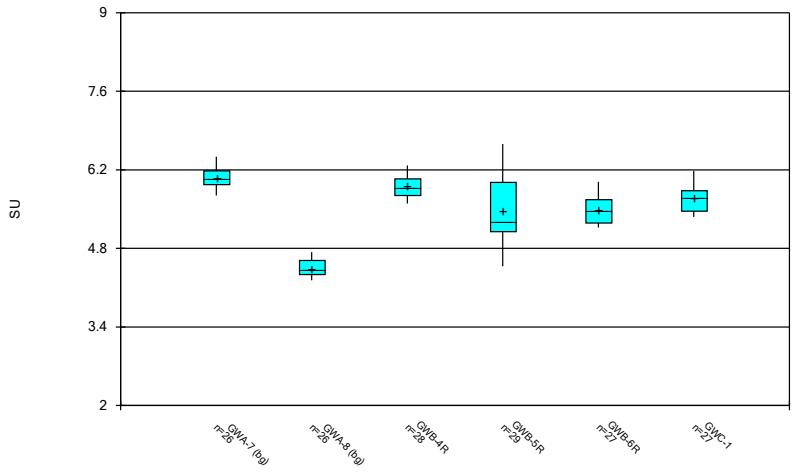


Constituent: Molybdenum Analysis Run 3/30/2026 2:51 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

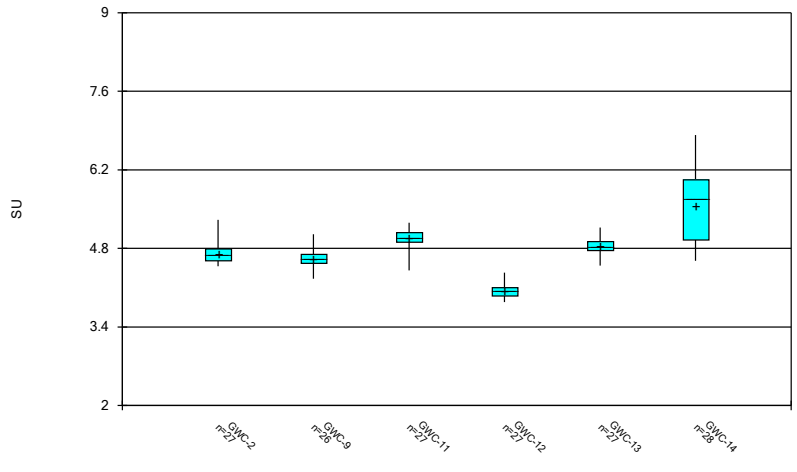


Constituent: pH, Field Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

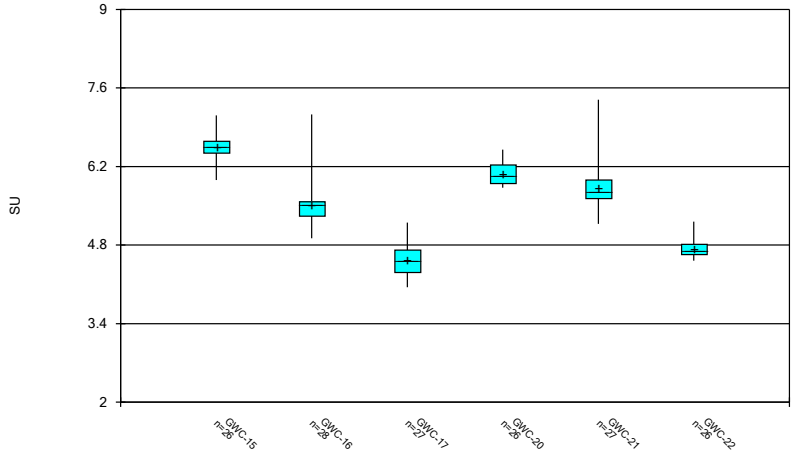


Constituent: pH, Field Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

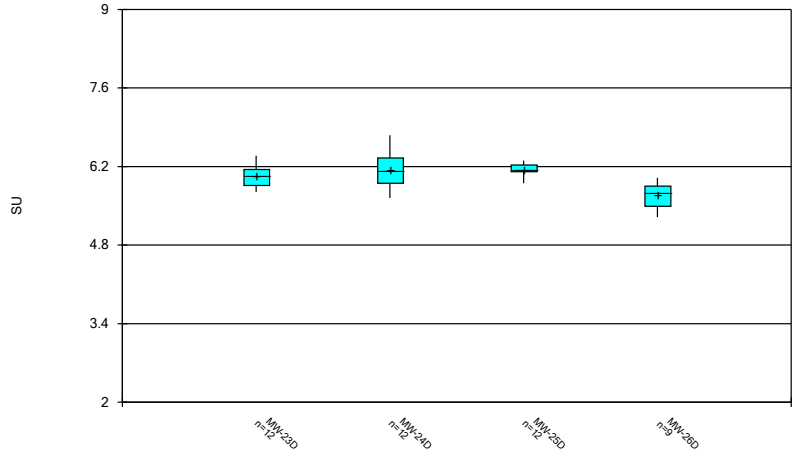


Constituent: pH, Field Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

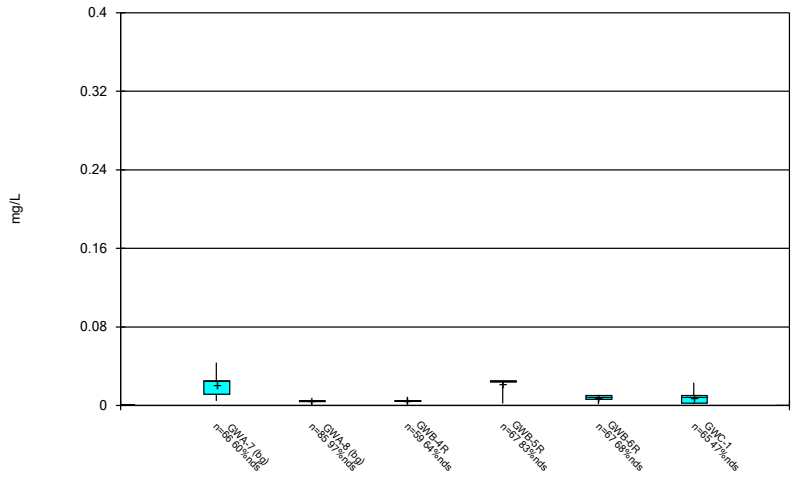


Constituent: pH, Field Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

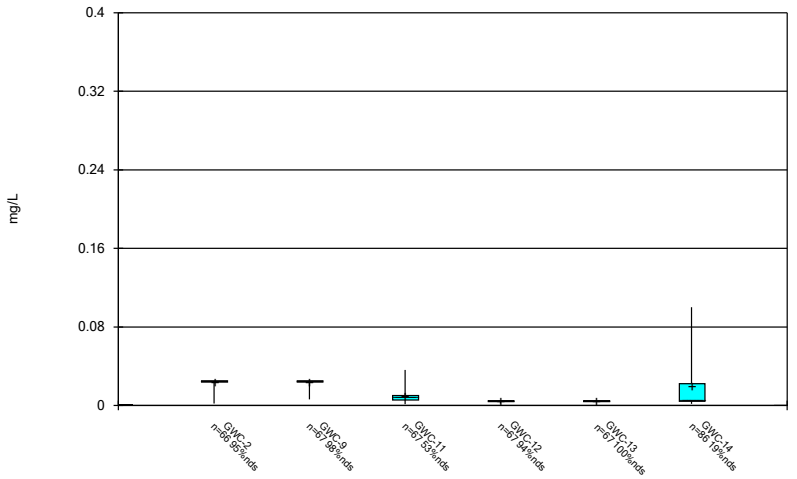


Constituent: Selenium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

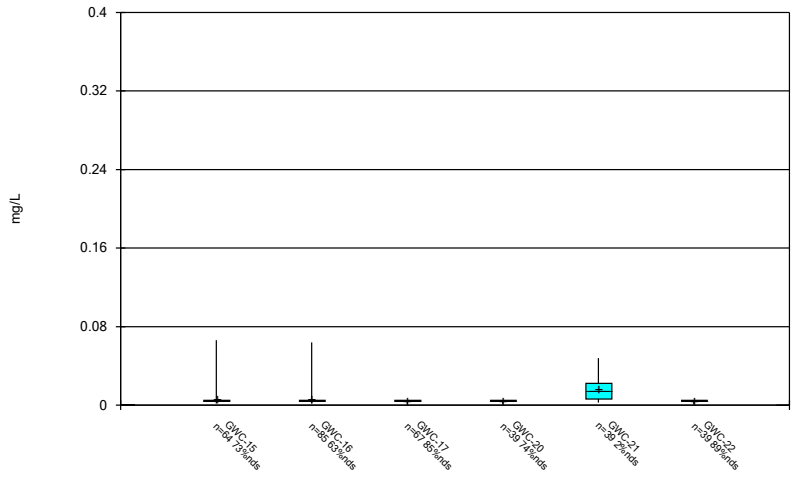


Constituent: Selenium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

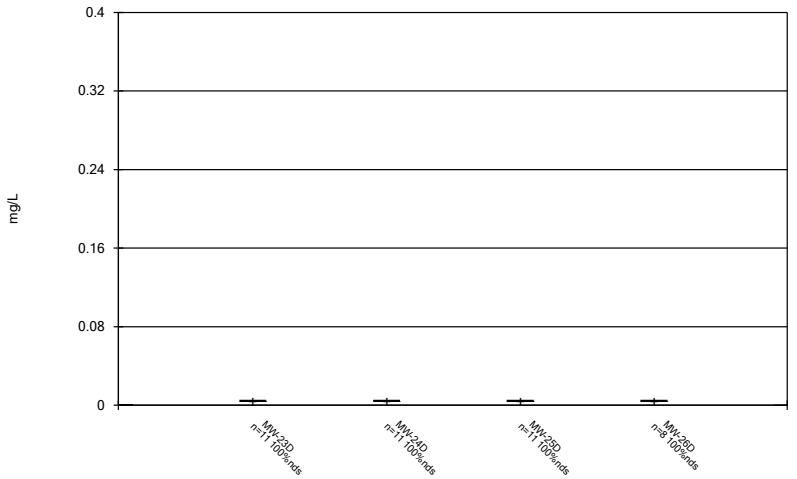


Constituent: Selenium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

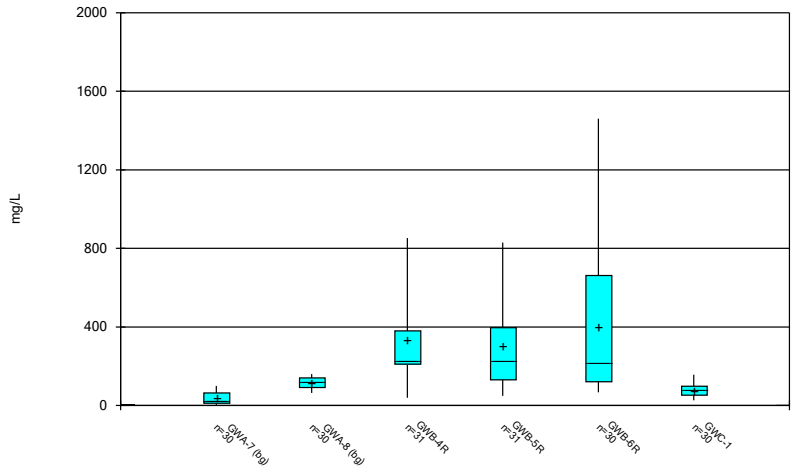


Constituent: Selenium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

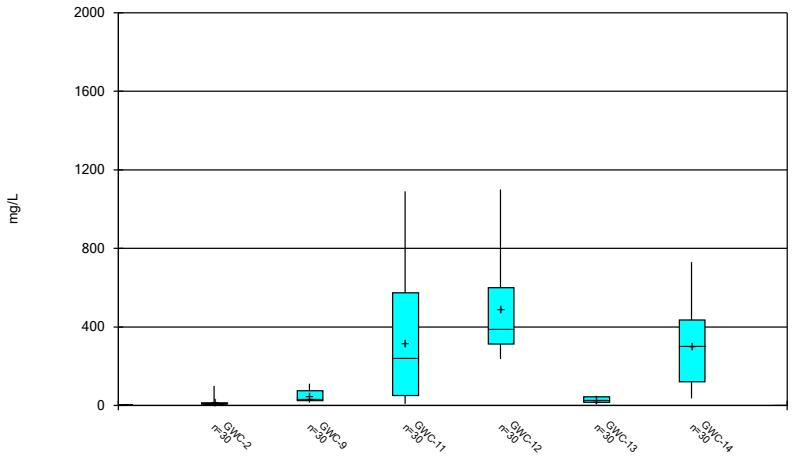


Constituent: Sulfate Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

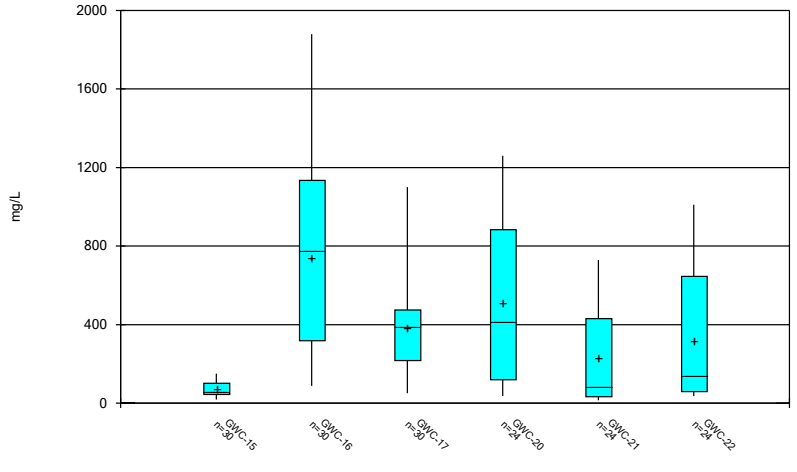


Constituent: Sulfate Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

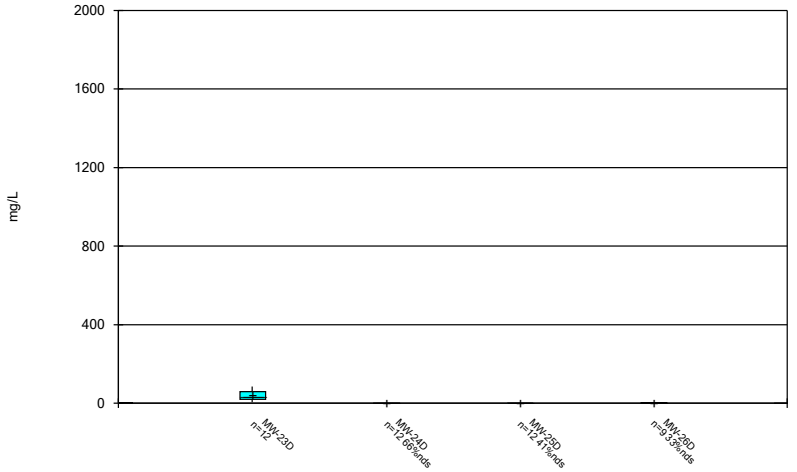


Constituent: Sulfate Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

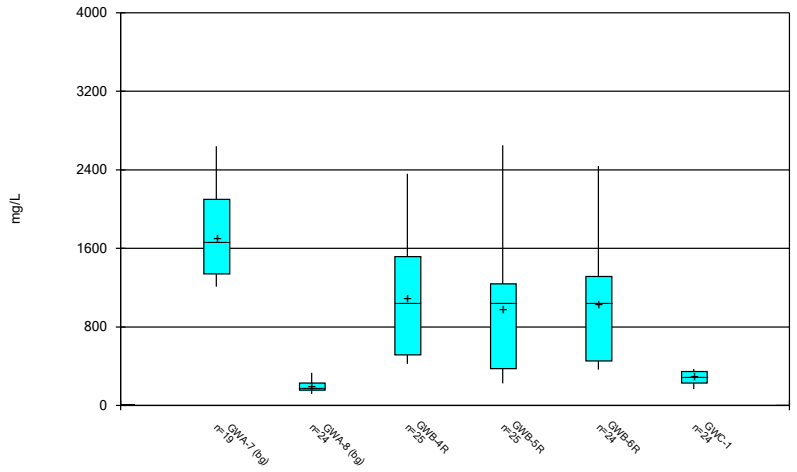


Constituent: Sulfate Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

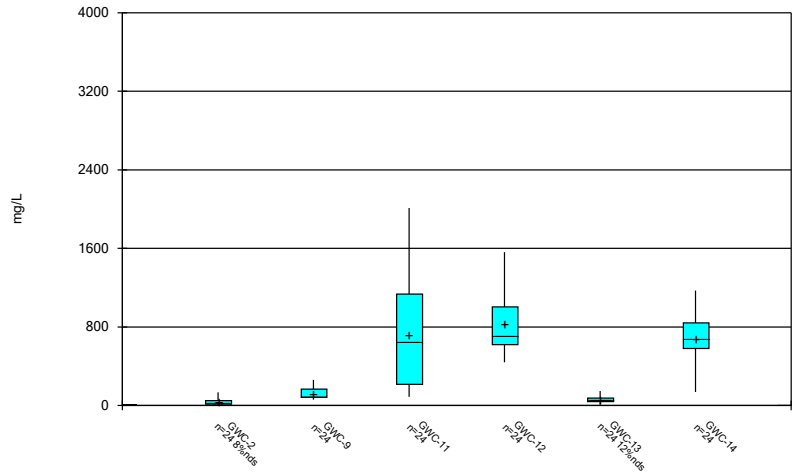


Constituent: TDS Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

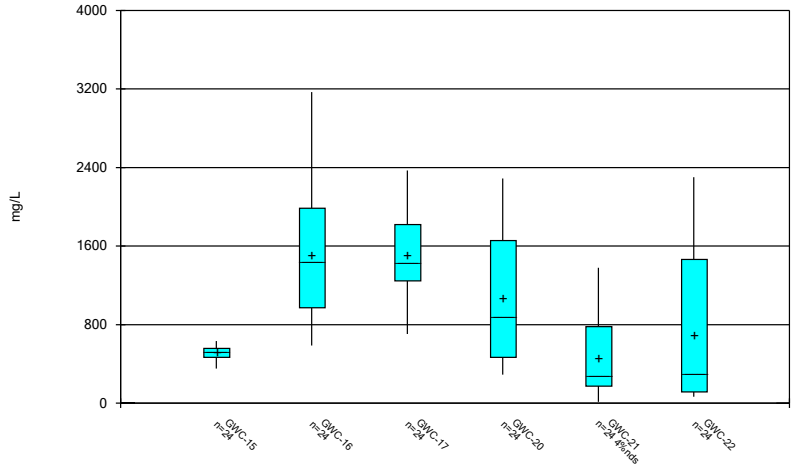


Constituent: TDS Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

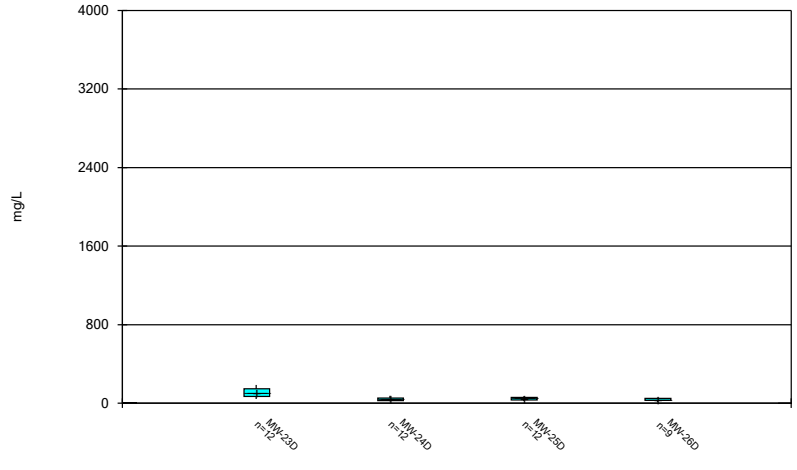


Constituent: TDS Analysis Run 3/30/2026 2:52 PM

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Box & Whiskers Plot

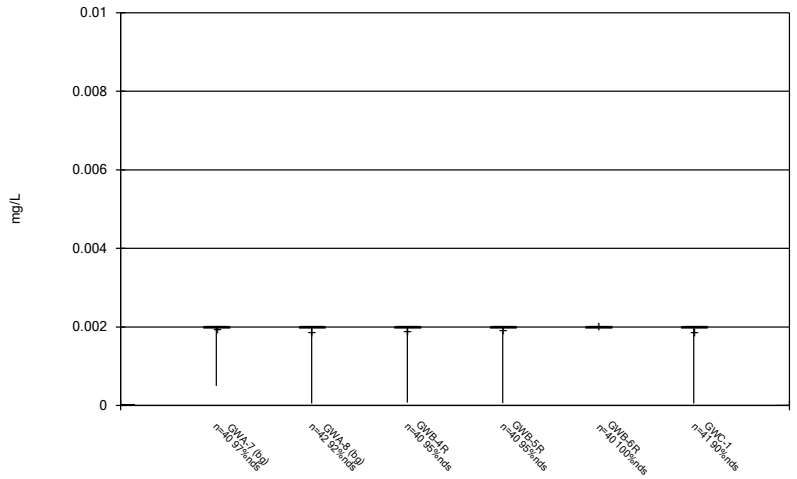


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Box & Whiskers Plot

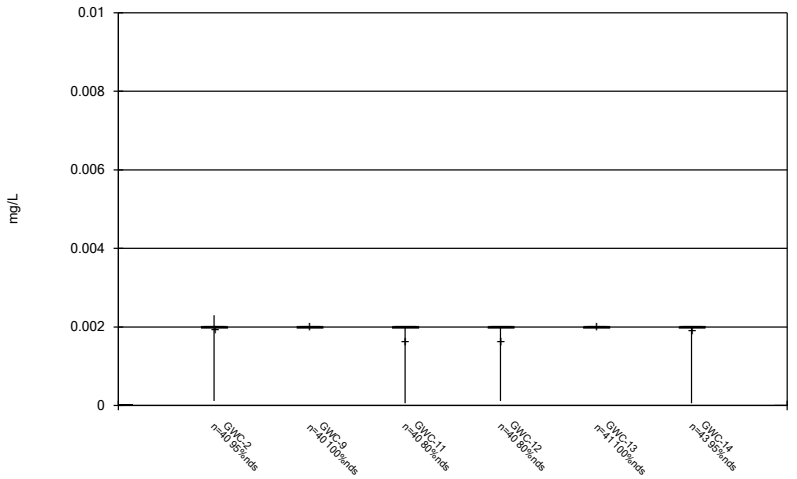


Constituent: Thallium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

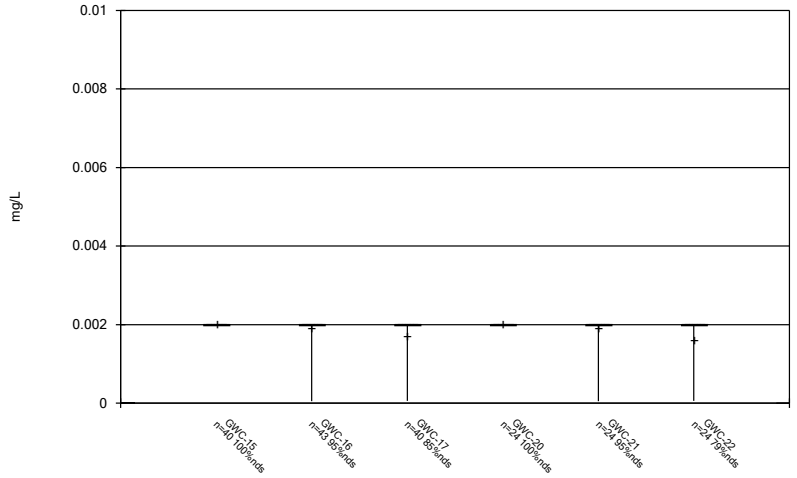


Constituent: Thallium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

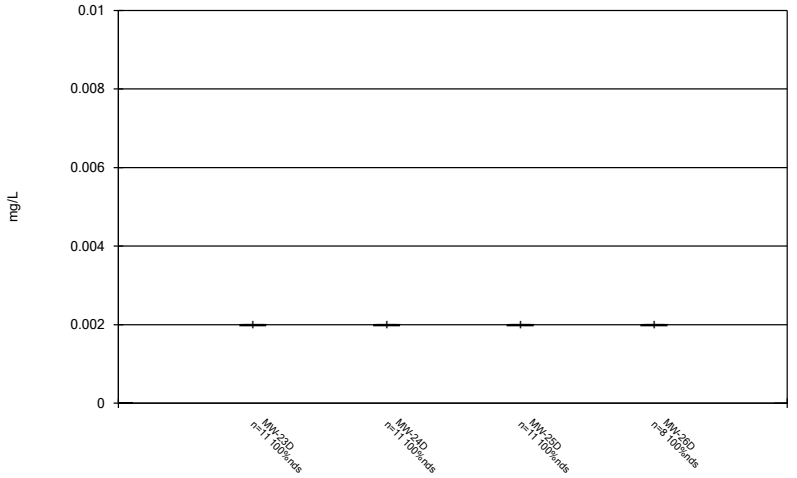


Constituent: Thallium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

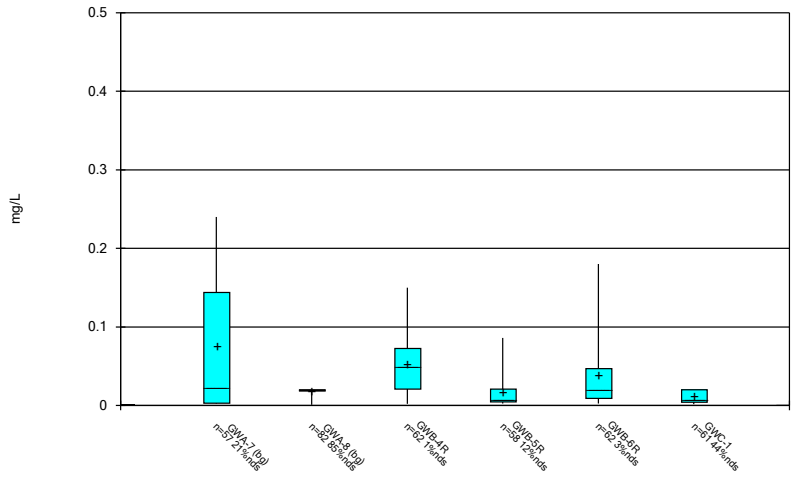


Constituent: Thallium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

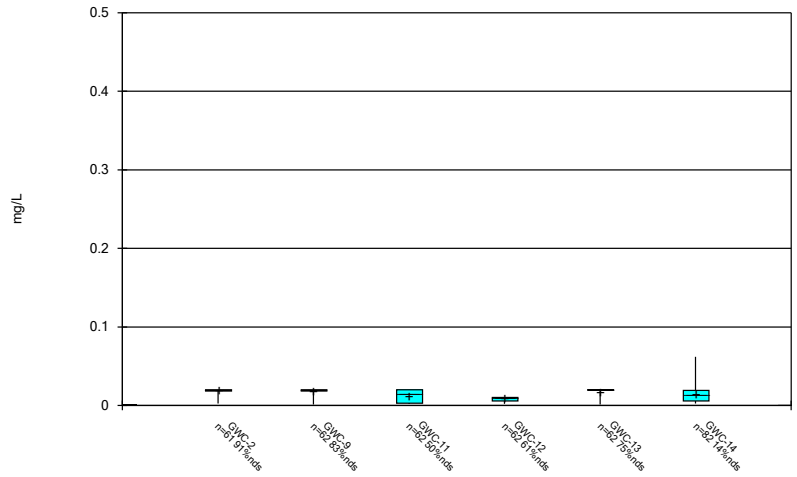


Constituent: Vanadium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

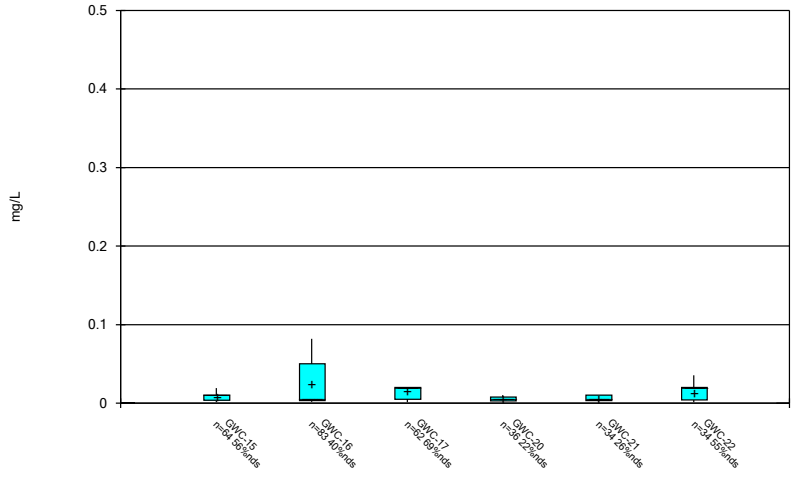


Constituent: Vanadium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

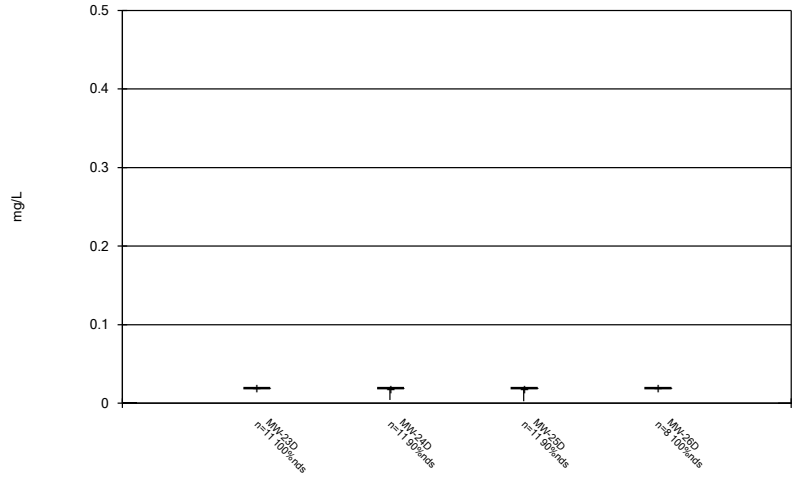


Constituent: Vanadium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

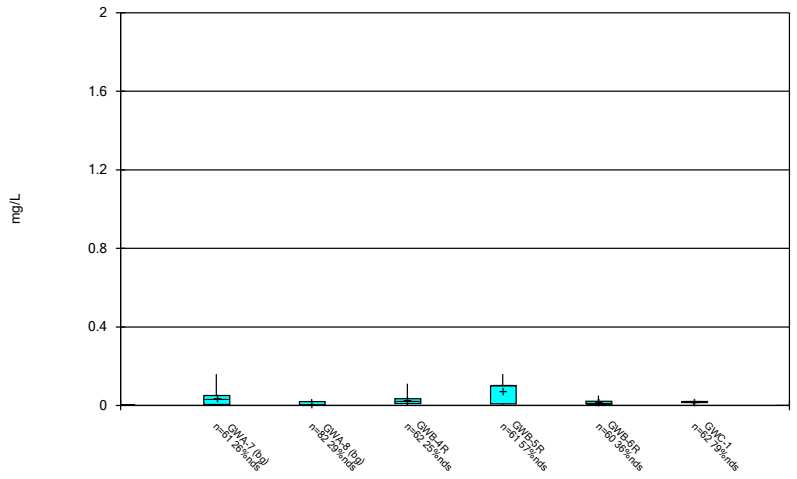


Constituent: Vanadium Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Box & Whiskers Plot

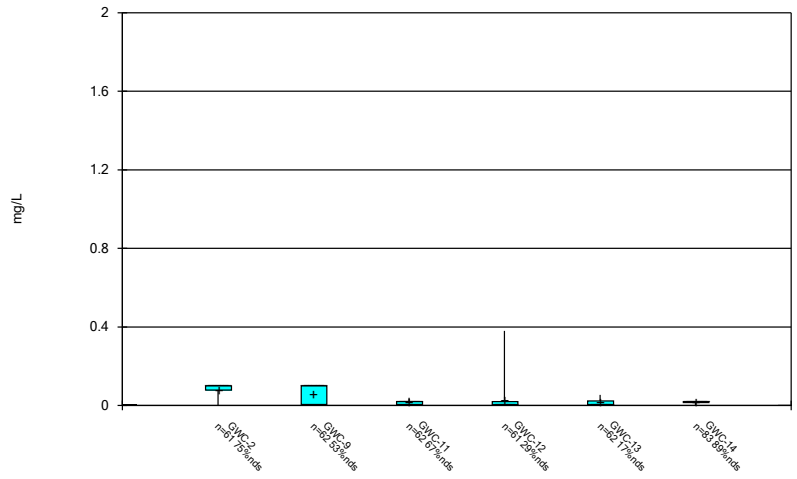


Constituent: Zinc Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

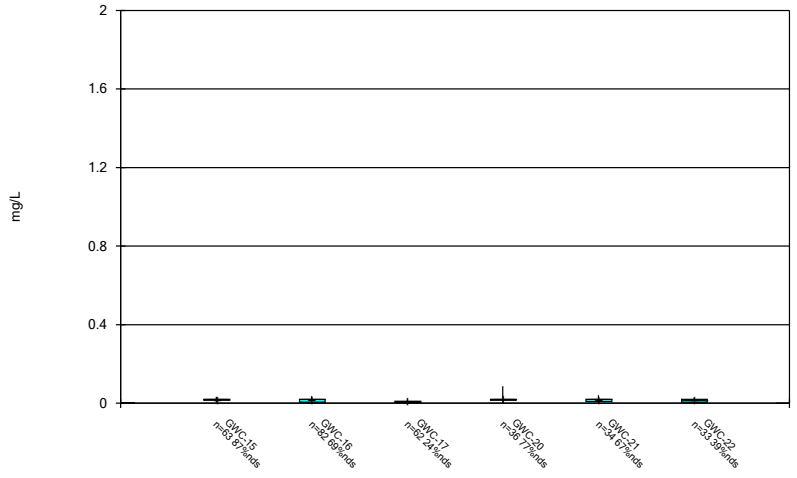


Constituent: Zinc Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Box & Whiskers Plot

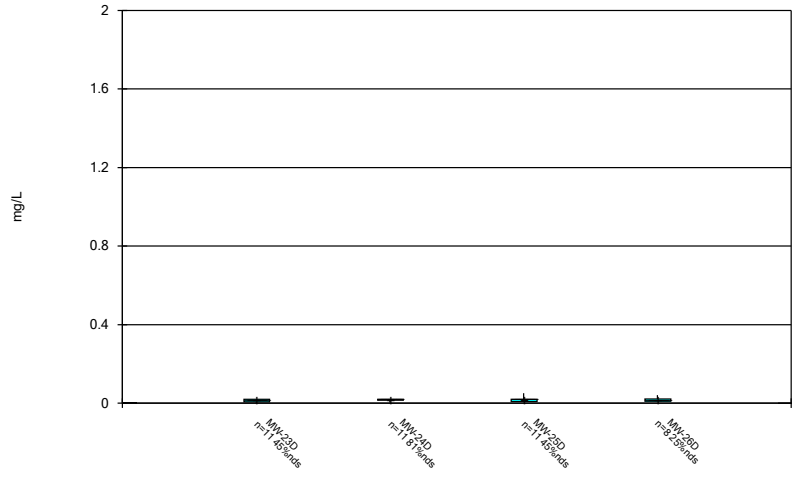


Constituent: Zinc Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Constituent: Zinc Analysis Run 3/30/2026 2:52 PM

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE C.

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 2:55 PM

	GWC-16 Arsenic (mg/L)	GWA-7 Barium (mg/L)	GWB-5R Barium (mg/L)	GWC-2 Barium (mg/L)	GWC-12 Barium (mg/L)	GWC-14 Barium (mg/L)	GWC-16 Barium (mg/L)	GWC-15 Boron (mg/L)	GWA-7 Chromium (mg/L)	GWB-5R Chromium (mg/L)
9/29/2000										
1/20/2001										
3/14/2001										
7/16/2001						0.28 (O)				
11/2/2001			0.61 (O)							0.13 (O)
4/26/2002					0.24 (O)					
11/20/2002										
11/21/2002										
6/6/2003	1.2 (O)		0.72 (O)				0.48 (O)			
6/7/2003					0.28 (O)					
12/12/2003	0.27 (O)				0.27 (O)					
5/26/2004										
5/27/2004					0.31 (O)					
12/8/2004					0.46 (O)					
12/10/2004										
6/21/2005										
12/3/2005										
12/5/2005										
6/27/2006										
6/29/2006										
12/4/2006										
6/23/2007										
6/24/2008										
7/8/2011										
1/18/2013										
4/3/2014										
1/18/2016										
7/27/2016										
8/31/2016										
9/1/2016		0.415 (O)						9.01 (O)	0.119 (O)	
10/25/2016										
10/26/2016				0.113 (O)						
1/6/2017										
4/6/2017										
10/4/2017										
7/11/2018										
1/16/2019										
1/17/2019										
1/18/2019										
1/21/2019										
3/25/2019										
10/8/2019										
4/6/2020										
9/28/2020										

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 2:55 PM

	GWB-6R Chromium (mg/L)	GWC-16 Chromium (mg/L)	GWC-17 Chromium (mg/L)	GWA-7 Cobalt (mg/L)	GWA-7 Combined Radium 226 + 228 (pCi/L)	GWA-7 Lead (mg/L)	GWA-8 Lead (mg/L)	GWB-4R Lead (mg/L)	GWB-5R Lead (mg/L)	GWC-9 Lead (mg/L)
9/29/2000									0.017 (O)	
1/20/2001										
3/14/2001									0.026 (O)	
7/16/2001									0.043 (O)	
11/2/2001									0.075 (O)	
4/26/2002										
11/20/2002								0.018 (O)	0.057 (O)	
11/21/2002										0.0086 (O)
6/6/2003		0.063 (O)				0.037 (O)	0.016 (O)	0.015 (O)	0.16 (O)	
6/7/2003										
12/12/2003			0.036 (O)							
5/26/2004										
5/27/2004										
12/8/2004										
12/10/2004									0.038 (O)	
6/21/2005									0.036 (O)	
12/3/2005										
12/5/2005										
6/27/2006								0.024 (O)		
6/29/2006										
12/4/2006								0.023 (O)		
6/23/2007										
6/24/2008	0.032 (O)							0.02 (O)		
7/8/2011										
1/18/2013										
4/3/2014										
1/18/2016										
7/27/2016										
8/31/2016										
9/1/2016						0.0663 (O)		0.0166 (O)		
10/25/2016										
10/26/2016										
1/6/2017										
4/6/2017										
10/4/2017										
7/11/2018				<0.05 (O)						
1/16/2019						<0.025 (O)				
1/17/2019										
1/18/2019										
1/21/2019										
3/25/2019										
10/8/2019					33.8 (O)					
4/6/2020					25.7 (O)					
9/28/2020					22.4 (O)					

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 2:55 PM

	GWC-14 Lead (mg/L)	GWC-16 Lead (mg/L)	GWC-9 Lithium (mg/L)	GWA-8 pH, Field (SU)	GWC-9 pH, Field (SU)	GWC-13 pH, Field (SU)	GWC-15 pH, Field (SU)	GWC-20 pH, Field (SU)	GWC-22 pH, Field (SU)	GWB-4R Selenium (mg/L)
9/29/2000										
1/20/2001										0.014 (O)
3/14/2001										
7/16/2001										0.015 (O)
11/2/2001										0.012 (O)
4/26/2002										
11/20/2002										0.026 (O)
11/21/2002	0.011 (O)									
6/6/2003		0.099 (O)								0.022 (O)
6/7/2003										
12/12/2003		0.017 (O)								0.028 (O)
5/26/2004										0.012 (O)
5/27/2004										
12/8/2004										
12/10/2004										
6/21/2005										
12/3/2005										
12/5/2005										0.013 (O)
6/27/2006										
6/29/2006										
12/4/2006										
6/23/2007										
6/24/2008										
7/8/2011										
1/18/2013										
4/3/2014										
1/18/2016										
7/27/2016										
8/31/2016			<0.05 (O)							
9/1/2016										
10/25/2016										
10/26/2016										
1/6/2017										
4/6/2017										
10/4/2017										
7/11/2018										
1/16/2019				6.16 (O)		6.45 (O)				
1/17/2019							8.44 (O)			
1/18/2019					6.87 (O)				6.98 (O)	
1/21/2019								7.73 (O)		
3/25/2019										
10/8/2019										
4/6/2020										
9/28/2020										

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 2:55 PM

	GWC-1 Selenium (mg/L)	GWC-15 Selenium (mg/L)	GWC-16 Selenium (mg/L)	GWA-7 TDS (mg/L)	GWA-7 Vanadium (mg/L)	GWB-5R Vanadium (mg/L)	GWC-1 Vanadium (mg/L)	GWC-14 Vanadium (mg/L)	GWA-7 Zinc (mg/L)	GWB-5R Zinc (mg/L)
9/29/2000										
1/20/2001										
3/14/2001										
7/16/2001						0.12 (O)				
11/2/2001						0.21 (O)				
4/26/2002										
11/20/2002	0.19 (O)					0.14 (O)				
11/21/2002										
6/6/2003	0.32 (O)	0.021 (O)	0.021 (O)			0.12 (O)	0.16 (O)		0.69 (O)	0.51 (O)
6/7/2003										
12/12/2003		0.016 (O)								
5/26/2004										
5/27/2004										
12/8/2004										
12/10/2004										
6/21/2005										
12/3/2005										
12/5/2005										
6/27/2006										
6/29/2006										
12/4/2006										
6/23/2007										
6/24/2008										
7/8/2011										
1/18/2013		0.04 (O)								
4/3/2014								0.077 (O)		
1/18/2016					0.41 (O)					
7/27/2016					0.397 (O)					
8/31/2016										
9/1/2016				3660 (o)						
10/25/2016				3560 (o)	0.425 (O)					
10/26/2016										
1/6/2017				3490 (o)	0.41 (O)					
4/6/2017				3170 (o)	0.297 (O)					
10/4/2017				3350 (o)	0.316 (O)					
7/11/2018										
1/16/2019										
1/17/2019										
1/18/2019										
1/21/2019										
3/25/2019									<0.05 (O)	
10/8/2019										
4/6/2020										
9/28/2020										

Outlier Summary

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 2:55 PM

	GWB-6R Zinc (mg/L)	GWC-12 Zinc (mg/L)	GWC-15 Zinc (mg/L)	GWC-16 Zinc (mg/L)	GWC-22 Zinc (mg/L)
9/29/2000					
1/20/2001					
3/14/2001					
7/16/2001					
11/2/2001					
4/26/2002		1.2 (O)			
11/20/2002					
11/21/2002					
6/6/2003					
6/7/2003					
12/12/2003					
5/26/2004					
5/27/2004					
12/8/2004					
12/10/2004					
6/21/2005					
12/3/2005			0.064 (O)		
12/5/2005					
6/27/2006					
6/29/2006				0.077 (O)	
12/4/2006					
6/23/2007	0.094 (O)				
6/24/2008	0.098 (O)				
7/8/2011					0.1 (O)
1/18/2013					
4/3/2014					
1/18/2016					
7/27/2016					
8/31/2016					
9/1/2016					
10/25/2016					
10/26/2016					
1/6/2017					
4/6/2017					
10/4/2017					
7/11/2018					
1/16/2019					
1/17/2019					
1/18/2019					
1/21/2019					
3/25/2019					
10/8/2019					
4/6/2020					
9/28/2020					

FIGURE D.

Appendix I Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**1/27/2026**	**0.235**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**1/28/2026**	**0.202**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**1/27/2026**	**0.288**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-21**	**0.0287**	**n/a**	**1/28/2026**	**0.0428**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**1/27/2026**	**0.301**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	**GWC-21**	**0.236**	**n/a**	**1/28/2026**	**0.254**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-5R	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWB-6R	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-1	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-2	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-12	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-15	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-16	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-17	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-20	0.003	n/a	1/27/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-21	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-22	0.003	n/a	1/28/2026	0.003ND	No	151	n/a	n/a	96.03	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-4R	0.0287	n/a	1/27/2026	0.00618	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-5R	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWB-6R	0.0287	n/a	1/28/2026	0.00504	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-1	0.0287	n/a	1/27/2026	0.00776	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-2	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.0287	n/a	1/27/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-12	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-13	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	GWC-14	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-15**	**0.0287**	**n/a**	**1/27/2026**	**0.235**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-16**	**0.0287**	**n/a**	**1/28/2026**	**0.202**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-17	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Arsenic (mg/L)	**GWC-20**	**0.0287**	**n/a**	**1/27/2026**	**0.288**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	**GWC-21**	**0.0287**	**n/a**	**1/28/2026**	**0.0428**	**Yes**	**151**	**n/a**	**n/a**	**74.83**	**n/a**	**n/a**	**0.00008656**	**NP Inter (NDs) 1 of 2**
Arsenic (mg/L)	GWC-22	0.0287	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	74.83	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWB-4R	0.236	n/a	1/27/2026	0.136	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-5R	0.236	n/a	1/28/2026	0.126	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWB-6R	0.236	n/a	1/28/2026	0.0263	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-1	0.236	n/a	1/27/2026	0.056	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-2	0.236	n/a	1/28/2026	0.0507	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-9	0.236	n/a	1/28/2026	0.194	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-11	0.236	n/a	1/27/2026	0.137	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-12	0.236	n/a	1/28/2026	0.0235	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-13	0.236	n/a	1/28/2026	0.0608	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-14	0.236	n/a	1/28/2026	0.084	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-15	0.236	n/a	1/27/2026	0.0775	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-16	0.236	n/a	1/28/2026	0.12	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-17	0.236	n/a	1/28/2026	0.0355	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Barium (mg/L)	**GWC-20**	**0.236**	**n/a**	**1/27/2026**	**0.301**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	**GWC-21**	**0.236**	**n/a**	**1/28/2026**	**0.254**	**Yes**	**149**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.00008885**	**NP Inter (normality) 1 of 2**
Barium (mg/L)	GWC-22	0.236	n/a	1/28/2026	0.165	No	149	n/a	n/a	0	n/a	n/a	0.00008885	NP Inter (normality) 1 of 2
Chromium (mg/L)	GWB-4R	0.068	n/a	1/27/2026	0.0056J	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-5R	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWB-6R	0.068	n/a	1/28/2026	0.00499J	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-1	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-2	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-12	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-13	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-14	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-15	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-16	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-17	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.068	n/a	1/27/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.068	n/a	1/28/2026	0.01ND	No	150	n/a	n/a	60	n/a	n/a	0.0000877	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-4R	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-5R	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWB-6R	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-1	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-2	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-9	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-12	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-14	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-15	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-16	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-17	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.013	n/a	1/27/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.013	n/a	1/28/2026	0.002ND	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.013	n/a	1/28/2026	0.000502J	No	147	n/a	n/a	73.47	n/a	n/a	0.00009114	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-4R	0.0438	n/a	1/27/2026	0.00534	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-5R	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWB-6R	0.0438	n/a	1/28/2026	0.00194J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-1	0.0438	n/a	1/27/2026	0.00197J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-2	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.0438	n/a	1/27/2026	0.00324J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-12	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-14	0.0438	n/a	1/28/2026	0.00286J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-15	0.0438	n/a	1/27/2026	0.00372J	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-16	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-17	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-20	0.0438	n/a	1/27/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.0438	n/a	1/28/2026	0.00655	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.0438	n/a	1/28/2026	0.005ND	No	151	n/a	n/a	81.46	n/a	n/a	0.00008656	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-4R	0.24	n/a	1/27/2026	0.0198J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-5R	0.24	n/a	1/28/2026	0.00881J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWB-6R	0.24	n/a	1/28/2026	0.0275	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-1	0.24	n/a	1/27/2026	0.00517J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-2	0.24	n/a	1/28/2026	0.00438J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.24	n/a	1/28/2026	0.00414J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.24	n/a	1/27/2026	0.02ND	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.24	n/a	1/28/2026	0.0102J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.24	n/a	1/28/2026	0.00412J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.24	n/a	1/28/2026	0.0078J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-15	0.24	n/a	1/27/2026	0.00432J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-16	0.24	n/a	1/28/2026	0.00515J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-17	0.24	n/a	1/28/2026	0.00484J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-20	0.24	n/a	1/27/2026	0.00512J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.24	n/a	1/28/2026	0.00759J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2
Vanadium (mg/L)	GWC-22	0.24	n/a	1/28/2026	0.0048J	No	139	n/a	n/a	58.99	n/a	n/a	0.0001009	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:02 PM

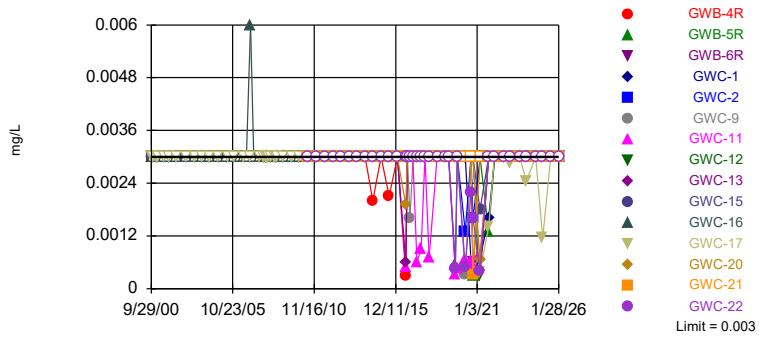
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWB-4R	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-5R	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWB-6R	0.16	n/a	1/28/2026	0.0373	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-1	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-2	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-13	0.16	n/a	1/28/2026	0.0185J	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-14	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-15	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-16	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-17	0.16	n/a	1/28/2026	0.0117J	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.16	n/a	1/27/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-21	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.16	n/a	1/28/2026	0.02ND	No	143	n/a	n/a	27.97	n/a	n/a	0.00009572	NP Inter (normality) 1 of 2

Sanitas™ v.10.1.06 Software licensed to 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 censored data exceeded 50%. Limit is highest of 151 background values. 96.03% NDs. Annual per-constituent alpha = 0.002766. Individual comparison alpha = 0.00008656 (1 of 2). Comparing 15 points to limit. Assumes 1 future value.

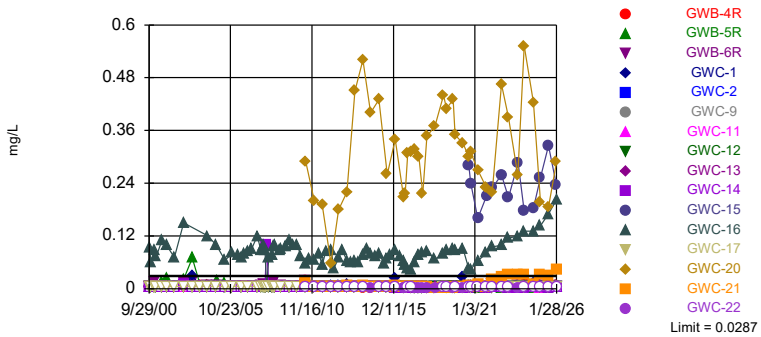
Constituent: Antimony Analysis Run 3/30/2026 3:00 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-15, GWC-16, GWC-20, GWC-21

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 151 background values. 74.83% NDs. Annual per-constituent alpha = 0.002766. Individual comparison alpha = 0.00008656 (1 of 2). Comparing 16 points to limit.

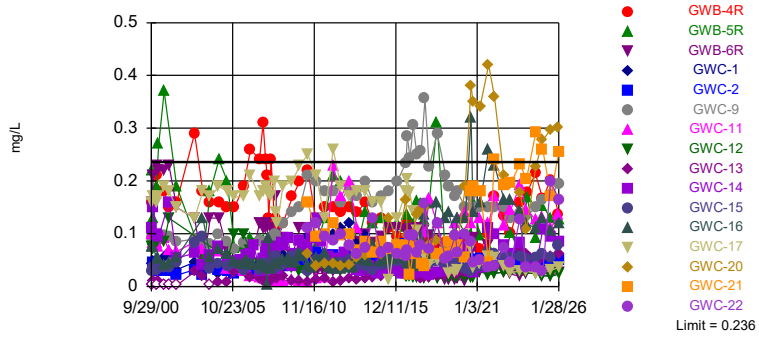
Constituent: Arsenic Analysis Run 3/30/2026 3:00 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-20, GWC-21

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 149 background values. Annual per-constituent alpha = 0.002839. Individual comparison alpha = 0.00008885 (1 of 2). Comparing 16 points to limit.

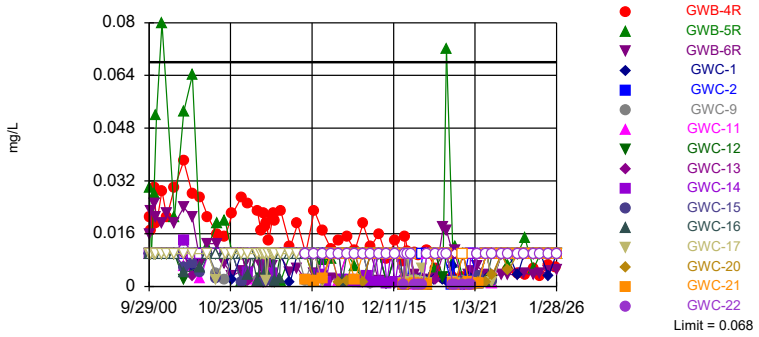
Constituent: Barium Analysis Run 3/30/2026 3:00 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



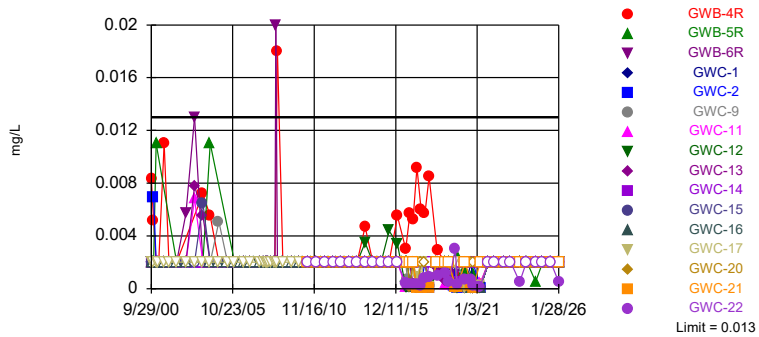
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 150 background values. 60% NDs. Annual per-constituent alpha = 0.002803. Individual comparison alpha = 0.0000877 (1 of 2). Comparing 16 points to limit.

Constituent: Chromium Analysis Run 3/30/2026 3:00 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Interwell Non-parametric



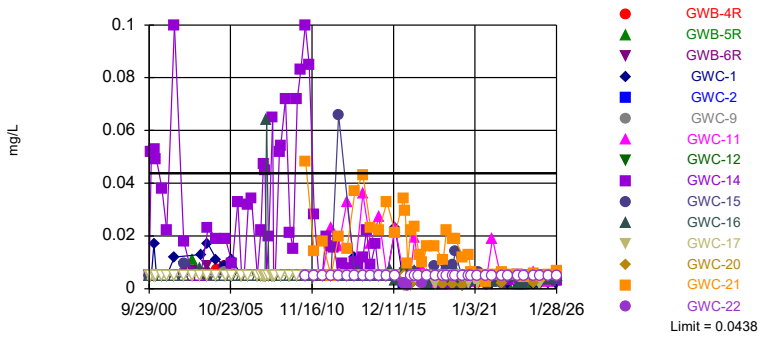
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 147 background values. 73.47% NDs. Annual per-constituent alpha = 0.002912. Individual comparison alpha = 0.00009114 (1 of 2). Comparing 16 points to limit.

Constituent: Lead Analysis Run 3/30/2026 3:01 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Interwell Non-parametric



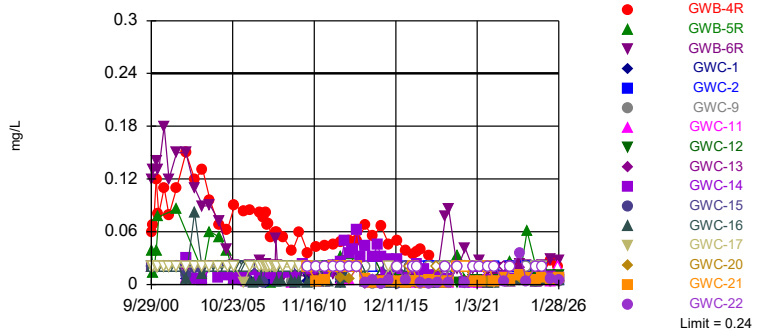
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 151 background values. 81.46% NDs. Annual per-constituent alpha = 0.002766. Individual comparison alpha = 0.00008656 (1 of 2). Comparing 15 points to limit. Assumes 1 future value.

Constituent: Selenium Analysis Run 3/30/2026 3:01 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Interwell Non-parametric



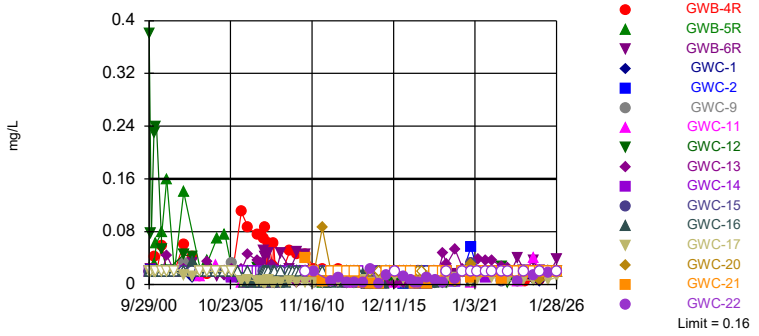
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 139 background values. 58.99% NDs. Annual per-constituent alpha = 0.003224. Individual comparison alpha = 0.0001009 (1 of 2). Comparing 16 points to limit.

Constituent: Vanadium Analysis Run 3/30/2026 3:01 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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 143 background values. 27.97% NDs. Annual per-constituent alpha = 0.003058. Individual comparison alpha = 0.00009572 (1 of 2). Comparing 16 points to limit.

Constituent: Zinc Analysis Run 3/30/2026 3:01 PM View: Appendix I
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-9	GWA-8 (bg)	GWC-1	GWC-11	GWC-16	GWB-4R	GWB-6R	GWC-12
9/29/2000	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/21/2000	<0.003	<0.003		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2001	<0.003		<0.003	<0.003	<0.003	<0.003			<0.003
11/2/2001		<0.003					<0.003	<0.003	
4/25/2002				<0.003		<0.003			
4/26/2002	<0.003	<0.003	<0.003		<0.003		<0.003	<0.003	<0.003
11/20/2002				<0.003			<0.003	<0.003	
11/21/2002		<0.003	<0.003		<0.003	<0.003			
11/22/2002									<0.003
6/6/2003	<0.003		<0.003	<0.003		<0.003	<0.003	<0.003	
6/7/2003		<0.003			<0.003				<0.003
12/12/2003	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003	<0.003	<0.003
12/17/2003				<0.003					
5/26/2004	<0.003		<0.003	<0.003		<0.003	<0.003	<0.003	
5/27/2004		<0.003			<0.003				<0.003
12/8/2004	<0.003		<0.003	<0.003		<0.003			<0.003
12/9/2004		<0.003			<0.003				
12/10/2004							<0.003	<0.003	
6/21/2005	<0.003		<0.003	<0.003		<0.003	<0.003	<0.003	
6/22/2005		<0.003			<0.003				<0.003
6/23/2005									
12/3/2005	<0.003		<0.003						
12/4/2005				<0.003	<0.003	<0.003			
12/5/2005		<0.003					<0.003	<0.003	<0.003
4/4/2006			<0.003			<0.003			
6/27/2006	<0.003		<0.003	<0.003			<0.003		
6/28/2006					<0.003				
6/29/2006		<0.003				<0.003		<0.003	<0.003
8/30/2006			<0.003			<0.003			
12/3/2006	<0.003	<0.003	<0.003		<0.003				<0.003
12/4/2006				<0.003		0.006	<0.003	<0.003	
2/15/2007			<0.003			<0.003			
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
9/11/2007			<0.003			<0.003			
9/12/2007				<0.003			<0.003		
9/13/2007		<0.003			<0.003				<0.003
9/14/2007	<0.003							<0.003	
11/6/2007						<0.003			
11/7/2007				<0.003			<0.003		<0.003
11/8/2007	<0.003	<0.003	<0.003		<0.003			<0.003	
12/11/2007	<0.003	<0.003	<0.003		<0.003			<0.003	<0.003
12/12/2007				<0.003		<0.003	<0.003		
1/15/2008					<0.003				<0.003
1/16/2008		<0.003				<0.003			
1/17/2008				<0.003			<0.003	<0.003	
1/18/2008	<0.003		<0.003						
3/11/2008			<0.003			<0.003			<0.003
3/12/2008		<0.003		<0.003			<0.003		
3/13/2008	<0.003				<0.003			<0.003	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-9	GWA-8 (bg)	GWC-1	GWC-11	GWC-16	GWB-4R	GWB-6R	GWC-12
6/3/2008					<0.003				<0.003
6/4/2008	<0.003	<0.003	<0.003	<0.003					
6/5/2008						<0.003	<0.003	<0.003	
6/23/2008	<0.003	<0.003	<0.003		<0.003				<0.003
6/24/2008				<0.003		<0.003	<0.003	<0.003	
7/29/2008	<0.003	<0.003	<0.003		<0.003				
7/30/2008							<0.003	<0.003	<0.003
7/31/2008				<0.003		<0.003			
11/3/2008			<0.003			<0.003			
12/4/2008	<0.003	<0.003	<0.003		<0.003				<0.003
12/5/2008				<0.003		<0.003	<0.003	<0.003	
3/25/2009			<0.003			<0.003			
7/7/2009	<0.003		<0.003	<0.003			<0.003	<0.003	
7/8/2009		<0.003			<0.003	<0.003			<0.003
9/14/2009			<0.003			<0.003			
12/20/2009	<0.003		<0.003	<0.003		<0.003			
12/21/2009		<0.003			<0.003		<0.003	<0.003	<0.003
3/4/2010			<0.003			<0.003			
6/20/2010	<0.003	<0.003	<0.003	<0.003	<0.003			<0.003	<0.003
6/21/2010						<0.003	<0.003		
9/14/2010			<0.003			<0.003			
1/6/2011				<0.003	<0.003				
1/7/2011	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003	<0.003
4/15/2011			<0.003			<0.003			
7/7/2011	<0.003		<0.003	<0.003	<0.003	<0.003		<0.003	<0.003
7/8/2011		<0.003					<0.003		
9/25/2011			<0.003			<0.003			
1/17/2012	<0.003		<0.003	<0.003	<0.003				<0.003
1/18/2012		<0.003				<0.003	<0.003	<0.003	
4/4/2012			<0.003			<0.003			
7/9/2012	<0.003			<0.003	<0.003				<0.003
7/10/2012		<0.003	<0.003			<0.003	<0.003	<0.003	
10/9/2012			<0.003			<0.003			
1/17/2013				<0.003	<0.003				<0.003
1/18/2013	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003	
4/5/2013			<0.003			<0.003			
7/16/2013				<0.003	<0.003				<0.003
7/17/2013	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003	
10/11/2013			<0.003			<0.003			
1/13/2014	<0.003			<0.003	<0.003				<0.003
1/14/2014		<0.003	<0.003			<0.003	<0.003	<0.003	
4/3/2014			<0.003			<0.003			
7/8/2014					<0.003				<0.003
7/9/2014	0.0022 (J)	<0.003	<0.003	<0.003		<0.003	0.002 (J)	<0.003	
7/10/2014									
10/24/2014			<0.003			<0.003			
1/12/2015							<0.003		
1/13/2015	<0.003			<0.003	<0.003				<0.003
1/14/2015		<0.003	<0.003			<0.003		<0.003	
5/10/2015			<0.003						
5/11/2015						<0.003			
7/16/2015	0.0028 (J)			<0.003	<0.003	<0.003	0.0021 (J)		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-9	GWA-8 (bg)	GWC-1	GWC-11	GWC-16	GWB-4R	GWB-6R	GWC-12
7/17/2015		<0.003	<0.003					<0.003	
7/18/2015									
10/6/2015			<0.003			<0.003			
1/17/2016				<0.003		<0.003			
1/18/2016	<0.003	<0.003	<0.003				<0.003	<0.003	<0.003
1/19/2016					<0.003				
4/26/2016			<0.003			<0.003			
7/26/2016					0.0005 (J)				
7/27/2016	<0.003			<0.003					<0.003
7/28/2016		<0.003	<0.003			<0.003		<0.003	
7/29/2016							0.0003 (J)		
8/30/2016			<0.003	<0.003				<0.003	
8/31/2016		<0.003			<0.003				<0.003
9/1/2016	0.0017 (J)					<0.003	<0.003		
10/24/2016			<0.003						
10/25/2016	<0.003			<0.003		<0.003			
10/26/2016					<0.003		<0.003	<0.003	<0.003
10/27/2016		0.0016 (J)							
1/3/2017			<0.003						
1/4/2017				<0.003	<0.003	<0.003			<0.003
1/5/2017								<0.003	
1/6/2017	0.0009 (J)	<0.003					<0.003		
4/3/2017			<0.003						
4/4/2017				<0.003			<0.003		
4/5/2017						<0.003			<0.003
4/6/2017	<0.003	<0.003			0.0006 (J)			<0.003	
7/10/2017									<0.003
7/11/2017			<0.003		0.0009 (J)				
7/12/2017		<0.003		<0.003		<0.003	<0.003	<0.003	
7/13/2017	0.0013 (J)								
10/2/2017			<0.003						
10/3/2017				<0.003	<0.003	<0.003		<0.003	
10/4/2017	0.0008 (J)	<0.003					<0.003		<0.003
1/9/2018	<0.003		<0.003					<0.003	
1/10/2018				<0.003		<0.003			
1/11/2018		<0.003			0.0007 (J)		<0.003		<0.003
7/9/2018			<0.003						
7/10/2018				<0.003		<0.003		<0.003	
7/11/2018	<0.003	<0.003			<0.003		<0.003		<0.003
1/16/2019	<0.003		<0.003	<0.003			<0.003	<0.003	
1/17/2019					<0.003	<0.003			<0.003
1/18/2019		<0.003							
1/21/2019									
3/25/2019	<0.003		<0.003				<0.003		
3/26/2019				<0.003		<0.003		<0.003	
3/27/2019		<0.003			<0.003				<0.003
7/30/2019									
8/26/2019	<0.003		<0.003						
8/27/2019				<0.003	0.00033 (J)		<0.003	<0.003	<0.003
8/28/2019		<0.003				<0.003			
10/7/2019			<0.003						
10/8/2019	<0.003				0.00046 (J)	<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-9	GWA-8 (bg)	GWC-1	GWC-11	GWC-16	GWB-4R	GWB-6R	GWC-12
10/9/2019		<0.003		<0.003			<0.003	<0.003	<0.003
4/6/2020	<0.003		<0.003						
4/7/2020				<0.003	0.00066 (J)	<0.003	<0.003	<0.003	<0.003
4/8/2020		0.00033 (J)							
8/17/2020			<0.003						<0.003
8/18/2020					0.00064 (J)	<0.003			
8/19/2020	<0.003	<0.003		0.00061 (J)			<0.003	<0.003	
9/28/2020	<0.003		<0.003	0.00035 (J)					
9/29/2020					0.00051 (J)				<0.003
9/30/2020						<0.003		0.00059 (J)	
10/1/2020		<0.003					<0.003		
3/10/2021		<0.003		0.00069 (J)	0.00076 (J)		<0.003	0.00029 (J)	0.0003 (J)
3/11/2021	<0.003								
3/12/2021			<0.003						
3/15/2021									
3/16/2021						<0.003			
9/21/2021	<0.003		<0.003		<0.003		<0.003	<0.003	<0.003
9/22/2021		<0.003				<0.003			
9/23/2021				0.0016 (J)					
1/31/2022	<0.003		<0.003						
2/1/2022						<0.003			
2/2/2022		<0.003					<0.003	<0.003	
2/3/2022				<0.003	<0.003				<0.003
8/30/2022	<0.003		<0.003				<0.003	<0.003	<0.003
8/31/2022					<0.003				
9/1/2022		<0.003		<0.003		<0.003			
1/31/2023	<0.003		<0.003						
2/1/2023		<0.003			<0.003	<0.003		<0.003	<0.003
2/2/2023				<0.003			<0.003		
8/28/2023	<0.003		<0.003						
8/29/2023		<0.003		<0.003			<0.003	<0.003	
9/6/2023					<0.003	<0.003			<0.003
9/7/2023									
1/23/2024	<0.003		<0.003	<0.003				<0.003	
1/24/2024		<0.003			<0.003				
1/25/2024						<0.003			<0.003
2/7/2024							<0.003		
2/8/2024									
8/19/2024	<0.003								
8/20/2024				<0.003			<0.003	<0.003	
8/21/2024		<0.003	<0.003		<0.003	<0.003			<0.003
8/22/2024									
1/27/2025			<0.003						
1/28/2025	<0.003				<0.003		<0.003	<0.003	
1/29/2025		<0.003		<0.003		<0.003			<0.003
7/28/2025	<0.003		<0.003				<0.003		
7/29/2025				<0.003	<0.003			<0.003	
7/30/2025		<0.003				<0.003			<0.003
1/27/2026	<0.003		<0.003	<0.003	<0.003		<0.003		
1/28/2026		<0.003				<0.003		<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-5R	GWC-13	GWC-15	GWC-2	GWC-21	GWC-20	GWC-22
9/29/2000	<0.003	<0.003	<0.003	<0.003				
11/21/2000	<0.003	<0.003	<0.003	<0.003	<0.003			
1/20/2001	<0.003	<0.003	<0.003	<0.003	<0.003			
3/14/2001	<0.003	<0.003	<0.003	<0.003	<0.003			
7/16/2001	<0.003	<0.003	<0.003	<0.003	<0.003			
11/1/2001	<0.003		<0.003	<0.003	<0.003			
11/2/2001		<0.003						
4/25/2002	<0.003			<0.003	<0.003			
4/26/2002		<0.003	<0.003					
11/20/2002		<0.003						
11/21/2002	<0.003			<0.003				
11/22/2002			<0.003		<0.003			
6/6/2003	<0.003	<0.003		<0.003	<0.003			
6/7/2003			<0.003					
12/12/2003	<0.003	<0.003	<0.003	<0.003	<0.003			
12/17/2003								
5/26/2004		<0.003		<0.003				
5/27/2004	<0.003		<0.003		<0.003			
12/8/2004	<0.003			<0.003	<0.003			
12/9/2004			<0.003					
12/10/2004		<0.003						
6/21/2005		<0.003						
6/22/2005			<0.003					
6/23/2005	<0.003			<0.003	<0.003			
12/3/2005				<0.003	<0.003			
12/4/2005								
12/5/2005	<0.003	<0.003	<0.003					
4/4/2006								
6/27/2006		<0.003						
6/28/2006								
6/29/2006	<0.003		<0.003	<0.003	<0.003			
8/30/2006								
12/3/2006			<0.003					
12/4/2006	<0.003	<0.003		<0.003	<0.003			
2/15/2007								
6/23/2007	<0.003	<0.003	<0.003	<0.003	<0.003			
9/11/2007								
9/12/2007	<0.003	<0.003		<0.003	<0.003			
9/13/2007			<0.003					
9/14/2007								
11/6/2007	<0.003			<0.003	<0.003			
11/7/2007		<0.003	<0.003					
11/8/2007								
12/11/2007			<0.003					
12/12/2007	<0.003	<0.003		<0.003	<0.003			
1/15/2008			<0.003					
1/16/2008	<0.003			<0.003	<0.003			
1/17/2008		<0.003						
1/18/2008								
3/11/2008			<0.003					
3/12/2008				<0.003	<0.003			
3/13/2008	<0.003	<0.003						

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-5R	GWC-13	GWC-15	GWC-2	GWC-21	GWC-20	GWC-22
6/3/2008			<0.003					
6/4/2008	<0.003	<0.003						
6/5/2008				<0.003	<0.003			
6/23/2008			<0.003					
6/24/2008	<0.003	<0.003		<0.003	<0.003			
7/29/2008								
7/30/2008		<0.003	<0.003					
7/31/2008	<0.003			<0.003	<0.003			
11/3/2008								
12/4/2008			<0.003		<0.003			
12/5/2008	<0.003	<0.003		<0.003				
3/25/2009								
7/7/2009		<0.003						
7/8/2009	<0.003		<0.003	<0.003	<0.003			
9/14/2009								
12/20/2009				<0.003	<0.003			
12/21/2009	<0.003	<0.003	<0.003					
3/4/2010								
6/20/2010		<0.003	<0.003	<0.003	<0.003			
6/21/2010	<0.003					<0.003	<0.003	<0.003
9/14/2010								
1/6/2011		<0.003	<0.003		<0.003			
1/7/2011	<0.003			<0.003		<0.003	<0.003	<0.003
4/15/2011								
7/7/2011		<0.003	<0.003	<0.003	<0.003			
7/8/2011	<0.003					<0.003	<0.003	<0.003
9/25/2011								
1/17/2012		<0.003	<0.003	<0.003	<0.003			
1/18/2012	<0.003					<0.003	<0.003	<0.003
4/4/2012								
7/9/2012		<0.003	<0.003	<0.003	<0.003			
7/10/2012	<0.003					<0.003	<0.003	<0.003
10/9/2012								
1/17/2013		<0.003	<0.003		<0.003			
1/18/2013	<0.003			<0.003		<0.003	<0.003	<0.003
4/5/2013								
7/16/2013		<0.003	<0.003					
7/17/2013	<0.003			<0.003	<0.003	<0.003	<0.003	<0.003
10/11/2013								
1/13/2014		<0.003	<0.003	<0.003	<0.003			
1/14/2014	<0.003					<0.003	<0.003	<0.003
4/3/2014								
7/8/2014			<0.003					
7/9/2014	<0.003	<0.003		<0.003	<0.003	<0.003		
7/10/2014							<0.003	<0.003
10/24/2014								
1/12/2015							<0.003	
1/13/2015		<0.003	<0.003	<0.003	<0.003			
1/14/2015	<0.003					<0.003		<0.003
5/10/2015								
5/11/2015								
7/16/2015		<0.003	<0.003	<0.003	<0.003			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-5R	GWC-13	GWC-15	GWC-2	GWC-21	GWC-20	GWC-22
7/17/2015						<0.003		
7/18/2015	<0.003						<0.003	<0.003
10/6/2015								
1/17/2016				<0.003	<0.003	<0.003	<0.003	
1/18/2016	<0.003	<0.003	<0.003					<0.003
1/19/2016								
4/26/2016								
7/26/2016			0.0006 (J)					
7/27/2016		<0.003		<0.003	<0.003			
7/28/2016						<0.003	0.0019 (J)	
7/29/2016	<0.003							<0.003
8/30/2016		<0.003						
8/31/2016			<0.003		<0.003			<0.003
9/1/2016	<0.003			<0.003		<0.003	<0.003	
10/24/2016								
10/25/2016				<0.003		<0.003	<0.003	
10/26/2016	<0.003	<0.003	<0.003		<0.003			<0.003
10/27/2016								
1/3/2017		<0.003						
1/4/2017						<0.003	<0.003	<0.003
1/5/2017	<0.003		<0.003	<0.003	<0.003			
1/6/2017								
4/3/2017				<0.003				
4/4/2017					<0.003	<0.003	<0.003	
4/5/2017	<0.003							
4/6/2017		<0.003	<0.003					<0.003
7/10/2017								
7/11/2017				<0.003			<0.003	<0.003
7/12/2017		<0.003	<0.003					
7/13/2017	<0.003				<0.003	<0.003		
10/2/2017				<0.003			<0.003	
10/3/2017		<0.003			<0.003	<0.003		
10/4/2017	<0.003		<0.003					<0.003
1/9/2018				<0.003		<0.003		
1/10/2018		<0.003	<0.003		<0.003		<0.003	
1/11/2018	<0.003							<0.003
7/9/2018							<0.003	
7/10/2018		<0.003		<0.003	<0.003	<0.003		
7/11/2018	<0.003		<0.003					<0.003
1/16/2019	<0.003	<0.003	<0.003					
1/17/2019				<0.003		<0.003		
1/18/2019								<0.003
1/21/2019					<0.003		<0.003	
3/25/2019							<0.003	
3/26/2019	<0.003	<0.003	<0.003	<0.003		<0.003		
3/27/2019								<0.003
7/30/2019					<0.003			
8/26/2019								
8/27/2019			<0.003	<0.003	<0.003			0.00045 (J)
8/28/2019	<0.003	0.00054 (J)				<0.003	<0.003	
10/7/2019								
10/8/2019			<0.003	<0.003		<0.003		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-5R	GWC-13	GWC-15	GWC-2	GWC-21	GWC-20	GWC-22
10/9/2019	<0.003	<0.003			<0.003		<0.003	<0.003
4/6/2020								
4/7/2020		<0.003		<0.003		<0.003		0.00049 (J)
4/8/2020	<0.003		<0.003		0.0013 (J)		<0.003	
8/17/2020			<0.003					
8/18/2020	<0.003			<0.003	<0.003	<0.003	<0.003	0.0022 (J)
8/19/2020		<0.003						
9/28/2020			<0.003					
9/29/2020					0.0016 (J)			
9/30/2020	<0.003	0.0003 (J)		<0.003		0.00033 (J)	<0.003	0.0016 (J)
10/1/2020								
3/10/2021		<0.003						0.0004 (J)
3/11/2021	0.00039 (J)							
3/12/2021				0.0018 (J)			0.00065 (J)	
3/15/2021			<0.003		<0.003			
3/16/2021						<0.003		
9/21/2021		0.0013 (J)	<0.003					<0.003
9/22/2021	0.0014 (J)				<0.003	<0.003	<0.003	
9/23/2021				<0.003				
1/31/2022								
2/1/2022	<0.003					<0.003	<0.003	
2/2/2022					<0.003			
2/3/2022		<0.003	<0.003	<0.003				<0.003
8/30/2022		<0.003				<0.003	<0.003	
8/31/2022	<0.003		<0.003	<0.003				<0.003
9/1/2022					<0.003			
1/31/2023								
2/1/2023	0.00286 (J)	<0.003	<0.003				<0.003	
2/2/2023				<0.003	<0.003	<0.003		<0.003
8/28/2023								
8/29/2023	<0.003	<0.003	<0.003		<0.003			<0.003
9/6/2023						<0.003	<0.003	
9/7/2023				<0.003				
1/23/2024								<0.003
1/24/2024	0.00245 (J)			<0.003			<0.003	
1/25/2024			<0.003		<0.003	<0.003		
2/7/2024								
2/8/2024		<0.003						
8/19/2024								
8/20/2024								
8/21/2024	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003
8/22/2024						<0.003		
1/27/2025								
1/28/2025	0.00115 (J)							<0.003
1/29/2025		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
7/28/2025								
7/29/2025	<0.003						<0.003	<0.003
7/30/2025		<0.003	<0.003	<0.003	<0.003	<0.003		
1/27/2026				<0.003			<0.003	
1/28/2026	<0.003	<0.003	<0.003		<0.003	<0.003		<0.003

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
9/29/2000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/21/2000	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005
1/20/2001	<0.005	<0.005	0.014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
7/16/2001	<0.005	0.014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2001	<0.005			<0.005	<0.005		<0.005	<0.005	<0.005
11/2/2001		0.023	<0.005			<0.005			
4/25/2002				<0.005					<0.005
4/26/2002	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	
11/20/2002		0.022	0.014	<0.005					
11/21/2002					<0.005	<0.005			0.011
11/22/2002							<0.005	<0.005	
6/6/2003	0.02	0.07	0.014	0.03	<0.005				<0.005
6/7/2003						<0.005	<0.005	<0.005	
12/12/2003	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	0.0064	<0.005
12/17/2003				<0.005					
5/26/2004	<0.005	0.0074	0.0082	<0.005	<0.005				
5/27/2004						<0.005	<0.005	<0.005	<0.005
12/8/2004	<0.005			<0.005	<0.005		<0.005		<0.005
12/9/2004						<0.005		<0.005	
12/10/2004		0.017	0.0062						
6/21/2005	<0.005	0.013	<0.005	<0.005	<0.005				
6/22/2005						<0.005	<0.005	<0.005	
6/23/2005									<0.005
12/3/2005	<0.005				<0.005				<0.005
12/4/2005				<0.005					
12/5/2005		<0.005	<0.005			<0.005	<0.005	<0.005	
4/4/2006					<0.005				<0.005
6/27/2006	<0.005	<0.005		<0.005	<0.005				
6/28/2006									
6/29/2006			<0.005			<0.005	<0.005	<0.005	<0.005
8/30/2006					<0.005				<0.005
12/3/2006	<0.005				<0.005	<0.005	<0.005	<0.005	
12/4/2006		<0.005	<0.005	<0.005					<0.005
2/15/2007					<0.005				<0.005
6/23/2007	<0.005	<0.005	0.0053	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2007					<0.005				<0.005
9/12/2007		<0.005		<0.005					
9/13/2007						<0.005	<0.005	<0.005	
9/14/2007	<0.005		0.0076						
11/6/2007									<0.005
11/7/2007		<0.005		<0.005			<0.005	<0.005	
11/8/2007	<0.005		0.0087		<0.005	<0.005			
12/11/2007	<0.005		0.0057		<0.005	<0.005	<0.005	<0.005	
12/12/2007		<0.005		<0.005					<0.005
1/15/2008							<0.005	<0.005	
1/16/2008						<0.005			0.1
1/17/2008		<0.005	<0.005	<0.005					
1/18/2008	<0.005				<0.005				
3/11/2008					<0.005		<0.005	<0.005	<0.005
3/12/2008				<0.005		<0.005			
3/13/2008	<0.005	<0.005	0.0057						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
6/3/2008							<0.005	<0.005	
6/4/2008	<0.005	<0.005		<0.005	<0.005	<0.005			
6/5/2008			<0.005						<0.005
6/23/2008	<0.005				<0.005	<0.005	<0.005	<0.005	
6/24/2008		<0.005	0.012	<0.005					<0.005
7/29/2008	<0.005				<0.005	<0.005			
7/30/2008		<0.005	<0.005				<0.005	<0.005	
7/31/2008				<0.005					<0.005
11/3/2008					<0.005				<0.005
12/4/2008	<0.005				<0.005	<0.005	<0.005	<0.005	<0.005
12/5/2008		<0.005	0.0064	<0.005					
3/25/2009					<0.005				<0.005
7/7/2009	<0.005	<0.005	<0.005	<0.005	<0.005				
7/8/2009						<0.005	<0.005	<0.005	<0.005
9/14/2009					<0.005				<0.005
12/20/2009	<0.005			<0.005	<0.005				<0.005
12/21/2009		<0.005	<0.005			<0.005	<0.005	<0.005	
3/4/2010					<0.005				<0.005
6/20/2010	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/21/2010									
9/14/2010					<0.005				<0.005
1/6/2011		<0.005		<0.005				<0.005	
1/7/2011	<0.005		<0.005		<0.005	<0.005	<0.005		<0.005
4/15/2011					<0.005				<0.005
7/7/2011	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
7/8/2011						<0.005			
9/25/2011					<0.005				<0.005
1/17/2012	<0.005	<0.005		0.0071	<0.005		<0.005	<0.005	<0.005
1/18/2012			<0.005			<0.005			
4/4/2012					<0.005				<0.005
7/9/2012	0.0052	<0.005		0.0076			<0.005	<0.005	<0.005
7/10/2012			<0.005		<0.005	<0.005			
10/9/2012					<0.005				<0.005
1/17/2013		<0.005		0.0086			<0.005	<0.005	
1/18/2013	0.0087		<0.005		<0.005	<0.005			<0.005
4/5/2013					<0.005				<0.005
7/16/2013		<0.005		<0.005			<0.005	<0.005	
7/17/2013	0.0084		<0.005		<0.005	<0.005			<0.005
10/11/2013					<0.005				<0.005
1/13/2014	0.0087	<0.005		0.0035 (J)			<0.005	<0.005	
1/14/2014			<0.005		<0.005	<0.005			<0.005
4/3/2014					<0.005				<0.005
7/8/2014							<0.005	<0.005	
7/9/2014	0.008	<0.005	<0.005	0.0022 (J)	<0.005	<0.005			<0.005
7/10/2014									
10/24/2014					<0.005				<0.005
1/12/2015									
1/13/2015	0.0077	<0.005		<0.005			<0.005	<0.005	
1/14/2015			<0.005		<0.005	<0.005			<0.005
5/10/2015					<0.005				<0.005
5/11/2015									
7/16/2015	0.0077	<0.005		0.0037 (J)			<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
7/17/2015			<0.005		<0.005	<0.005			<0.005
7/18/2015									
10/6/2015					<0.005				<0.005
1/17/2016				0.024					0.002 (J)
1/18/2016	0.014	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	
1/19/2016									
4/26/2016					0.0011 (J)				0.00183 (J)
7/26/2016								<0.005	
7/27/2016	0.0111	0.0008 (J)		0.0046 (J)			<0.005		0.0021 (J)
7/28/2016			0.0009 (J)		<0.005	<0.005			
7/29/2016									
8/30/2016		<0.005	<0.005	0.0023 (J)	<0.005				
8/31/2016						<0.005	<0.005	<0.005	
9/1/2016	0.0287								0.0024 (J)
10/24/2016					<0.005				
10/25/2016	0.0069			0.0035 (J)					<0.005
10/26/2016		<0.005	<0.005				<0.005	<0.005	
10/27/2016						<0.005			
1/3/2017		<0.005			<0.005				
1/4/2017				0.0018 (J)			<0.005		
1/5/2017			0.0021 (J)					<0.005	0.0024 (J)
1/6/2017	0.0097					<0.005			
4/3/2017					0.0006 (J)				
4/4/2017				0.0015 (J)					0.003 (J)
4/5/2017							0.0006 (J)		
4/6/2017	0.0104	0.0006 (J)	0.0011 (J)			<0.005		<0.005	
7/10/2017							0.0008 (J)		
7/11/2017					0.0006 (J)				0.0019 (J)
7/12/2017		0.0009 (J)	0.0014 (J)	0.0015 (J)		<0.005		<0.005	
7/13/2017	0.0064								
10/2/2017					0.0006 (J)				0.0026 (J)
10/3/2017		0.001 (J)	0.0014 (J)	0.0013 (J)					
10/4/2017	0.0078					<0.005	0.0009 (J)	<0.005	
1/9/2018	0.0091 (J)		0.0017 (J)		0.0009 (J)				0.0021 (J)
1/10/2018		0.0012 (J)		0.0023 (J)				0.0006 (J)	
1/11/2018						<0.005	<0.005		
7/9/2018					<0.005				0.0019 (J)
7/10/2018		0.0016 (J)	0.00063 (J)	0.0031 (J)					
7/11/2018	<0.005					<0.005	<0.005	<0.005	
1/16/2019	<0.005	0.0011 (J)	<0.005	0.0023 (J)	<0.005			<0.005	0.0016 (J)
1/17/2019							<0.005		
1/18/2019						<0.005			
1/21/2019									
3/25/2019	0.0029 (J)				<0.005				
3/26/2019		0.0014 (J)	0.0029 (J)	0.0032 (J)				0.00058 (J)	0.0023 (J)
3/27/2019						<0.005	<0.005		
7/30/2019									
8/26/2019	0.0041 (J)				<0.005				
8/27/2019			0.0035 (J)	0.0022 (J)			<0.005	<0.005	0.0017 (J)
8/28/2019		0.0023 (J)				<0.005			
10/7/2019					<0.005				
10/8/2019	0.003 (J)							<0.005	0.0017 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWB-5R	GWB-6R	GWC-1	GWA-8 (bg)	GWC-9	GWC-12	GWC-13	GWC-14
10/9/2019		0.0053 (J)	0.0018 (J)	0.0042 (J)		<0.005	<0.005		
4/6/2020	<0.005				0.00045 (J)				
4/7/2020		0.0011 (J)	<0.005	0.027			<0.005		0.0018 (J)
4/8/2020						0.00084 (J)		<0.005	
8/17/2020					<0.005		<0.005	<0.005	
8/18/2020									0.0012 (J)
8/19/2020	0.006 (J)	0.0019 (J)	0.0036 (J)	0.007		<0.005			
9/28/2020	<0.005			0.0058	<0.005			<0.005	
9/29/2020							<0.005		<0.005
9/30/2020		0.0017 (J)	0.004 (J)						
10/1/2020						<0.005			
3/10/2021		0.0019 (J)	0.0054	0.0055		<0.005	<0.005		
3/11/2021	0.0047 (J)								
3/12/2021					<0.005				
3/15/2021								<0.005	
3/16/2021									<0.005
9/21/2021	<0.005	<0.005	0.0054		<0.005		<0.005	<0.005	
9/22/2021						<0.005			0.0014 (J)
9/23/2021				0.0048 (J)					
1/31/2022	<0.005				<0.005				
2/1/2022									
2/2/2022			0.01			<0.005			0.0036 (J)
2/3/2022		0.0029 (J)		0.0057			0.0016 (J)	0.0025 (J)	
8/30/2022	0.00321 (J)	0.00253 (J)	0.00716		<0.005		<0.005		<0.005
8/31/2022								<0.005	
9/1/2022				0.00568		<0.005			
1/31/2023	0.0025 (J)				<0.005				
2/1/2023		0.00295 (J)	0.0042 (J)			<0.005	<0.005	<0.005	
2/2/2023				0.00433 (J)					0.00261 (J)
8/28/2023	0.0039 (J)				<0.005				
8/29/2023		0.00239 (J)	0.00724	0.00668		<0.005		<0.005	
9/6/2023							<0.005		0.00244 (J)
9/7/2023									
1/23/2024	0.00432 (J)		0.00451 (J)	0.00609	0.00216 (J)				
1/24/2024						<0.005			
1/25/2024							<0.005	<0.005	0.00216 (J)
2/7/2024									
2/8/2024		0.0071							
8/19/2024	0.00287 (J)								
8/20/2024			0.0056	0.0131					
8/21/2024		0.00237 (J)			<0.005	<0.005	<0.005	<0.005	<0.005
8/22/2024									
1/27/2025					0.00205 (J)				
1/28/2025	0.00469 (J)		0.00574						
1/29/2025		0.00216 (J)		0.00822		<0.005	<0.005	<0.005	<0.005
7/28/2025	0.00406 (J)				<0.005				
7/29/2025			0.00474 (J)	0.00906					
7/30/2025		0.00227 (J)				<0.005	<0.005	<0.005	0.00239 (J)
1/27/2026	0.00502			0.00776	<0.005				
1/28/2026		<0.005	0.00504			<0.005	<0.005	<0.005	<0.005

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-20	GWC-21	GWC-22	GWC-15
9/29/2000	0.094	<0.005	<0.005	<0.005					<0.01
11/21/2000	0.059	<0.005	<0.005	<0.005	<0.005				<0.01
1/20/2001	0.087	<0.005	<0.005	0.01	<0.005				<0.01
3/14/2001	0.075	<0.005	<0.005	<0.005	<0.005				<0.01
7/16/2001	0.11	<0.005	<0.005	<0.005	<0.005				<0.01
11/1/2001	0.098	<0.005	<0.005		<0.005				<0.01
11/2/2001				<0.005					
4/25/2002	0.071	<0.005			<0.005				<0.005
4/26/2002			<0.005	<0.005					
11/20/2002				0.0096					
11/21/2002	0.15	<0.005	<0.005						<0.005
11/22/2002					<0.005				
6/6/2003	1.2 (O)	<0.005		0.0076	<0.005				<0.005
6/7/2003			<0.005						
12/12/2003	0.27 (O)	<0.005	<0.005	0.0058	<0.005				<0.005
12/17/2003									
5/26/2004	0.12			0.0068					<0.005
5/27/2004		<0.005	<0.005		<0.005				
12/8/2004	0.098	<0.005			<0.005				<0.005
12/9/2004			<0.005						
12/10/2004				0.0066					
6/21/2005	0.065			<0.005					
6/22/2005			<0.005						
6/23/2005		<0.005			<0.005				<0.005
12/3/2005					<0.005				<0.005
12/4/2005	0.081		<0.005						
12/5/2005		<0.005		<0.005					
4/4/2006	0.077								
6/27/2006				<0.005					
6/28/2006			<0.005						
6/29/2006	0.071	<0.005			<0.005				<0.005
8/30/2006	0.08								
12/3/2006			<0.005						
12/4/2006	0.085	<0.005		<0.005	<0.005				<0.005
2/15/2007	0.09								
6/23/2007	0.12	<0.005	<0.005	<0.005	<0.005				<0.005
9/11/2007	0.088								
9/12/2007		<0.005		0.007	<0.005				<0.005
9/13/2007			<0.005						
9/14/2007									
11/6/2007	0.098	<0.005			<0.005				<0.005
11/7/2007				0.0058					
11/8/2007			<0.005						
12/11/2007			<0.005						
12/12/2007	0.088	<0.005		<0.005	<0.005				<0.005
1/15/2008			<0.005						
1/16/2008	<0.005	<0.005			<0.005				<0.005
1/17/2008				<0.005					
1/18/2008									
3/11/2008	0.071								
3/12/2008				0.0062	<0.005				<0.005
3/13/2008		<0.005	<0.005						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-20	GWC-21	GWC-22	GWC-15
6/3/2008			<0.005						
6/4/2008		<0.005							
6/5/2008	0.076			<0.005	<0.005				<0.005
6/23/2008			<0.005						
6/24/2008	0.097	<0.005		0.005	<0.005				<0.005
7/29/2008			<0.005						
7/30/2008				<0.005					
7/31/2008	0.1	<0.005			<0.005				<0.005
11/3/2008	0.089								
12/4/2008			<0.005		<0.005				
12/5/2008	0.092	<0.005		<0.005					<0.005
3/25/2009	0.095								
7/7/2009				<0.005					
7/8/2009	0.11	<0.005	<0.005		<0.005				0.0052
9/14/2009	0.099								
12/20/2009	0.1				<0.005				<0.005
12/21/2009		<0.005	<0.005	<0.005					
3/4/2010	0.074								
6/20/2010			<0.005		<0.005				0.0068
6/21/2010	0.056	<0.005		0.018		0.29	0.013	<0.005	
9/14/2010	0.067								
1/6/2011			<0.005		<0.005				
1/7/2011	0.066	<0.005		<0.005		0.2	<0.005	<0.005	<0.005
4/15/2011	0.08								
7/7/2011	0.054		<0.005		<0.005				<0.005
7/8/2011		<0.005		<0.005		0.19	<0.005	<0.005	
9/25/2011	0.085								
1/17/2012			<0.005		<0.005				<0.005
1/18/2012	0.089	<0.005		<0.005		0.058	<0.005	<0.005	
4/4/2012	0.0473								
7/9/2012			<0.005		<0.005				<0.005
7/10/2012	0.07	<0.005		0.0052		0.18	<0.005	<0.005	
10/9/2012	0.088								
1/17/2013			<0.005		<0.005				
1/18/2013	0.063	<0.005		<0.005		0.22	0.0061	<0.005	0.0089
4/5/2013	0.06								
7/16/2013			<0.005						
7/17/2013	0.063	<0.005		<0.005	<0.005	0.45	<0.005	<0.005	0.011
10/11/2013	0.059								
1/13/2014			<0.005		<0.005				0.017
1/14/2014	0.077	<0.005		0.0023 (J)		0.52	0.0061	<0.005	
4/3/2014	0.091								
7/8/2014			<0.005						
7/9/2014	0.08	<0.005		0.0023 (J)	<0.005		<0.005		0.014
7/10/2014						0.4		0.0027 (J)	
10/24/2014	0.073								
1/12/2015				0.0028 (J)		0.43			
1/13/2015			<0.005		<0.005				0.011
1/14/2015	0.079	<0.005					<0.005	<0.005	
5/10/2015									
5/11/2015	0.058								
7/16/2015	0.068		<0.005	<0.005	<0.005				0.02

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-20	GWC-21	GWC-22	GWC-15
7/17/2015							<0.005		
7/18/2015		<0.005				0.26		<0.005	
10/6/2015	0.078								
1/17/2016	0.089				<0.005	0.34	0.0065		0.014
1/18/2016		<0.005		<0.005				<0.005	
1/19/2016			<0.005						
4/26/2016	0.0731								
7/26/2016			<0.005						
7/27/2016					<0.005				0.0303
7/28/2016	0.0627					0.209	<0.005		
7/29/2016		0.0009 (J)		0.0014 (J)				0.002 (J)	
8/30/2016									
8/31/2016			<0.005		<0.005			0.0017 (J)	
9/1/2016	0.0551	<0.005		0.0033 (J)		0.215	0.0039 (J)		0.0533
10/24/2016									
10/25/2016	0.0466					0.307	<0.005		0.0551
10/26/2016		<0.005	<0.005	0.0016 (J)	<0.005			<0.005	
10/27/2016									
1/3/2017									
1/4/2017	0.0444		<0.005			0.311	<0.005	<0.005	
1/5/2017		<0.005			<0.005				0.0437
1/6/2017				<0.005					
4/3/2017									0.0713
4/4/2017				0.0021 (J)	<0.005	0.317	0.0031 (J)		
4/5/2017	0.0591	0.0011 (J)							
4/6/2017			<0.005					0.0006 (J)	
7/10/2017									
7/11/2017			<0.005			0.299		0.0012 (J)	0.0745
7/12/2017	0.0776			0.0015 (J)					
7/13/2017		0.0016 (J)			<0.005		<0.005		
10/2/2017						0.216			0.0723
10/3/2017	0.0813		<0.005		<0.005		<0.005		
10/4/2017		0.0019 (J)		0.0018 (J)				0.0025 (J)	
1/9/2018							0.0033 (J)		0.0731
1/10/2018	0.085				0.0006 (J)	0.347			
1/11/2018		0.0015 (J)	<0.005	0.0015 (J)				0.0006 (J)	
7/9/2018						0.37			
7/10/2018	0.067				<0.005		0.0027 (J)		0.09
7/11/2018		0.00082 (J)	<0.005	0.00095 (J)				0.0011 (J)	
1/16/2019		<0.005		0.0024 (J)					
1/17/2019	0.079		<0.005				0.0022 (J)		0.13
1/18/2019								<0.005	
1/21/2019					<0.005	0.44			
3/25/2019				0.0029 (J)		0.41			
3/26/2019	0.089	0.0015 (J)					0.0045 (J)		0.1
3/27/2019			<0.005					<0.005	
7/30/2019					0.00039 (J)				
8/26/2019									
8/27/2019			<0.005	0.0023 (J)	<0.005			0.00044 (J)	0.17
8/28/2019	0.091	0.0011 (J)				0.43	0.002 (J)		
10/7/2019									
10/8/2019	0.088		<0.005				0.0028 (J)		0.13

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-11	GWB-4R	GWC-2	GWC-20	GWC-21	GWC-22	GWC-15
10/9/2019		0.0011 (J)		0.0024 (J)	<0.005	0.35		<0.005	
4/6/2020									
4/7/2020	0.091		<0.005	0.0027 (J)			<0.005	0.00043 (J)	0.24
4/8/2020		0.0013 (J)			0.00094 (J)	0.33			
8/17/2020									
8/18/2020	0.045	<0.005	<0.005		<0.005	0.3	0.0059	<0.005	0.28
8/19/2020				0.0033 (J)					
9/28/2020									
9/29/2020			<0.005		<0.005				
9/30/2020	0.044	0.0012 (J)				0.31	0.0029 (J)	<0.005	0.24
10/1/2020				0.0027 (J)					
3/10/2021			<0.005	0.0025 (J)				<0.005	
3/11/2021		0.0009 (J)							
3/12/2021						0.27			0.16
3/15/2021					<0.005				
3/16/2021	0.064						0.0098		
9/21/2021			<0.005	0.0027 (J)				<0.005	
9/22/2021	0.081	<0.005			<0.005	0.23	<0.005		
9/23/2021									0.21
1/31/2022									
2/1/2022	0.095	<0.005				0.22	0.02		
2/2/2022				0.0036 (J)	<0.005				
2/3/2022			<0.005					<0.005	0.23
8/30/2022				0.0049 (J)		0.465	0.0271		
8/31/2022		<0.005	<0.005					<0.005	0.259
9/1/2022	0.0987				<0.005				
1/31/2023									
2/1/2023	0.115	<0.005	<0.005			0.389			
2/2/2023				0.00556	<0.005		0.0323	<0.005	0.207
8/28/2023									
8/29/2023		<0.005		0.0057	<0.005			0.00216 (J)	
9/6/2023	0.12		0.00254 (J)			0.258	0.0323		
9/7/2023									0.287
1/23/2024								<0.005	
1/24/2024		<0.005	<0.005			0.552			0.177
1/25/2024	0.131				<0.005		0.0319		
2/7/2024				0.00903					
2/8/2024									
8/19/2024									
8/20/2024				0.00377 (J)					
8/21/2024	0.131	<0.005	<0.005		<0.005	0.423		<0.005	0.183
8/22/2024							0.00929		
1/27/2025									
1/28/2025		0.00286 (J)	0.00241 (J)	0.00703				<0.005	
1/29/2025	0.143				<0.005	0.196	0.0307		0.253
7/28/2025				0.00507					
7/29/2025		<0.005	<0.005			0.186		<0.005	
7/30/2025	0.17				<0.005		0.028		0.325
1/27/2026			<0.005	0.00618		0.288			0.235
1/28/2026	0.202	<0.005			<0.005		0.0428	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWB-5R	GWC-16	GWB-6R	GWC-15	GWC-1	GWC-14
9/29/2000	0.11	0.16	0.16	0.22	0.076	0.16	0.028	0.044	0.11
11/21/2000	0.12	0.17	0.16	0.13	0.075	0.21	0.035	0.047	0.15
1/20/2001	0.11	0.16	0.21	0.19	0.053	0.23	0.032	0.051	0.1
3/14/2001	0.11	0.17	0.18	0.27	0.055	0.22	0.036	0.048	0.095
7/16/2001	0.11	0.19	0.18	0.37	0.041	0.22	0.036	0.054	0.28 (O)
11/1/2001	0.11	0.18			0.045		0.036	0.063	0.16
11/2/2001			0.15	0.61 (O)		0.23			
4/25/2002		0.15			0.055		0.045	0.032	0.054
4/26/2002	0.058		0.16	0.19		0.15			
6/6/2003	0.19	0.13	0.29	0.72 (O)	0.48 (O)	0.13	0.083	0.046	0.063
6/7/2003									
12/12/2003	0.1	0.18	0.18	0.054	0.13	0.034	0.094		0.041
12/17/2003								0.034	
5/26/2004	0.084		0.16	0.18	0.055	0.13	0.034	0.035	
5/27/2004		0.17							0.059
12/8/2004	0.094	0.19			0.072		0.042	0.024	0.076
12/9/2004									
12/10/2004			0.16	0.24		0.13			
6/21/2005	0.089		0.15	0.2	0.061	0.07		0.039	
6/22/2005									
6/23/2005		0.18					0.039		0.042
12/3/2005	0.089						0.043		0.048
12/4/2005					0.047			0.042	
12/5/2005		0.17	0.15	0.074		0.04			
4/4/2006					0.042				0.05
6/27/2006	0.096		0.19	0.075				0.033	
6/28/2006									
6/29/2006		0.17			0.042	0.041	0.031		0.036
8/30/2006					0.05				0.059
12/3/2006	0.092								
12/4/2006		0.21	0.26	0.092	0.044	0.042	0.043	0.04	0.062
2/15/2007					0.041				0.079
6/23/2007	0.08	0.17	0.24	0.089	0.044	0.12	0.031	0.044	0.03
9/11/2007					0.04				0.053
9/12/2007		0.18	0.31	0.087			0.044	0.054	
9/13/2007									
9/14/2007	0.078					0.11			
11/6/2007		0.19			0.035		0.04		0.065
11/7/2007			0.24	0.074				0.059	
11/8/2007	0.067					0.11			
12/11/2007	0.067					0.12			
12/12/2007		0.18	0.21	0.072	0.0035		0.044	0.049	0.075
1/15/2008									
1/16/2008		0.18			0.092		0.041		0.038
1/17/2008			0.13	0.07		0.03		0.058	
1/18/2008	0.071								
3/11/2008					0.034				0.052
3/12/2008			0.24				0.034	0.052	
3/13/2008	0.061	0.17		0.059		0.11			
6/3/2008									
6/4/2008	0.06	0.2		0.046				0.04	
6/5/2008			0.11		0.043	0.03	0.037		0.076

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWB-5R	GWC-16	GWB-6R	GWC-15	GWC-1	GWC-14
6/23/2008	0.056								
6/24/2008		0.14	0.13	0.049	0.042	0.17	0.057	0.038	0.039
7/29/2008	0.055								
7/30/2008			0.1	0.065		0.1			
7/31/2008		0.12			0.042		0.036	0.047	0.033
11/3/2008					0.049				0.082
12/4/2008	0.054								0.079
12/5/2008		0.19	0.12	0.067	0.05	0.093	0.041	0.06	
3/25/2009					0.052				0.093
7/7/2009	0.034		0.17	0.04		0.06		0.043	
7/8/2009		0.2			0.046		0.058		0.039
9/14/2009					0.048				0.061
12/20/2009	0.034				0.062		0.062	0.065	0.088
12/21/2009		0.23	0.2	0.044		0.11			
3/4/2010					0.058				0.077
6/20/2010	0.062			0.036		0.11	0.03	0.095	0.075
6/21/2010		0.25	0.22		0.041				
9/14/2010					0.036				0.093
1/6/2011				0.075				0.093	
1/7/2011	0.039	0.21	0.12		0.054	0.025	0.049		0.13
4/15/2011					0.049				0.086
7/7/2011	0.036			0.13	0.063	0.025	0.05	0.095	0.051
7/8/2011		0.13	0.15						
9/25/2011					0.037				0.056
1/17/2012	0.041			0.21			0.044	0.1	0.052
1/18/2012		0.26	0.15		0.034	0.03			
4/4/2012					0.0446				0.0519
7/9/2012	0.15			0.2			0.045	0.11	0.048
7/10/2012		0.19	0.14		0.033	0.028			
10/9/2012					0.041				0.065
1/17/2013				0.19				0.12	
1/18/2013	0.15	0.17	0.15		0.036	0.058	0.049		0.045
4/5/2013					0.036				0.047
7/16/2013				0.076				0.081	
7/17/2013	0.13	0.18	0.14		0.054	0.086	0.039		0.032
10/11/2013					0.052				0.028
1/13/2014	0.16			0.14			0.038	0.096	
1/14/2014		0.18	0.16		0.051	0.1			0.036
4/3/2014					0.047				0.038
7/8/2014									
7/9/2014	0.11	0.16	0.12	0.12	0.08	0.082	0.031	0.066	0.03
7/10/2014									
10/24/2014					0.072				0.025
1/12/2015			0.13						
1/13/2015	0.083			0.13			0.041	0.068	
1/14/2015		0.16			0.047	0.094			0.04
5/10/2015									0.026
5/11/2015					0.053				
7/16/2015	0.094		0.11	0.12	0.059		0.041	0.07	
7/17/2015						0.11			0.029
7/18/2015		0.012							
10/6/2015					0.053				0.03

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWB-5R	GWC-16	GWB-6R	GWC-15	GWC-1	GWC-14
1/17/2016					0.056		0.048	0.062	0.038
1/18/2016	0.22	0.13	0.095	0.12		0.11			
1/19/2016									
4/26/2016					0.0721				0.025
7/26/2016									
7/27/2016	0.192			0.112			0.0487	0.0417	0.0248
7/28/2016					0.0534	0.105			
7/29/2016		0.181	0.0883						
8/30/2016				0.135		0.106		0.0545	
8/31/2016									
9/1/2016	0.415 (O)	0.203	0.123		0.0445		0.0403		0.0346
10/24/2016									
10/25/2016	0.173				0.0464		0.0329	0.0504	0.0248
10/26/2016		0.177	0.0863	0.103		0.107			
10/27/2016									
1/3/2017				0.118					
1/4/2017					0.0379			0.0534	
1/5/2017		0.142				0.107	0.0392		0.0245
1/6/2017	0.167		0.0758						
4/3/2017							0.0439		
4/4/2017			0.091					0.0549	0.0342
4/5/2017		0.106			0.0534				
4/6/2017	0.136			0.162		0.111			
7/10/2017									
7/11/2017							0.051		0.0276
7/12/2017			0.0941	0.157	0.0944	0.106		0.0614	
7/13/2017	0.0891	0.0686							
10/2/2017							0.047		0.0274
10/3/2017				0.127	0.135	0.105		0.0436	
10/4/2017	0.113	0.0589	0.0994						
1/9/2018	0.0901					0.0969	0.0431		0.0222
1/10/2018				0.158	0.0603			0.053	
1/11/2018		0.0412	0.088						
7/9/2018									0.026
7/10/2018				0.31	0.16	0.087	0.047	0.059	
7/11/2018	0.065	0.049	0.071						
1/16/2019	0.062	0.063	0.083	0.054		0.013 (J)		0.054	0.028
1/17/2019					0.13		0.042		
1/18/2019									
1/21/2019									
3/25/2019	0.054		0.077						
3/26/2019		0.025		0.057	0.14	0.012 (J)	0.047	0.055	0.034
3/27/2019									
7/30/2019									
8/26/2019	0.11								
8/27/2019			0.076			0.013	0.049	0.054	0.067
8/28/2019		0.026		0.1	0.09				
10/7/2019									
10/8/2019	0.1				0.13		0.057		0.085
10/9/2019		0.032	0.076	0.13		0.014 (J)		0.058	
4/6/2020	0.072								
4/7/2020			0.09	0.098	0.13	0.01 (J)	0.033	0.05	0.073

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWB-5R	GWC-16	GWB-6R	GWC-15	GWC-1	GWC-14
4/8/2020		0.055							
8/17/2020									
8/18/2020		0.074			0.32		0.03		0.028
8/19/2020	0.1		0.076	0.1		0.064		0.057	
9/28/2020	0.095							0.051	
9/29/2020									0.026
9/30/2020		0.035		0.16	0.14	0.092	0.034		
10/1/2020			0.077						
3/10/2021			0.07	0.096		0.027		0.052	
3/11/2021	0.07	0.044							
3/12/2021							0.038		
3/15/2021									
3/16/2021					0.16				0.037
9/21/2021	0.073		0.098	0.076		0.077			
9/22/2021		0.058			0.26				0.11
9/23/2021							0.062	0.062	
1/31/2022	0.1								
2/1/2022		0.055			0.23				
2/2/2022			0.17			0.026			0.1
2/3/2022				0.062			0.061	0.051	
8/30/2022	0.133		0.134	0.051		0.0266			0.0773
8/31/2022		0.0375					0.055		
9/1/2022					0.165			0.0583	
1/31/2023	0.126								
2/1/2023		0.0262		0.101	0.163	0.0233			
2/2/2023			0.101				0.0557	0.0466	0.0617
8/28/2023	0.177								
8/29/2023		0.0295	0.16	0.0643		0.0196		0.0637	
9/6/2023					0.143				0.0833
9/7/2023							0.0573		
1/23/2024	0.236					0.0239		0.0531	
1/24/2024		0.029					0.0529		
1/25/2024					0.119				0.0418
2/7/2024			0.178						
2/8/2024				0.168					
8/19/2024	0.201								
8/20/2024			0.214			0.028		0.0452	
8/21/2024		0.0254		0.0921	0.111		0.0541		0.0355
8/22/2024									
1/27/2025									
1/28/2025	0.203	0.0275	0.166			0.0197			
1/29/2025				0.153	0.129		0.0616	0.0531	0.108
7/28/2025	0.209		0.202						
7/29/2025		0.0311				0.0207		0.0467	
7/30/2025				0.129	0.105		0.0553		0.0931
1/27/2026	0.221		0.136				0.0775	0.056	
1/28/2026		0.0355		0.126	0.12	0.0263			0.084

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWA-8 (bg)	GWC-11	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
9/29/2000	<0.005	0.093	0.16	0.1	0.075				
11/21/2000	0.01	0.095		0.082	0.072	0.046			
1/20/2001	<0.005	0.089	0.18	0.083	0.086	0.036			
3/14/2001	0.01	0.088	0.14	0.075	0.088	0.03			
7/16/2001	<0.005	0.096	0.14	0.091	0.084	0.032			
11/1/2001	<0.005		0.14	0.068	0.13	0.029			
11/2/2001		0.094							
4/25/2002						0.021			
4/26/2002	<0.005	0.085	0.088	0.066	0.24 (O)				
6/6/2003			0.14			0.032			
6/7/2003	0.028	0.09		0.085	0.28 (O)				
12/12/2003	0.019	0.084	0.13	0.072	0.27 (O)	0.021			
12/17/2003									
5/26/2004			0.09						
5/27/2004	<0.005	0.08		0.055	0.31 (O)	0.035			
12/8/2004			0.11		0.46 (O)	0.031			
12/9/2004	0.009	0.098		0.066					
12/10/2004									
6/21/2005			0.084						
6/22/2005	0.0089	0.084		0.033	0.053				
6/23/2005						0.028			
12/3/2005			0.1			0.024			
12/4/2005				0.034					
12/5/2005	0.026	0.07			0.1				
4/4/2006			0.089						
6/27/2006			0.1						
6/28/2006				0.029					
6/29/2006	0.029	0.083			0.098	0.03			
8/30/2006			0.12						
12/3/2006	0.017	0.072	0.086	0.02	0.068				
12/4/2006						0.031			
2/15/2007			0.088						
6/23/2007	0.014	0.087	0.089	0.017	0.042	0.037			
9/11/2007			0.092						
9/12/2007						0.036			
9/13/2007	0.0097	0.082		0.014	0.037				
9/14/2007									
11/6/2007						0.036			
11/7/2007	0.01				0.04				
11/8/2007		0.084	0.085	0.015					
12/11/2007	0.011	0.082	0.077	0.013	0.04				
12/12/2007						0.034			
1/15/2008	0.011			0.014	0.04				
1/16/2008		0.081				0.031			
1/17/2008									
1/18/2008			0.084						
3/11/2008	0.01		0.082		0.034				
3/12/2008		0.081				0.031			
3/13/2008				0.013					
6/3/2008	0.028			0.012	0.034				
6/4/2008		0.1	0.072						
6/5/2008						0.037			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWA-8 (bg)	GWC-11	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
6/23/2008	0.018	0.1	0.086	0.012	0.041				
6/24/2008						0.038			
7/29/2008		0.089	0.084	0.01					
7/30/2008	0.016				0.033				
7/31/2008						0.036			
11/3/2008			0.088						
12/4/2008	0.019	0.12	0.081	0.011	0.035	0.038			
12/5/2008									
3/25/2009			0.069						
7/7/2009			0.078						
7/8/2009	0.011	0.14		0.012	0.036	0.053			
9/14/2009			0.079						
12/20/2009			0.081			0.047			
12/21/2009	0.01	0.15		0.011	0.028				
3/4/2010			0.065						
6/20/2010	0.0081	0.21	0.078	0.0089	0.025	0.046			
6/21/2010							0.16	0.062	0.11
9/14/2010			0.076						
1/6/2011	0.012			0.014		0.063			
1/7/2011		0.2	0.074		0.037		0.095	0.039	0.12
4/15/2011			0.065						
7/7/2011	0.015		0.081	0.018	0.039	0.06			
7/8/2011		0.18					0.1	0.043	0.094
9/25/2011			0.078						
1/17/2012	0.0086		0.082	0.23	0.045	0.06			
1/18/2012		0.18					0.12	0.042	0.087
4/4/2012			0.0861						
7/9/2012	0.01			0.17	0.032	0.05			
7/10/2012		0.16	0.082				0.097	0.039	0.1
10/9/2012			0.09						
1/17/2013	0.014			0.2	0.033	0.058			
1/18/2013		0.19	0.083				0.1	0.04	0.078
4/5/2013			0.078						
7/16/2013	0.012			0.11	0.027				
7/17/2013		0.17	0.083			0.041	0.069	0.055	0.062
10/11/2013			0.078						
1/13/2014	0.015			0.083	0.027	0.058			
1/14/2014		0.2	0.081				0.086	0.059	0.073
4/3/2014			0.077						
7/8/2014	0.017			0.066	0.037				
7/9/2014		0.16	0.073			0.048	0.065		
7/10/2014								0.067	0.13
10/24/2014			0.087						
1/12/2015								0.061	
1/13/2015	0.019			0.053	0.023	0.048			
1/14/2015		0.17	0.079				0.084		0.065
5/10/2015			0.076						
5/11/2015									
7/16/2015	0.022			0.052	0.03	0.048			
7/17/2015		0.18	0.061				0.071		
7/18/2015								0.13	0.073
10/6/2015			0.067						

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWA-8 (bg)	GWC-11	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
1/17/2016						0.049	0.079	0.08	
1/18/2016	0.026	0.2	0.068		0.032				0.062
1/19/2016				0.048					
4/26/2016			0.0596						
7/26/2016	0.0236			0.051					
7/27/2016					0.0191	0.0796			
7/28/2016		0.234	0.0701				0.0626	0.164	
7/29/2016									0.0575
8/30/2016			0.0687						
8/31/2016	0.0273	0.284		0.0565	0.019	0.0429			0.0693
9/1/2016							0.077	0.0976	
10/24/2016			0.07						
10/25/2016							0.0217	0.0702	
10/26/2016	0.0238			0.0591	0.0197	0.113 (O)			0.0966
10/27/2016		0.244							
1/3/2017			0.061						
1/4/2017				0.0598	0.0174		0.0617	0.0999	0.0975
1/5/2017	0.0218					0.0526			
1/6/2017		0.305							
4/3/2017			0.0612						
4/4/2017						0.0503	0.0761	0.136	
4/5/2017					0.0174				
4/6/2017	0.0204	0.249		0.0813					0.064
7/10/2017					0.0172				
7/11/2017			0.0624	0.0302				0.145	0.0778
7/12/2017	0.0161	0.256							
7/13/2017						0.0529	0.0428		
10/2/2017			0.0618					0.148	
10/3/2017				0.103		0.057	0.0376		
10/4/2017	0.0185	0.356			0.0162				0.156
1/9/2018			0.0574				0.0704		
1/10/2018	0.0166					0.0527		0.0788	
1/11/2018		0.226		0.166	0.018				0.0702
7/9/2018			0.056					0.087	
7/10/2018						0.054	0.061		
7/11/2018	0.019	0.29		0.12	0.014				0.12
1/16/2019	0.019		0.062						
1/17/2019				0.039	0.017		0.061		
1/18/2019		0.21							0.052
1/21/2019						0.05		0.069	
3/25/2019			0.064					0.085	
3/26/2019	0.026						0.084		
3/27/2019		0.19		0.053	0.017				0.057
7/30/2019						0.052			
8/26/2019			0.065						
8/27/2019	0.024			0.12	0.017	0.053			0.097
8/28/2019		0.17					0.063	0.078	
10/7/2019			0.069						
10/8/2019	0.024			0.13			0.079		
10/9/2019		0.18			0.019	0.05		0.078	0.065
4/6/2020			0.057						
4/7/2020				0.14	0.017		0.054		0.1

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWA-8 (bg)	GWC-11	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
4/8/2020	0.027	0.15				0.061		0.19	
8/17/2020	0.024		0.051		0.018				
8/18/2020				0.12		0.05	0.18	0.38	0.085
8/19/2020		0.17							
9/28/2020	0.029		0.05						
9/29/2020				0.14	0.018	0.049			
9/30/2020							0.19	0.35	0.045
10/1/2020		0.15							
3/10/2021		0.15		0.13	0.028				0.049
3/11/2021									
3/12/2021			0.052					0.34	
3/15/2021	0.034					0.053			
3/16/2021							0.18		
9/21/2021	0.037		0.049	0.12	0.023				0.036
9/22/2021		0.15				0.047	0.046	0.42	
9/23/2021									
1/31/2022			0.051						
2/1/2022							0.24	0.36	
2/2/2022		0.15				0.052			
2/3/2022	0.038			0.17	0.025				0.038
8/30/2022			0.0512		0.0275		0.191	0.21	
8/31/2022	0.0379			0.115					0.0741
9/1/2022		0.151				0.0508			
1/31/2023			0.0499						
2/1/2023	0.0367	0.128		0.146	0.0256			0.194	
2/2/2023						0.0461	0.196		0.0456
8/28/2023			0.0483						
8/29/2023	0.0712	0.138				0.0452			0.127
9/6/2023				0.192	0.0273		0.232	0.178	
9/7/2023									
1/23/2024			0.0571						0.0372
1/24/2024		0.134		0.146				0.109	
1/25/2024	0.0607				0.0267	0.0505	0.203		
2/7/2024									
2/8/2024									
8/19/2024									
8/20/2024									
8/21/2024	0.0526	0.149	0.0576	0.126	0.0236	0.0506		0.226	0.0362
8/22/2024							0.291		
1/27/2025			0.0536						
1/28/2025				0.132					0.0297
1/29/2025	0.055	0.163			0.0209	0.0486	0.26	0.278	
7/28/2025			0.0537						
7/29/2025				0.111				0.297	0.199
7/30/2025	0.0564	0.173			0.019	0.0484	0.172		
1/27/2026			0.0524	0.137				0.301	
1/28/2026	0.0608	0.194			0.0235	0.0507	0.254		0.165

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
9/29/2000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.016	<0.01
11/21/2000	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.023	<0.01
1/20/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025	<0.01
3/14/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.021	<0.01
7/16/2001	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.019	<0.01
11/1/2001	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01		<0.01
11/2/2001				<0.01				0.022	
4/25/2002					<0.01	<0.01	<0.01		<0.01
4/26/2002	<0.01	<0.01	<0.01	<0.01				0.019	
11/20/2002						<0.01		0.024	
11/21/2002		0.006		0.014	0.014		0.0058		0.0041
11/22/2002			<0.01						
6/6/2003	0.037				<0.01	0.005	0.0068	0.021	0.063 (O)
6/7/2003		0.0082	0.003	<0.01					
12/12/2003	0.0044	0.0023	<0.01	<0.01	<0.01		0.0041	0.0066	0.0059
12/17/2003						<0.01			
5/26/2004	<0.01					<0.01	<0.01	0.013	<0.01
5/27/2004		<0.01	<0.01	<0.01	<0.01				
12/8/2004	<0.01				<0.01	<0.01	0.0026		<0.01
12/9/2004		<0.01	<0.01	0.0039					
12/10/2004								0.013	
6/21/2005	<0.01					<0.01		0.0067	<0.01
6/22/2005		<0.01	<0.01	0.002					
6/23/2005					<0.01		<0.01		
12/3/2005	<0.01				<0.01		<0.01		
12/4/2005		<0.01				0.002			<0.01
12/5/2005			<0.01	<0.01				0.0033	
4/4/2006					<0.01				<0.01
6/27/2006	<0.01					<0.01			
6/28/2006		<0.01							
6/29/2006			<0.01	<0.01	<0.01		0.0013	0.0047	<0.01
8/30/2006					<0.01				<0.01
12/3/2006	0.0015	0.0021	0.0017	0.0019					
12/4/2006					0.0042	<0.01	<0.01	0.0084	0.0036
2/15/2007					<0.01				<0.01
6/23/2007	<0.01	0.0017	<0.01	0.0015	<0.01	<0.01	<0.01	0.01	0.0016
9/11/2007					<0.01				<0.01
9/12/2007						<0.01	<0.01		
9/13/2007		0.0014	0.0013	0.0016					
9/14/2007	0.0023							0.0062	
11/6/2007					<0.01		0.0014		<0.01
11/7/2007			<0.01			<0.01			
11/8/2007	0.003	<0.01		0.0014				0.01	
12/11/2007	0.0016	<0.01	<0.01	<0.01				0.0049	
12/12/2007					<0.01	<0.01	<0.01		<0.01
1/15/2008		<0.01	0.0014						
1/16/2008				0.0015	<0.01		<0.01		0.0048
1/17/2008						<0.01		0.007	
1/18/2008	0.002								
3/11/2008			<0.01		<0.01				<0.01
3/12/2008				<0.01		<0.01	<0.01		
3/13/2008	0.0018	<0.01						0.0072	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
6/3/2008		<0.01	<0.01						
6/4/2008	0.0037			0.0027		0.0014			
6/5/2008					0.0038		<0.01	0.0062	<0.01
6/23/2008	0.0019	<0.01	<0.01	0.0015					
6/24/2008					<0.01	<0.01	0.0014	0.032 (O)	<0.01
7/29/2008	0.0026	<0.01		<0.01					
7/30/2008			<0.01					0.0098	
7/31/2008					<0.01	<0.01	<0.01		0.0018
11/3/2008					<0.01				0.0025
12/4/2008	<0.01	<0.01	<0.01	<0.01	<0.01				
12/5/2008						<0.01	<0.01	0.009	<0.01
3/25/2009					<0.01				<0.01
7/7/2009	0.0037					0.0013		0.0044	
7/8/2009		<0.01	<0.01	<0.01	<0.01		<0.01		<0.01
9/14/2009					<0.01				<0.01
12/20/2009	0.0016				<0.01	<0.01	<0.01		<0.01
12/21/2009		<0.01	<0.01	<0.01				0.0055	
3/4/2010					<0.01				<0.01
6/20/2010	<0.01	<0.01	<0.01	0.0015	<0.01	<0.01	<0.01	0.002	
6/21/2010									<0.01
9/14/2010					<0.01				<0.01
1/6/2011		<0.01	<0.01			<0.01			
1/7/2011	0.0033			<0.01	0.0016		<0.01	0.0039	0.0018
4/15/2011					0.0034				<0.01
7/7/2011	0.0044	0.0023	0.0019		<0.01	<0.01	<0.01	0.0031	<0.01
7/8/2011				<0.01					
9/25/2011					0.0013				<0.01
1/17/2012	0.0038	<0.01	<0.01		<0.01	<0.01	<0.01		
1/18/2012				<0.01				0.0023	<0.01
4/4/2012					<0.01				<0.01
7/9/2012	0.022	0.0017	<0.01		<0.01	<0.01	<0.01		
7/10/2012				<0.01				0.0022	<0.01
10/9/2012					0.0019				0.0018
1/17/2013		<0.01	<0.01			<0.01			
1/18/2013	0.034			<0.01	0.0017		<0.01	<0.01	<0.01
4/5/2013					0.0019				<0.01
7/16/2013		<0.01	<0.01			<0.01			
7/17/2013	0.032			<0.01	0.0017		<0.01	<0.01	<0.01
10/11/2013					0.0013				<0.01
1/13/2014	0.04	<0.01	<0.01			<0.01	<0.01		
1/14/2014				<0.01	0.0014			0.0012 (J)	<0.01
4/3/2014					0.0031				<0.01
7/8/2014		<0.01	<0.01						
7/9/2014	0.036			0.0011 (J)	0.0012 (J)	0.0011 (J)	<0.01	<0.01	<0.01
7/10/2014									
10/24/2014					<0.01				<0.01
1/12/2015									
1/13/2015	0.03	<0.01	<0.01			<0.01	<0.01		
1/14/2015				<0.01	0.0013			0.0015	<0.01
5/10/2015					<0.01				
5/11/2015									<0.01
7/16/2015	0.039	<0.01	<0.01			0.0011 (J)	<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
7/17/2015				0.0013	0.001 (J)			0.0011 (J)	
7/18/2015									
10/6/2015					<0.01				<0.01
1/17/2016					0.0012 (J)	<0.01	<0.01		<0.01
1/18/2016	0.068		<0.01	<0.01				0.0011 (J)	
1/19/2016		<0.01							
4/26/2016					<0.01				<0.01
7/26/2016		0.0005 (J)	<0.01						
7/27/2016	0.05 (J)				0.0008 (J)	0.0016 (J)	0.0007 (J)		
7/28/2016				0.0011 (J)				0.001 (J)	0.0006 (J)
7/29/2016									
8/30/2016						0.0015 (J)		0.0013 (J)	
8/31/2016		0.001 (J)	0.0011 (J)	0.0024 (J)					
9/1/2016	0.119 (O)				0.0015 (J)		0.0011 (J)		0.0011 (J)
10/24/2016									
10/25/2016	0.0519				<0.01	0.0018 (J)	<0.01		<0.01
10/26/2016		<0.01	<0.01					0.0014 (J)	
10/27/2016				<0.01					
1/3/2017									
1/4/2017		<0.01				0.0021 (J)			<0.01
1/5/2017			<0.01		0.001 (J)		<0.01	0.002 (J)	
1/6/2017	0.0536			<0.01					
4/3/2017							0.0015 (J)		
4/4/2017					0.001 (J)	0.002 (J)			
4/5/2017									0.001 (J)
4/6/2017	0.0447 (J)	0.0007 (J)	0.0011 (J)	0.0019 (J)				0.0034 (J)	
7/10/2017									
7/11/2017		0.0006 (J)			0.0008 (J)		0.0013 (J)		
7/12/2017			0.0007 (J)	0.0011 (J)		0.0021 (J)		0.0024 (J)	0.0011 (J)
7/13/2017	0.0269								
10/2/2017					0.0009 (J)		0.0013 (J)		
10/3/2017		0.0007 (J)				0.0014 (J)		0.0022 (J)	0.0009 (J)
10/4/2017	0.0378		0.0008 (J)	0.0011 (J)					
1/9/2018	0.0283 (J)				0.0006 (J)		0.0012 (J)	0.0019 (J)	
1/10/2018			0.0007 (J)			0.0017 (J)			0.0007 (J)
1/11/2018		0.0098 (J)		0.001 (J)					
7/9/2018					<0.01				
7/10/2018						0.0021 (J)	<0.01	0.0023 (J)	<0.01
7/11/2018	0.018 (J)	<0.01	0.0019 (J)	<0.01					
1/16/2019	0.018 (J)		<0.01		<0.01	0.0021 (J)		0.018 (J)	
1/17/2019		<0.01					<0.01		0.01 (J)
1/18/2019				<0.01					
1/21/2019									
3/25/2019	0.017 (J)								
3/26/2019			<0.01		<0.01	0.0018 (J)	<0.01	0.017 (J)	<0.01
3/27/2019		<0.01		<0.01					
7/30/2019									
8/26/2019	0.024 (J)								
8/27/2019		0.00092 (J)	<0.01		0.001 (J)	0.0062 (J)	0.0016 (J)	0.0097 (J)	
8/28/2019				0.00089 (J)					0.0011 (J)
10/7/2019									
10/8/2019	0.021 (J)	0.00091 (J)	<0.01		0.00053 (J)		0.0017 (J)		0.00099 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-11	GWC-13	GWC-9	GWC-14	GWC-1	GWC-15	GWB-6R	GWC-16
10/9/2019				0.0009 (J)		0.0019 (J)		0.011 (J)	
4/6/2020	0.015 (J)								
4/7/2020		0.00094 (J)			0.00074 (J)	0.0015 (J)	0.0014 (J)	0.0094 (J)	<0.01
4/8/2020			0.00058 (J)	0.0015 (J)					
8/17/2020			0.00077 (J)						
8/18/2020		0.0015 (J)			0.00059 (J)		0.0018 (J)		0.0012 (J)
8/19/2020	0.015 (J)			0.0013 (J)		0.0028 (J)		0.0037 (J)	
9/28/2020	0.014 (J)		0.00062 (J)			0.0024 (J)			
9/29/2020		0.0011 (J)			<0.01				
9/30/2020							0.0016 (J)	0.0045 (J)	0.00098 (J)
10/1/2020				0.0012 (J)					
3/10/2021		0.0013 (J)		0.0011 (J)		0.0023 (J)		0.006	
3/11/2021	0.02 (J)								
3/12/2021							0.0031 (J)		
3/15/2021			<0.01						
3/16/2021					<0.01				0.0012 (J)
9/21/2021	0.013 (J)	<0.01	<0.01					0.0035 (J)	
9/22/2021				<0.01	<0.01				0.0018 (J)
9/23/2021						0.0023 (J)	0.0013 (J)		
1/31/2022	0.015 (J)								
2/1/2022									<0.01
2/2/2022				0.0012 (J)	<0.01			0.0033 (J)	
2/3/2022		0.0011 (J)	<0.01			0.0019 (J)	0.0016 (J)		
8/30/2022	0.0129				<0.01			0.00356 (J)	
8/31/2022		<0.01	<0.01				<0.01		
9/1/2022				<0.01		<0.01			<0.01
1/31/2023	0.0112								
2/1/2023		<0.01	<0.01	<0.01				0.00365 (J)	<0.01
2/2/2023					<0.01	<0.01	<0.01		
8/28/2023	0.0139								
8/29/2023			<0.01	<0.01		0.00337 (J)		0.00349 (J)	
9/6/2023		<0.01			<0.01				<0.01
9/7/2023							<0.01		
1/23/2024	<0.01					<0.01		0.00402 (J)	
1/24/2024		<0.01		<0.01			<0.01		
1/25/2024			<0.01		<0.01				<0.01
2/7/2024									
2/8/2024									
8/19/2024	0.0123								
8/20/2024						<0.01		0.00339 (J)	
8/21/2024		<0.01	<0.01	<0.01	<0.01		<0.01		<0.01
8/22/2024									
1/27/2025									
1/28/2025	0.0152	<0.01						0.0038 (J)	
1/29/2025			<0.01	<0.01	<0.01	<0.01	<0.01		<0.01
7/28/2025	0.0147								
7/29/2025		<0.01				0.0032 (J)		0.00477 (J)	
7/30/2025			<0.01	<0.01	<0.01		<0.01		<0.01
1/27/2026	0.0173	<0.01				<0.01	<0.01		
1/28/2026			<0.01	<0.01	<0.01			0.00499 (J)	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
9/29/2000	0.03	0.021	<0.01	<0.01	<0.01				
11/21/2000	<0.01	0.017	<0.01		<0.01	<0.01			
1/20/2001	0.028	0.03	<0.01	<0.01	<0.01	<0.01			
3/14/2001	0.052	0.019	<0.01	<0.01	<0.01	<0.01			
7/16/2001	0.08	0.029	<0.01	<0.01	<0.01	<0.01			
11/1/2001			<0.01	<0.01	<0.01	<0.01			
11/2/2001	0.13 (O)	0.021							
4/25/2002			<0.01			<0.01			
4/26/2002	0.021	0.03		<0.01	<0.01				
11/20/2002	0.053	0.038							
11/21/2002			<0.01	0.0051					
11/22/2002					0.002	<0.01			
6/6/2003	0.064	0.028	<0.01	0.014		<0.01			
6/7/2003					<0.01				
12/12/2003	<0.01	0.027	0.036 (O)	0.011	<0.01	<0.01			
12/17/2003									
5/26/2004	0.012	0.021		<0.01					
5/27/2004			<0.01		<0.01	<0.01			
12/8/2004			0.0021	<0.01	<0.01	<0.01			
12/9/2004									
12/10/2004	0.019	0.016							
6/21/2005	0.02	0.015		<0.01					
6/22/2005					<0.01				
6/23/2005			<0.01			<0.01			
12/3/2005				<0.01		<0.01			
12/4/2005									
12/5/2005	<0.01	0.022	<0.01		<0.01				
4/4/2006				<0.01					
6/27/2006	0.0015	0.027		<0.01					
6/28/2006									
6/29/2006			<0.01		<0.01	<0.01			
8/30/2006				<0.01					
12/3/2006				<0.01	0.0032				
12/4/2006	0.0034	0.025	<0.01			<0.01			
2/15/2007				<0.01					
6/23/2007	<0.01	0.023	<0.01	<0.01	<0.01	<0.01			
9/11/2007				<0.01					
9/12/2007	<0.01	0.017	<0.01			<0.01			
9/13/2007					0.0026				
9/14/2007									
11/6/2007			<0.01			<0.01			
11/7/2007	<0.01	0.022			0.0014				
11/8/2007				<0.01					
12/11/2007				<0.01	<0.01				
12/12/2007	<0.01	0.018	<0.01			<0.01			
1/15/2008					<0.01				
1/16/2008			0.0018			<0.01			
1/17/2008	<0.01	0.019							
1/18/2008				<0.01					
3/11/2008				<0.01	0.003				
3/12/2008		0.014				<0.01			
3/13/2008	<0.01		<0.01						

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
6/3/2008					<0.01				
6/4/2008	<0.01		<0.01	<0.01					
6/5/2008		0.021				<0.01			
6/23/2008				<0.01	0.0016				
6/24/2008	<0.01	0.022	<0.01			<0.01			
7/29/2008				<0.01					
7/30/2008	0.0024	0.02			0.0014				
7/31/2008			<0.01			<0.01			
11/3/2008				<0.01					
12/4/2008				<0.01	<0.01	<0.01			
12/5/2008	0.0016	0.023	<0.01						
3/25/2009				<0.01					
7/7/2009	<0.01	0.012		<0.01					
7/8/2009			<0.01		<0.01	<0.01			
9/14/2009				<0.01					
12/20/2009				<0.01		<0.01			
12/21/2009	<0.01	0.019	<0.01		<0.01				
3/4/2010				<0.01					
6/20/2010	<0.01			<0.01	<0.01	<0.01			
6/21/2010		0.01	<0.01				0.0019	<0.01	<0.01
9/14/2010				<0.01					
1/6/2011	0.0017					<0.01			
1/7/2011		0.023	<0.01	<0.01	<0.01		0.0017	0.0018	<0.01
4/15/2011				<0.01					
7/7/2011	0.008			<0.01	<0.01	<0.01			
7/8/2011		0.017	0.0013				0.0023	0.0019	<0.01
9/25/2011				0.0021					
1/17/2012	0.0082			<0.01	<0.01	<0.01			
1/18/2012		0.0114	<0.01				<0.01	<0.01	<0.01
4/4/2012				<0.01					
7/9/2012	0.01				<0.01	<0.01			
7/10/2012		0.014	<0.01	<0.01			<0.01	0.0013	<0.01
10/9/2012				<0.01					
1/17/2013	0.01				<0.01	<0.01			
1/18/2013		0.015	<0.01	<0.01			<0.01	0.0015	<0.01
4/5/2013				<0.01					
7/16/2013	0.0061				<0.01				
7/17/2013		0.011	<0.01	<0.01		<0.01	0.0019	<0.01	<0.01
10/11/2013				<0.01					
1/13/2014	0.002				<0.01	<0.01			
1/14/2014		0.019	<0.01	<0.01			<0.01	0.0012 (J)	<0.01
4/3/2014				<0.01					
7/8/2014					<0.01				
7/9/2014	<0.01	0.012	<0.01	<0.01		<0.01	<0.01		
7/10/2014								<0.01	<0.01
10/24/2014				<0.01					
1/12/2015		0.016						<0.01	
1/13/2015	<0.01				<0.01	<0.01			
1/14/2015			<0.01	<0.01			<0.01		<0.01
5/10/2015				<0.01					
5/11/2015									
7/16/2015	<0.01	0.0084			0.001 (J)	<0.01			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
7/17/2015				<0.01			<0.01		
7/18/2015			<0.01					<0.01	<0.01
10/6/2015				<0.01					
1/17/2016						<0.01	<0.01	<0.01	
1/18/2016	<0.01	0.014	<0.01	<0.01	<0.01				<0.01
1/19/2016									
4/26/2016				<0.01					
7/26/2016									
7/27/2016	0.0006 (J)				0.0014 (J)	0.0008 (J)			
7/28/2016				<0.01			0.0005 (J)	0.0007 (J)	
7/29/2016		0.0077 (J)	0.0009 (J)						0.0007 (J)
8/30/2016	<0.01			<0.01					
8/31/2016					0.0012 (J)	<0.01			<0.01
9/1/2016		0.015	0.0011 (J)				<0.01	<0.01	
10/24/2016				<0.01					
10/25/2016							<0.01	<0.01	
10/26/2016	<0.01	0.0106	<0.01		0.0012 (J)	0.001 (J)			<0.01
10/27/2016									
1/3/2017	0.001 (J)			<0.01					
1/4/2017					0.0012 (J)		<0.01	<0.01	<0.01
1/5/2017			0.0012 (J)			<0.01			
1/6/2017		0.0098 (J)							
4/3/2017				0.0004 (J)					
4/4/2017		0.0101				0.0008 (J)	0.0008 (J)	0.0011 (J)	
4/5/2017			0.0015 (J)		0.0013 (J)				
4/6/2017	0.0013 (J)								0.0006 (J)
7/10/2017					0.0014 (J)				
7/11/2017				0.0006 (J)				0.0009 (J)	0.0005 (J)
7/12/2017	0.0011 (J)	0.0096 (J)							
7/13/2017			0.0012 (J)			0.0006 (J)	0.0006 (J)		
10/2/2017				<0.01				0.0009 (J)	
10/3/2017	0.0012 (J)					<0.01	0.0005 (J)		
10/4/2017		0.0097 (J)	0.0055 (J)		0.0011 (J)				0.0006 (J)
1/9/2018				<0.01			0.0007 (J)		
1/10/2018	0.0016 (J)					<0.01		0.0008 (J)	
1/11/2018		0.0109	0.0009 (J)		0.001 (J)				<0.01
7/9/2018				<0.01				<0.01	
7/10/2018	0.0055 (J)					<0.01	<0.01		
7/11/2018		0.0055 (J)	<0.01		<0.01				<0.01
1/16/2019	<0.01	0.0024 (J)	<0.01	<0.01					
1/17/2019					0.0028 (J)		0.01		
1/18/2019									<0.01
1/21/2019						<0.01		<0.01	
3/25/2019		0.002 (J)		<0.01				<0.01	
3/26/2019	0.072		<0.01				<0.01		
3/27/2019					<0.01				<0.01
7/30/2019						0.00065 (J)			
8/26/2019				0.001 (J)					
8/27/2019		0.0027 (J)			0.00085 (J)	<0.01			0.00057 (J)
8/28/2019	0.0071 (J)		0.0013 (J)				0.00087 (J)	0.00089 (J)	
10/7/2019				0.00052 (J)					
10/8/2019							0.00065 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWB-4R	GWC-17	GWA-8 (bg)	GWC-12	GWC-2	GWC-21	GWC-20	GWC-22
10/9/2019	0.012 (J)	0.002 (J)	0.00081 (J)		0.00081 (J)	0.00049 (J)		0.0011 (J)	0.00072 (J)
4/6/2020				<0.01					
4/7/2020	0.0022 (J)	0.0028 (J)			0.00082 (J)		<0.01		0.00049 (J)
4/8/2020			0.00073 (J)			0.00069 (J)		0.001 (J)	
8/17/2020				0.00082 (J)	0.001 (J)				
8/18/2020			0.0011 (J)			<0.01	0.0012 (J)	0.0011 (J)	0.00056 (J)
8/19/2020	0.0012 (J)	0.0022 (J)							
9/28/2020				0.00071 (J)					
9/29/2020					0.00085 (J)	<0.01			
9/30/2020	0.0018 (J)		0.00096 (J)				0.00067 (J)	0.0013 (J)	0.00064 (J)
10/1/2020		0.002 (J)							
3/10/2021	0.001 (J)	0.003 (J)			0.00091 (J)				<0.01
3/11/2021			0.0009 (J)						
3/12/2021				0.00074 (J)				0.0014 (J)	
3/15/2021						0.0011 (J)			
3/16/2021							0.00075 (J)		
9/21/2021	<0.01	0.0018 (J)		<0.01	<0.01				<0.01
9/22/2021			<0.01			<0.01	<0.01	0.0013 (J)	
9/23/2021									
1/31/2022				<0.01					
2/1/2022			0.0014 (J)				<0.01	0.0036 (J)	
2/2/2022		0.003 (J)				<0.01			
2/3/2022	0.0014 (J)				0.0018 (J)				<0.01
8/30/2022	<0.01	<0.01		<0.01	<0.01		<0.01	<0.01	
8/31/2022			<0.01						<0.01
9/1/2022						<0.01			
1/31/2023				<0.01					
2/1/2023	0.00655 (J)		<0.01		<0.01			0.00503 (J)	
2/2/2023		0.00502 (J)				<0.01	<0.01		<0.01
8/28/2023				<0.01					
8/29/2023	<0.01	0.00389 (J)	<0.01			<0.01			<0.01
9/6/2023					<0.01		<0.01	<0.01	
9/7/2023									
1/23/2024				<0.01					<0.01
1/24/2024			<0.01					<0.01	
1/25/2024					<0.01	<0.01	<0.01		
2/7/2024		0.00352 (J)							
2/8/2024	0.0147								
8/19/2024									
8/20/2024		0.00544 (J)							
8/21/2024	0.00542 (J)		<0.01	<0.01	<0.01	<0.01		<0.01	<0.01
8/22/2024							<0.01		
1/27/2025				<0.01					
1/28/2025		0.00332 (J)	<0.01						<0.01
1/29/2025	<0.01				<0.01	<0.01	<0.01	<0.01	
7/28/2025		0.00648 (J)		<0.01					
7/29/2025			<0.01					<0.01	<0.01
7/30/2025	<0.01				<0.01	<0.01	<0.01		
1/27/2026		0.0056 (J)		<0.01				<0.01	
1/28/2026	<0.01		<0.01		<0.01	<0.01	<0.01		<0.01

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-13	GWC-12	GWC-11	GWC-15	GWC-9	GWC-16	GWC-1	GWB-6R
9/29/2000	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/21/2000	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
7/16/2001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
11/1/2001	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	
11/2/2001						<0.002			<0.002
4/25/2002					<0.002		<0.002	<0.002	
4/26/2002	<0.002	<0.002	<0.002	<0.002		<0.002			<0.002
11/20/2002								<0.002	0.0057
11/21/2002				<0.002	<0.002	0.0086 (O)	<0.002		
11/22/2002		<0.002	<0.002						
6/6/2003	0.037 (O)				<0.002		0.099 (O)	<0.002	0.013
6/7/2003		0.0078	<0.002	0.0068		<0.002			
12/12/2003	0.008	0.0055	<0.002	<0.002	0.0065	<0.002	0.017 (O)		<0.002
12/17/2003								<0.002	
5/26/2004	<0.002				<0.002		<0.002	<0.002	<0.002
5/27/2004		<0.002	<0.002	<0.002		<0.002			
12/8/2004	<0.002		<0.002		<0.002		<0.002	<0.002	
12/9/2004		<0.002		<0.002		0.0051			
12/10/2004									<0.002
6/21/2005	<0.002						<0.002	<0.002	<0.002
6/22/2005		<0.002	<0.002	<0.002		<0.002			
6/23/2005					<0.002				
12/3/2005	<0.002				<0.002				
12/4/2005				<0.002			<0.002	<0.002	
12/5/2005		<0.002	<0.002			<0.002			<0.002
4/4/2006							<0.002		
6/27/2006	<0.002							<0.002	
6/28/2006				<0.002					
6/29/2006		<0.002	<0.002		<0.002	<0.002	<0.002		<0.002
8/30/2006							<0.002		
12/3/2006	<0.002	<0.002	<0.002	<0.002		<0.002			
12/4/2006					<0.002		<0.002	<0.002	<0.002
2/15/2007							<0.002		
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
9/11/2007							<0.002		
9/12/2007					<0.002			<0.002	
9/13/2007		<0.002	<0.002	<0.002		<0.002			
9/14/2007	<0.002								<0.002
11/6/2007					<0.002		<0.002		
11/7/2007		<0.002	<0.002					<0.002	
11/8/2007	<0.002			<0.002		<0.002			<0.002
12/11/2007	<0.002	<0.002	<0.002	<0.002		<0.002			<0.002
12/12/2007					<0.002		<0.002	<0.002	
1/15/2008		<0.002	<0.002	<0.002					
1/16/2008					<0.002	<0.002	<0.002		
1/17/2008								<0.002	<0.002
1/18/2008	<0.002								
3/11/2008		<0.002	<0.002				<0.002		
3/12/2008					<0.002	<0.002		<0.002	
3/13/2008	<0.002			<0.002					<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-13	GWC-12	GWC-11	GWC-15	GWC-9	GWC-16	GWC-1	GWB-6R
6/3/2008		<0.002	<0.002	<0.002					
6/4/2008	<0.002					<0.002		<0.002	
6/5/2008					<0.002		<0.002		<0.002
6/23/2008	<0.002	<0.002	<0.002	<0.002		<0.002			
6/24/2008					<0.002		<0.002	<0.002	0.02
7/29/2008	<0.002			<0.002		<0.002			
7/30/2008		<0.002	<0.002						<0.002
7/31/2008					<0.002		<0.002	<0.002	
11/3/2008							<0.002		
12/4/2008	<0.002	<0.002	<0.002	<0.002		<0.002			
12/5/2008					<0.002		<0.002	<0.002	<0.002
3/25/2009							<0.002		
7/7/2009	<0.002							<0.002	<0.002
7/8/2009		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
9/14/2009							<0.002		
12/20/2009	<0.002				<0.002		<0.002	<0.002	
12/21/2009		<0.002	<0.002	<0.002		<0.002			<0.002
3/4/2010							<0.002		
6/20/2010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002
6/21/2010							<0.002		
9/14/2010							<0.002		
1/6/2011		<0.002		<0.002				<0.002	
1/7/2011	<0.002		<0.002		<0.002	<0.002	<0.002		<0.002
4/15/2011							<0.002		
7/7/2011	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
7/8/2011						<0.002			
9/25/2011							<0.002		
1/17/2012	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	
1/18/2012						<0.002	<0.002		<0.002
4/4/2012							<0.002		
7/9/2012	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	
7/10/2012						<0.002	<0.002		<0.002
10/9/2012							<0.002		
1/17/2013		<0.002	<0.002	<0.002				<0.002	
1/18/2013	<0.002				<0.002	<0.002	<0.002		<0.002
4/5/2013							<0.002		
7/16/2013		<0.002	<0.002	<0.002				<0.002	
7/17/2013	<0.002				<0.002	<0.002	<0.002		<0.002
10/11/2013							<0.002		
1/13/2014	0.013	<0.002	0.0035 (J)	<0.002	<0.002			<0.002	
1/14/2014						<0.002	<0.002		<0.002
4/3/2014							<0.002		
7/8/2014		<0.002	<0.002	<0.002					
7/9/2014	0.0076 (J)				<0.002	<0.002	<0.002	<0.002	<0.002
7/10/2014									
10/24/2014							<0.002		
1/12/2015									
1/13/2015	0.0057 (J)	<0.002	<0.002	<0.002	<0.002			<0.002	
1/14/2015						<0.002	<0.002		<0.002
5/10/2015									
5/11/2015							<0.002		
7/16/2015	0.009 (J)	<0.002	0.0044 (J)	<0.002	<0.002		<0.002	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-13	GWC-12	GWC-11	GWC-15	GWC-9	GWC-16	GWC-1	GWB-6R
7/17/2015						<0.002			<0.002
7/18/2015									
10/6/2015									
1/17/2016					<0.002		<0.002	<0.002	
1/18/2016	0.0094 (J)	<0.002	0.0034 (J)			<0.002			<0.002
1/19/2016				<0.002					
4/26/2016							<0.002		
7/26/2016		<0.002		0.0001 (J)					
7/27/2016	0.0058		0.0001 (J)		<0.002			<0.002	
7/28/2016						<0.002	<0.002		<0.002
7/29/2016									
8/30/2016								<0.002	<0.002
8/31/2016		<0.002	0.0001 (J)	0.0002 (J)		0.0007 (J)			
9/1/2016	0.0663 (O)				<0.002		<0.002		
10/24/2016									
10/25/2016	0.0003 (J)				<0.002		0.0002 (J)	<0.002	
10/26/2016		<0.002	0.0001 (J)	0.0001 (J)					<0.002
10/27/2016						<0.002			
1/3/2017									
1/4/2017			<0.002	0.0002 (J)			0.0001 (J)	<0.002	
1/5/2017		0.0002 (J)			<0.002				0.0003 (J)
1/6/2017	0.006					<0.002			
4/3/2017					0.0003 (J)				
4/4/2017								<0.002	
4/5/2017			0.0003 (J)				0.0002 (J)		
4/6/2017	0.0109	0.0005 (J)		0.0003 (J)		0.0001 (J)			0.0002 (J)
7/10/2017			0.0003 (J)						
7/11/2017				0.0002 (J)	0.0001 (J)				
7/12/2017		0.0005 (J)				<0.002	0.0001 (J)	<0.002	0.0002 (J)
7/13/2017	0.007								
10/2/2017					0.0002 (J)				
10/3/2017				0.0003 (J)			0.0001 (J)	<0.002	0.0001 (J)
10/4/2017	0.0042 (J)	0.0007 (J)	0.0001 (J)			9E-05 (J)			
1/9/2018	0.0098				0.0002 (J)				0.0003 (J)
1/10/2018		0.0009 (J)					0.0002 (J)	0.0001 (J)	
1/11/2018			0.0002 (J)	0.0003 (J)		0.0002 (J)			
7/9/2018									
7/10/2018					<0.002		<0.002	<0.002	<0.002
7/11/2018	0.0028 (J)	0.0015 (J)	<0.002	<0.002		<0.002			
1/16/2019	<0.025 (O)	0.00061 (J)						<0.002	<0.002
1/17/2019			<0.002	0.00028 (J)	<0.002		<0.002		
1/18/2019						<0.002			
1/21/2019									
3/25/2019	0.0019 (J)								
3/26/2019		<0.002			<0.002		<0.002	<0.002	<0.002
3/27/2019			<0.002	0.00029 (J)		<0.002			
7/30/2019									
8/26/2019	0.013 (J)								
8/27/2019		0.0001 (J)	<0.002	0.00021 (J)	0.00033 (J)			<0.002	0.0011 (J)
8/28/2019						6.1E-05 (J)	0.0001 (J)		
10/7/2019									
10/8/2019	0.0098 (J)	0.00013 (J)		0.00028 (J)	0.00012 (J)		0.0001 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-13	GWC-12	GWC-11	GWC-15	GWC-9	GWC-16	GWC-1	GWB-6R
10/9/2019			6.6E-05 (J)			<0.002		<0.002	0.00033 (J)
4/6/2020	0.0024 (J)								
4/7/2020			8.1E-05 (J)	0.00036 (J)	8.6E-05 (J)		0.00023 (J)	0.00012 (J)	0.00063 (J)
4/8/2020		0.00017 (J)				0.00021 (J)			
8/17/2020		7.6E-05 (J)	4.9E-05 (J)						
8/18/2020				0.00035 (J)	9E-05 (J)		0.00017 (J)		
8/19/2020	0.0044 (J)					9.6E-05 (J)		<0.002	0.00014 (J)
9/28/2020	0.0043 (J)	6.4E-05 (J)						4.3E-05 (J)	
9/29/2020			3.7E-05 (J)	0.00032 (J)					
9/30/2020					4.7E-05 (J)		9.1E-05 (J)		8E-05 (J)
10/1/2020						3.8E-05 (J)			
3/10/2021			6.8E-05 (J)	0.00042 (J)		0.00012 (J)		0.0001 (J)	9.6E-05 (J)
3/11/2021	0.0079								
3/12/2021					5.3E-05 (J)				
3/15/2021		0.00013 (J)							
3/16/2021							7.3E-05 (J)		
9/21/2021	<0.002	<0.002	<0.002	<0.002					<0.002
9/22/2021						<0.002	<0.002		
9/23/2021					<0.002			<0.002	
1/31/2022	<0.002								
2/1/2022							<0.002		
2/2/2022						<0.002			<0.002
2/3/2022		<0.002	<0.002	<0.002	<0.002			<0.002	
8/30/2022	0.0022		<0.002						<0.002
8/31/2022		<0.002		<0.002	<0.002				
9/1/2022						<0.002	<0.002	<0.002	
1/31/2023	0.00126 (J)								
2/1/2023		<0.002	<0.002	<0.002		<0.002	<0.002		<0.002
2/2/2023					<0.002			<0.002	
8/28/2023	0.0017 (J)								
8/29/2023		<0.002				<0.002		<0.002	<0.002
9/6/2023			<0.002	<0.002			<0.002		
9/7/2023					<0.002				
1/23/2024	0.00133 (J)							<0.002	<0.002
1/24/2024				<0.002	<0.002	<0.002			
1/25/2024		<0.002	<0.002				<0.002		
2/7/2024									
2/8/2024									
8/19/2024	0.000838 (J)								
8/20/2024								<0.002	<0.002
8/21/2024		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
8/22/2024									
1/27/2025									
1/28/2025	0.000726 (J)			<0.002					<0.002
1/29/2025		<0.002	<0.002		<0.002	<0.002	<0.002	<0.002	
7/28/2025	0.000999 (J)								
7/29/2025				<0.002				<0.002	<0.002
7/30/2025		<0.002	<0.002		<0.002	<0.002	<0.002		
1/27/2026	0.00245			<0.002	<0.002			<0.002	
1/28/2026		<0.002	<0.002			<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-4R	GWA-8 (bg)	GWC-14	GWC-2	GWB-5R	GWC-22	GWC-21	GWC-20
9/29/2000	<0.002	0.0083	<0.002	<0.002		0.017 (O)			
11/21/2000	<0.002	0.0052		<0.002	0.0069	<0.002			
1/20/2001	<0.002	<0.002	<0.002	<0.002	<0.002	0.011			
3/14/2001	<0.002	<0.002	<0.002	<0.002	<0.002	0.026 (O)			
7/16/2001	<0.002	0.011	<0.002	<0.002	<0.002	0.043 (O)			
11/1/2001	<0.002		<0.002	<0.002	<0.002				
11/2/2001		<0.002				0.075 (O)			
4/25/2002	<0.002			<0.002	<0.002				
4/26/2002		<0.002	<0.002			<0.002			
11/20/2002		0.018 (O)				0.057 (O)			
11/21/2002	<0.002		<0.002	0.011 (O)					
11/22/2002					<0.002				
6/6/2003	<0.002	0.015 (O)	0.016 (O)	<0.002	<0.002	0.16 (O)			
6/7/2003									
12/12/2003	<0.002	0.0072	0.0095	<0.002	<0.002	<0.002			
12/17/2003									
5/26/2004		0.0055	<0.002			0.011			
5/27/2004	<0.002			<0.002	<0.002				
12/8/2004	<0.002		<0.002	<0.002	<0.002				
12/9/2004									
12/10/2004		<0.002				0.038 (O)			
6/21/2005		<0.002	<0.002			0.036 (O)			
6/22/2005									
6/23/2005	<0.002			<0.002	<0.002				
12/3/2005			<0.002	<0.002	<0.002				
12/4/2005									
12/5/2005	<0.002	<0.002				<0.002			
4/4/2006			<0.002	<0.002					
6/27/2006		0.024 (O)	<0.002			<0.002			
6/28/2006									
6/29/2006	<0.002			<0.002	<0.002				
8/30/2006			<0.002	<0.002					
12/3/2006			<0.002						
12/4/2006	<0.002	0.023 (O)		<0.002	<0.002	<0.002			
2/15/2007			<0.002	<0.002					
6/23/2007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
9/11/2007			<0.002	<0.002					
9/12/2007	<0.002	<0.002			<0.002	<0.002			
9/13/2007									
9/14/2007									
11/6/2007	<0.002			<0.002	<0.002				
11/7/2007		<0.002				<0.002			
11/8/2007			<0.002						
12/11/2007			<0.002						
12/12/2007	<0.002	<0.002		<0.002	<0.002	<0.002			
1/15/2008									
1/16/2008	<0.002			<0.002	<0.002				
1/17/2008		<0.002				<0.002			
1/18/2008			<0.002						
3/11/2008			<0.002	<0.002					
3/12/2008		<0.002			<0.002				
3/13/2008	<0.002					<0.002			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-4R	GWA-8 (bg)	GWC-14	GWC-2	GWB-5R	GWC-22	GWC-21	GWC-20
6/3/2008									
6/4/2008	<0.002		<0.002			<0.002			
6/5/2008		<0.002		<0.002	<0.002				
6/23/2008			<0.002						
6/24/2008	<0.002	0.02 (O)		<0.002	<0.002	<0.002			
7/29/2008			<0.002						
7/30/2008		0.018				<0.002			
7/31/2008	<0.002			<0.002	<0.002				
11/3/2008			<0.002	<0.002					
12/4/2008			<0.002	<0.002	<0.002				
12/5/2008	<0.002	<0.002				<0.002			
3/25/2009			<0.002	<0.002					
7/7/2009		<0.002	<0.002			<0.002			
7/8/2009	<0.002			<0.002	<0.002				
9/14/2009			<0.002	<0.002					
12/20/2009			<0.002	<0.002	<0.002				
12/21/2009	<0.002	<0.002				<0.002			
3/4/2010			<0.002	<0.002					
6/20/2010			<0.002	<0.002	<0.002	<0.002			
6/21/2010	<0.002	<0.002					<0.002	<0.002	<0.002
9/14/2010			<0.002	<0.002					
1/6/2011					<0.002	<0.002			
1/7/2011	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
4/15/2011			<0.002	<0.002					
7/7/2011			<0.002	<0.002	<0.002	<0.002			
7/8/2011	<0.002	<0.002					<0.002	<0.002	<0.002
9/25/2011			<0.002	<0.002					
1/17/2012			<0.002	<0.002	<0.002	<0.002			
1/18/2012	<0.002	<0.002					<0.002	<0.002	<0.002
4/4/2012			<0.002	<0.002					
7/9/2012				<0.002	<0.002	<0.002			
7/10/2012	<0.002	<0.002	<0.002				<0.002	<0.002	<0.002
10/9/2012			<0.002	<0.002					
1/17/2013					<0.002	<0.002			
1/18/2013	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002	<0.002
4/5/2013			<0.002	<0.002					
7/16/2013						<0.002			
7/17/2013	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	<0.002	<0.002
10/11/2013			<0.002	<0.002					
1/13/2014					<0.002	<0.002			
1/14/2014	<0.002	0.0047 (J)	<0.002	<0.002			<0.002	<0.002	<0.002
4/3/2014			<0.002	<0.002					
7/8/2014									
7/9/2014	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		<0.002	
7/10/2014							<0.002		<0.002
10/24/2014			<0.002	<0.002					
1/12/2015		<0.002							<0.002
1/13/2015					<0.002	<0.002			
1/14/2015	<0.002		<0.002	<0.002			<0.002	<0.002	
5/10/2015			<0.002	<0.002					
5/11/2015									
7/16/2015		<0.002			<0.002	<0.002			

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-4R	GWA-8 (bg)	GWC-14	GWC-2	GWB-5R	GWC-22	GWC-21	GWC-20
7/17/2015			<0.002	<0.002				<0.002	
7/18/2015	<0.002						<0.002		<0.002
10/6/2015			<0.002						
1/17/2016				<0.002	<0.002			<0.002	<0.002
1/18/2016	<0.002	0.0055 (J)	<0.002			<0.002	<0.002		
1/19/2016									
4/26/2016			<0.002	<0.002					
7/26/2016									
7/27/2016				<0.002	<0.002	<0.002			
7/28/2016			<0.002					<0.002	<0.002
7/29/2016	<0.002	0.003 (J)					0.0004 (J)		
8/30/2016			<0.002			<0.002			
8/31/2016					<0.002		0.0003 (J)		
9/1/2016	<0.002	0.0166 (O)		<0.002				<0.002	<0.002
10/24/2016			<0.002						
10/25/2016				<0.002				<0.002	0.0001 (J)
10/26/2016	<0.002	0.0057			<0.002	0.0002 (J)	0.0003 (J)		
10/27/2016									
1/3/2017			0.0001 (J)			0.0001 (J)			
1/4/2017							0.0003 (J)	<0.002	<0.002
1/5/2017	<0.002			<0.002	<0.002				
1/6/2017		0.0053							
4/3/2017			0.0002 (J)						
4/4/2017		0.0092		0.0001 (J)	0.0002 (J)			9E-05 (J)	7E-05 (J)
4/5/2017	0.0009 (J)								
4/6/2017						0.0003 (J)	0.0003 (J)		
7/10/2017									
7/11/2017			0.0001 (J)	8E-05 (J)			0.0002 (J)		<0.002
7/12/2017		0.006				0.0002 (J)			
7/13/2017	<0.002				0.0003 (J)			7E-05 (J)	
10/2/2017			0.0001 (J)	0.0001 (J)					<0.002
10/3/2017					<0.002	0.0002 (J)		0.0001 (J)	
10/4/2017	0.0001 (J)	0.0057					0.0008 (J)		
1/9/2018			0.0001 (J)	<0.002				9E-05 (J)	
1/10/2018					8E-05 (J)	0.0003 (J)			0.0002 (J)
1/11/2018	0.0001 (J)	0.0085					0.0009 (J)		
7/9/2018			<0.002	<0.002					<0.002
7/10/2018					<0.002	<0.002		<0.002	
7/11/2018	<0.002	0.0029 (J)					0.001 (J)		
1/16/2019	<0.002	<0.002	<0.002	<0.002		<0.002			
1/17/2019								<0.002	
1/18/2019							0.0012 (J)		
1/21/2019					<0.002				<0.002
3/25/2019		<0.002	<0.002						<0.002
3/26/2019	<0.002			<0.002		<0.002		<0.002	
3/27/2019							0.00047 (J)		
7/30/2019					0.0002 (J)				
8/26/2019			<0.002						
8/27/2019		0.001 (J)		0.00051 (J)	<0.002		0.003 (J)		
8/28/2019	<0.002					0.0011 (J)		0.00018 (J)	6.5E-05 (J)
10/7/2019			<0.002						
10/8/2019				<0.002				0.00016 (J)	

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWB-4R	GWA-8 (bg)	GWC-14	GWC-2	GWB-5R	GWC-22	GWC-21	GWC-20
10/9/2019	0.00015 (J)	0.00041 (J)			6.4E-05 (J)	0.0025 (J)	0.00032 (J)		0.00018 (J)
4/6/2020			0.0001 (J)						
4/7/2020		0.00073 (J)		<0.002		0.0014 (J)	0.00067 (J)	<0.002	
4/8/2020	8.4E-05 (J)				<0.002				<0.002
8/17/2020			<0.002						
8/18/2020	0.00014 (J)			<0.002	<0.002		0.00072 (J)	0.00027 (J)	<0.002
8/19/2020		0.00048 (J)				7.9E-05 (J)			
9/28/2020			<0.002						
9/29/2020				<0.002	<0.002				
9/30/2020	6E-05 (J)					0.0012 (J)	0.00023 (J)	5.4E-05 (J)	<0.002
10/1/2020		0.00026 (J)							
3/10/2021		0.0003 (J)				5.2E-05 (J)	0.00016 (J)		
3/11/2021	0.00019 (J)								
3/12/2021			9.3E-05 (J)						<0.002
3/15/2021					4.1E-05 (J)				
3/16/2021				<0.002				<0.002	
9/21/2021		<0.002	<0.002			<0.002	<0.002		
9/22/2021	<0.002			<0.002	<0.002			<0.002	<0.002
9/23/2021									
1/31/2022			<0.002						
2/1/2022	<0.002							<0.002	<0.002
2/2/2022		<0.002		<0.002	<0.002				
2/3/2022						<0.002	<0.002		
8/30/2022		<0.002	<0.002	<0.002		<0.002		<0.002	<0.002
8/31/2022	<0.002						<0.002		
9/1/2022					<0.002				
1/31/2023			0.0104						
2/1/2023	<0.002					<0.002			<0.002
2/2/2023		<0.002		<0.002	<0.002		<0.002	<0.002	
8/28/2023			0.000566 (J)						
8/29/2023	<0.002	<0.002			<0.002	<0.002	0.000511 (J)		
9/6/2023				<0.002				<0.002	<0.002
9/7/2023									
1/23/2024			<0.002				<0.002		
1/24/2024	<0.002								<0.002
1/25/2024				<0.002	<0.002			<0.002	
2/7/2024		<0.002							
2/8/2024						<0.002			
8/19/2024									
8/20/2024		<0.002							
8/21/2024	<0.002		<0.002	<0.002	<0.002	0.000522 (J)	<0.002		<0.002
8/22/2024								<0.002	
1/27/2025			<0.002						
1/28/2025	<0.002	<0.002					<0.002		
1/29/2025				<0.002	<0.002	<0.002		<0.002	<0.002
7/28/2025		<0.002	<0.002						
7/29/2025	<0.002						<0.002		<0.002
7/30/2025				<0.002	<0.002	<0.002		<0.002	
1/27/2026		<0.002	<0.002						<0.002
1/28/2026	<0.002			<0.002	<0.002	<0.002	0.000502 (J)	<0.002	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
9/29/2000	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/21/2000	<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.052
1/20/2001	<0.005	<0.005	<0.005	<0.005	0.017	<0.005	<0.005	<0.005	0.053
3/14/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.049
7/16/2001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.038
11/1/2001	<0.005	<0.005			<0.005		<0.005	<0.005	0.022
11/2/2001			<0.005	<0.005		<0.005			
4/25/2002					0.012				0.1
4/26/2002	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
11/20/2002			0.0064	0.008	0.19 (O)				
11/21/2002		<0.005				<0.005	<0.005		0.018
11/22/2002								<0.005	
6/6/2003	<0.005	<0.005	0.011	0.0066	0.32 (O)				<0.005
6/7/2003						<0.005	<0.005	<0.005	
12/12/2003	<0.005	<0.005	<0.005	0.0056		<0.005	<0.005	<0.005	<0.005
12/17/2003					0.013				
5/26/2004	<0.005	<0.005	0.007	0.0084	0.017				
5/27/2004						<0.005	<0.005	<0.005	0.023
12/8/2004	<0.005	<0.005			0.011			<0.005	0.019
12/9/2004						<0.005	<0.005		
12/10/2004			<0.005	<0.005					
6/21/2005	<0.005	<0.005	0.0063	0.0062	0.0088				
6/22/2005						0.0062	<0.005	<0.005	
6/23/2005									0.019
12/3/2005	<0.005	<0.005							0.0095
12/4/2005					0.011		<0.005		
12/5/2005			<0.005	<0.005		<0.005		<0.005	
4/4/2006		<0.005							0.033
6/27/2006	<0.005	<0.005	<0.005		<0.005				
6/28/2006							<0.005		
6/29/2006				<0.005		<0.005		<0.005	<0.005
8/30/2006		<0.005							<0.005
12/3/2006	<0.005	<0.005				<0.005	<0.005	<0.005	
12/4/2006			<0.005	<0.005	<0.005				0.032
2/15/2007		<0.005							0.034
6/23/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/11/2007		<0.005							0.022
9/12/2007			<0.005		<0.005				
9/13/2007						<0.005	<0.005	<0.005	
9/14/2007	<0.005			<0.005					
11/6/2007									0.047
11/7/2007			<0.005		<0.005			<0.005	
11/8/2007	<0.005	<0.005		<0.005		<0.005	<0.005		
12/11/2007	<0.005	<0.005		<0.005		<0.005	<0.005	<0.005	
12/12/2007			<0.005		<0.005				0.045
1/15/2008							<0.005	<0.005	
1/16/2008						<0.005			<0.005
1/17/2008			<0.005	<0.005	<0.005				
1/18/2008	<0.005	<0.005							
3/11/2008		<0.005						<0.005	0.02
3/12/2008					<0.005	<0.005			
3/13/2008	<0.005		<0.005	<0.005			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
6/3/2008							<0.005	<0.005	
6/4/2008	<0.005	<0.005	<0.005		<0.005	<0.005			
6/5/2008				<0.005					0.065
6/23/2008	<0.005	<0.005				<0.005	<0.005	<0.005	
6/24/2008			<0.005	<0.005	<0.005				<0.005
7/29/2008	<0.005	<0.005				<0.005	<0.005		
7/30/2008			<0.005	<0.005				<0.005	
7/31/2008					<0.005				<0.005
11/3/2008		<0.005							0.052
12/4/2008	<0.005	<0.005				<0.005	<0.005	<0.005	0.054
12/5/2008			<0.005	<0.005	<0.005				
3/25/2009		<0.005							0.072
7/7/2009	<0.005	<0.005	<0.005	<0.005	<0.005				
7/8/2009						<0.005	<0.005	<0.005	0.021
9/14/2009		<0.005							0.015
12/20/2009	<0.005	<0.005			<0.005				0.072
12/21/2009			<0.005	<0.005		<0.005	<0.005	<0.005	
3/4/2010		<0.005							0.083
6/20/2010	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.1
6/21/2010									
9/14/2010		<0.005							0.085
1/6/2011			<0.005		<0.005		<0.005		
1/7/2011	<0.005	<0.005		<0.005		<0.005		<0.005	0.028
4/15/2011		<0.005							<0.005
7/7/2011	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
7/8/2011						<0.005			
9/25/2011		<0.005							0.02
1/17/2012	<0.005	<0.005	<0.005		<0.005		0.023	<0.005	0.016
1/18/2012				<0.005		<0.005			
4/4/2012		<0.005							0.0156
7/9/2012	<0.005		<0.005		<0.005		0.016	<0.005	<0.005
7/10/2012		<0.005		<0.005		<0.005			
10/9/2012		<0.005							0.0094
1/17/2013			<0.005		<0.005		0.033	<0.005	
1/18/2013	0.009	<0.005		<0.005		<0.005			0.0067
4/5/2013		<0.005							0.0077
7/16/2013			<0.005		0.012		0.0068	<0.005	
7/17/2013	0.011	<0.005		<0.005		<0.005			0.01
10/11/2013		<0.005							0.0087
1/13/2014	0.012		<0.005		<0.005		0.036	<0.005	
1/14/2014		<0.005		<0.005		<0.005			0.012
4/3/2014		<0.005							0.022
7/8/2014							0.017	<0.005	
7/9/2014	0.011	<0.005	<0.005	<0.005	<0.005	<0.005			0.0089
7/10/2014									
10/24/2014		<0.005							0.017
1/12/2015									
1/13/2015	0.0092		<0.005		<0.005		0.027	<0.005	
1/14/2015		<0.005		<0.005		<0.005			<0.005
5/10/2015		<0.005							<0.005
5/11/2015									
7/16/2015	0.014		<0.005		<0.005		<0.005	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
7/17/2015		<0.005		<0.005		<0.005			<0.005
7/18/2015									
10/6/2015		<0.005							<0.005
1/17/2016					0.023				<0.005
1/18/2016	0.023	<0.005	<0.005	<0.005		<0.005		<0.005	
1/19/2016							0.023		
4/26/2016		<0.005							0.00428 (J)
7/26/2016							0.0056 (J)		
7/27/2016	0.0323 (J)		<0.005		0.002 (J)			0.0025 (J)	0.0038 (J)
7/28/2016		0.001 (J)		<0.005		<0.005			
7/29/2016									
8/30/2016		<0.005	<0.005	<0.005	0.002 (J)				
8/31/2016						<0.005	0.0084 (J)	0.0019 (J)	
9/1/2016	0.0438								0.0056 (J)
10/24/2016		0.0013 (J)							
10/25/2016	0.031				0.0022 (J)				0.0023 (J)
10/26/2016			<0.005	<0.005			0.0052 (J)	0.002 (J)	
10/27/2016						<0.005			
1/3/2017		<0.005	<0.005						
1/4/2017					0.0016 (J)		0.0062 (J)	<0.005	
1/5/2017				0.0014 (J)					0.0038 (J)
1/6/2017	0.0324					<0.005			
4/3/2017		<0.005							
4/4/2017					0.0052 (J)				0.0064 (J)
4/5/2017								<0.005	
4/6/2017	0.0188 (J)		<0.005	<0.005		<0.005	0.0195		
7/10/2017								<0.005	
7/11/2017		<0.005					<0.005		0.0044 (J)
7/12/2017			<0.005	<0.005	0.0024 (J)	<0.005			
7/13/2017	0.0118								
10/2/2017		<0.005							0.004 (J)
10/3/2017			<0.005	<0.005	<0.005		0.0079 (J)		
10/4/2017	0.0195					<0.005		<0.005	
1/9/2018	<0.005	<0.005		<0.005					0.0019 (J)
1/10/2018			<0.005		0.0018 (J)				
1/11/2018						<0.005	0.0054 (J)	<0.005	
7/9/2018		<0.005							0.0029 (J)
7/10/2018			0.0018 (J)	0.0016 (J)	0.0026 (J)				
7/11/2018	<0.005					<0.005	0.0022 (J)	<0.005	
1/16/2019	0.0071 (J)	<0.005	<0.005	<0.005	0.0018 (J)				0.0016 (J)
1/17/2019							<0.005	<0.005	
1/18/2019						<0.005			
1/21/2019									
3/25/2019	<0.005	<0.005							
3/26/2019			<0.005	0.0068 (J)	0.0023 (J)				0.0022 (J)
3/27/2019						<0.005	0.0014 (J)	<0.005	
7/30/2019									
8/26/2019	<0.005	<0.005							
8/27/2019				0.0033 (J)	0.0016 (J)		<0.005	<0.005	0.0035 (J)
8/28/2019			0.0033 (J)			<0.005			
10/7/2019		<0.005							
10/8/2019	0.0072 (J)						<0.005		0.0026 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWA-8 (bg)	GWB-5R	GWB-6R	GWC-1	GWC-9	GWC-11	GWC-12	GWC-14
10/9/2019			0.0073 (J)	<0.005	0.0024 (J)	<0.005		<0.005	
4/6/2020	0.0078 (J)	<0.005							
4/7/2020			<0.005	<0.005	0.0013 (J)		0.0021 (J)	<0.005	0.005 (J)
4/8/2020						<0.005			
8/17/2020		<0.005						<0.005	
8/18/2020							0.0028 (J)		0.0029 (J)
8/19/2020	<0.005		<0.005	<0.005	0.002 (J)	<0.005			
9/28/2020	0.01 (J)	<0.005			<0.005				
9/29/2020							0.0024 (J)	<0.005	0.0051 (J)
9/30/2020			<0.005	0.0023 (J)					
10/1/2020						<0.005			
3/10/2021			0.006	0.0049 (J)	0.0026 (J)	<0.005	0.0044 (J)	0.003 (J)	
3/11/2021	<0.005								
3/12/2021		<0.005							
3/15/2021									
3/16/2021									0.0034 (J)
9/21/2021	<0.005	<0.005	<0.005	0.0016 (J)			0.0038 (J)	<0.005	
9/22/2021						<0.005			0.0034 (J)
9/23/2021					0.0018 (J)				
1/31/2022	<0.005	<0.005							
2/1/2022									
2/2/2022				0.0017 (J)		<0.005			0.0038 (J)
2/3/2022			<0.005		0.0022 (J)		0.019	<0.005	
8/30/2022	0.0063	<0.005	<0.005	0.00277 (J)				<0.005	0.00544
8/31/2022							0.00344 (J)		
9/1/2022					0.00252 (J)	<0.005			
1/31/2023	0.00443 (J)	<0.005							
2/1/2023			0.00187 (J)	0.00182 (J)		<0.005	0.00333 (J)	<0.005	
2/2/2023					0.0022 (J)				0.0035 (J)
8/28/2023	0.00544	<0.005							
8/29/2023			<0.005	0.00204 (J)	0.00182 (J)	<0.005			
9/6/2023							0.0036 (J)	<0.005	0.00516
9/7/2023									
1/23/2024	0.00657	<0.005		0.00223 (J)	0.00168 (J)				
1/24/2024						<0.005	0.00303 (J)		
1/25/2024								<0.005	0.00311 (J)
2/7/2024									
2/8/2024			0.00485 (J)						
8/19/2024	0.00709								
8/20/2024				0.00254 (J)	0.00155 (J)				
8/21/2024		<0.005	0.00214 (J)			<0.005	0.00627	<0.005	0.00337 (J)
8/22/2024									
1/27/2025		<0.005							
1/28/2025	0.00916			0.00297 (J)			0.00324 (J)		
1/29/2025			<0.005		0.00158 (J)	<0.005		<0.005	0.00353 (J)
7/28/2025	0.00876	<0.005							
7/29/2025				0.00255 (J)	0.00202 (J)		0.00252 (J)		
7/30/2025			<0.005			<0.005		<0.005	0.00432 (J)
1/27/2026	0.0102	<0.005			0.00197 (J)		0.00324 (J)		
1/28/2026			<0.005	0.00194 (J)		<0.005		<0.005	0.00286 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWB-4R	GWC-17	GWC-2	GWC-21	GWC-22	GWC-20
9/29/2000	<0.005	<0.005	<0.005	<0.005				
11/21/2000	<0.005	<0.005	<0.005	<0.005	<0.005			
1/20/2001	<0.005	<0.005	0.014 (O)	<0.005	<0.005			
3/14/2001	<0.005	<0.005	<0.005	<0.005	<0.005			
7/16/2001	<0.005	<0.005	0.015 (O)	<0.005	<0.005			
11/1/2001	<0.005	<0.005		<0.005	<0.005			
11/2/2001			0.012 (O)					
4/25/2002	<0.005	<0.005		<0.005	<0.005			
4/26/2002			<0.005					
11/20/2002			0.026 (O)					
11/21/2002	0.0094	<0.005		<0.005				
11/22/2002					<0.005			
6/6/2003	0.021 (O)	0.021 (O)	0.022 (O)	<0.005	<0.005			
6/7/2003								
12/12/2003	0.016 (O)	0.0078	0.028 (O)	<0.005	<0.005			
12/17/2003								
5/26/2004	<0.005	0.0053	0.012 (O)					
5/27/2004				<0.005	0.005			
12/8/2004	<0.005	<0.005		<0.005	<0.005			
12/9/2004								
12/10/2004			0.0073					
6/21/2005		<0.005	0.0087					
6/22/2005								
6/23/2005	<0.005			<0.005	<0.005			
12/3/2005	<0.005				<0.005			
12/4/2005		<0.005						
12/5/2005			0.013 (O)	<0.005				
4/4/2006		<0.005						
6/27/2006			<0.005					
6/28/2006								
6/29/2006	<0.005	<0.005		<0.005	<0.005			
8/30/2006		<0.005						
12/3/2006								
12/4/2006	<0.005	<0.005	<0.005	<0.005	<0.005			
2/15/2007		<0.005						
6/23/2007	<0.005	<0.005	<0.005	<0.005	<0.005			
9/11/2007		<0.005						
9/12/2007	<0.005		<0.005	<0.005	<0.005			
9/13/2007								
9/14/2007								
11/6/2007	<0.005	<0.005		<0.005	<0.005			
11/7/2007			<0.005					
11/8/2007								
12/11/2007								
12/12/2007	<0.005	<0.005	<0.005	<0.005	<0.005			
1/15/2008								
1/16/2008	<0.005	0.064		<0.005	<0.005			
1/17/2008			<0.005					
1/18/2008								
3/11/2008		<0.005						
3/12/2008	<0.005		<0.005		<0.005			
3/13/2008				<0.005				

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWB-4R	GWC-17	GWC-2	GWC-21	GWC-22	GWC-20
6/3/2008								
6/4/2008				<0.005				
6/5/2008	<0.005	<0.005	<0.005		<0.005			
6/23/2008								
6/24/2008	<0.005	<0.005	<0.005	<0.005	<0.005			
7/29/2008								
7/30/2008			<0.005					
7/31/2008	<0.005	<0.005		<0.005	<0.005			
11/3/2008		<0.005						
12/4/2008					<0.005			
12/5/2008	<0.005	<0.005	<0.005	<0.005				
3/25/2009		<0.005						
7/7/2009			<0.005					
7/8/2009	<0.005	<0.005		<0.005	<0.005			
9/14/2009		<0.005						
12/20/2009	<0.005	<0.005			<0.005			
12/21/2009			<0.005	<0.005				
3/4/2010		<0.005						
6/20/2010	<0.005				<0.005			
6/21/2010		<0.005	<0.005	<0.005		0.048	<0.005	<0.005
9/14/2010		<0.005						
1/6/2011					<0.005			
1/7/2011	<0.005	<0.005	<0.005	<0.005		0.014	<0.005	<0.005
4/15/2011		<0.005						
7/7/2011	<0.005	<0.005			<0.005			
7/8/2011			<0.005	<0.005		0.018	<0.005	<0.005
9/25/2011		<0.005						
1/17/2012	<0.005				<0.005			
1/18/2012		<0.005	<0.005	<0.005		<0.005	<0.005	<0.005
4/4/2012		<0.005						
7/9/2012	0.066				<0.005			
7/10/2012		<0.005	<0.005	<0.005		0.02	<0.005	<0.005
10/9/2012		<0.005						
1/17/2013					<0.005			
1/18/2013	0.04 (O)	<0.005	<0.005	<0.005		0.015	<0.005	0.005
4/5/2013		<0.005						
7/16/2013								
7/17/2013	<0.005	<0.005	<0.005	<0.005	<0.005	0.037	<0.005	<0.005
10/11/2013		0.0069						
1/13/2014	<0.005				<0.005			
1/14/2014		<0.005	<0.005	<0.005		0.043	<0.005	<0.005
4/3/2014		<0.005						
7/8/2014								
7/9/2014	<0.005	0.005	<0.005	<0.005	<0.005	0.023		
7/10/2014							<0.005	<0.005
10/24/2014		<0.005						
1/12/2015			<0.005					<0.005
1/13/2015	<0.005				<0.005			
1/14/2015		<0.005		<0.005		0.022	<0.005	
5/10/2015								
5/11/2015		<0.005						
7/16/2015	<0.005	<0.005	<0.005		<0.005			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWB-4R	GWC-17	GWC-2	GWC-21	GWC-22	GWC-20
7/17/2015						0.033		
7/18/2015				<0.005			<0.005	<0.005
10/6/2015		0.0073						
1/17/2016	<0.005	0.0031 (J)			<0.005	0.021		<0.005
1/18/2016			<0.005	<0.005			<0.005	
1/19/2016								
4/26/2016		0.00497 (J)						
7/26/2016								
7/27/2016	<0.005				0.002 (J)			
7/28/2016		0.0076 (J)				0.0341		<0.005
7/29/2016			0.0036 (J)	0.0011 (J)			0.0022 (J)	
8/30/2016								
8/31/2016					<0.005		0.0014 (J)	
9/1/2016	<0.005	0.0052 (J)	0.0067 (J)	0.0012 (J)		0.0297		<0.005
10/24/2016								
10/25/2016	<0.005	0.0085 (J)				0.0095 (J)		0.0014 (J)
10/26/2016			0.0042 (J)	0.0013 (J)	0.0035 (J)		0.001 (J)	
10/27/2016								
1/3/2017								
1/4/2017		0.0048 (J)				0.022	<0.005	0.0014 (J)
1/5/2017	<0.005			0.0012 (J)	<0.005			
1/6/2017			0.0042 (J)					
4/3/2017	<0.005							
4/4/2017			0.0043 (J)		<0.005	0.0236		<0.005
4/5/2017		0.0068 (J)		<0.005				
4/6/2017							<0.005	
7/10/2017								
7/11/2017	<0.005						<0.005	<0.005
7/12/2017		0.0048 (J)	0.0033 (J)					
7/13/2017				0.0018 (J)	<0.005	0.013		
10/2/2017	<0.005							<0.005
10/3/2017		0.0051 (J)			<0.005	0.01 (J)		
10/4/2017			0.0038 (J)	0.0042 (J)			0.0023 (J)	
1/9/2018	0.0019 (J)					0.0162		
1/10/2018		0.0018 (J)			<0.005			<0.005
1/11/2018			0.0029 (J)	<0.005			<0.005	
7/9/2018								<0.005
7/10/2018	0.0086 (J)	0.0045 (J)			<0.005	0.016		
7/11/2018			0.0015 (J)	0.0016 (J)			<0.005	
1/16/2019			<0.005	<0.005				
1/17/2019	0.0029 (J)	0.0031 (J)				0.011		
1/18/2019							<0.005	
1/21/2019					<0.005			0.0014 (J)
3/25/2019			<0.005					<0.005
3/26/2019	0.0074 (J)	0.0033 (J)		<0.005		0.022		
3/27/2019							<0.005	
7/30/2019					<0.005			
8/26/2019								
8/27/2019	0.0092 (J)		<0.005		<0.005		<0.005	
8/28/2019		0.004 (J)		<0.005		0.019		0.0014 (J)
10/7/2019								
10/8/2019	0.014	0.0023 (J)				0.019		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWB-4R	GWC-17	GWC-2	GWC-21	GWC-22	GWC-20
10/9/2019			<0.005	<0.005	<0.005		<0.005	<0.005
4/6/2020								
4/7/2020	0.0029 (J)	<0.005	0.0025 (J)			0.012	<0.005	
4/8/2020				<0.005	<0.005			0.0013 (J)
8/17/2020								
8/18/2020	0.0022 (J)	0.0058 (J)		0.002 (J)	<0.005	0.013	<0.005	<0.005
8/19/2020			<0.005					
9/28/2020								
9/29/2020					<0.005			
9/30/2020	<0.005	0.0037 (J)		<0.005		0.0061 (J)	<0.005	<0.005
10/1/2020			<0.005					
3/10/2021			0.0021 (J)				<0.005	
3/11/2021				0.0016 (J)				
3/12/2021	0.0064							<0.005
3/15/2021					<0.005			
3/16/2021		0.0044 (J)				0.0055		
9/21/2021			<0.005				<0.005	
9/22/2021		0.0031 (J)		<0.005	<0.005	0.0027 (J)		0.0024 (J)
9/23/2021	0.0016 (J)							
1/31/2022								
2/1/2022		0.0024 (J)		<0.005		0.0054		<0.005
2/2/2022			<0.005		<0.005			
2/3/2022	0.0031 (J)						<0.005	
8/30/2022			0.00265 (J)			0.00648		0.00192 (J)
8/31/2022	0.00192 (J)			<0.005			<0.005	
9/1/2022		0.00334 (J)			<0.005			
1/31/2023								
2/1/2023		<0.005		<0.005				<0.005
2/2/2023	<0.005		0.00466 (J)		<0.005	0.00542	<0.005	
8/28/2023								
8/29/2023			0.00261 (J)	<0.005	<0.005		<0.005	
9/6/2023		0.00161 (J)				0.00554		<0.005
9/7/2023	<0.005							
1/23/2024							<0.005	
1/24/2024	0.0028 (J)			<0.005				0.00455 (J)
1/25/2024		0.00185 (J)			<0.005	0.00452 (J)		
2/7/2024			0.00258 (J)					
2/8/2024								
8/19/2024								
8/20/2024			0.00381 (J)					
8/21/2024	0.00314 (J)	0.00313 (J)		<0.005	<0.005		<0.005	0.00209 (J)
8/22/2024						0.00594		
1/27/2025								
1/28/2025			0.0032 (J)	0.00157 (J)			<0.005	
1/29/2025	<0.005	<0.005			<0.005	0.00511		<0.005
7/28/2025			0.00415 (J)					
7/29/2025				<0.005			<0.005	<0.005
7/30/2025	<0.005	0.00347 (J)			<0.005	0.00521		
1/27/2026	0.00372 (J)		0.00534					<0.005
1/28/2026		<0.005		<0.005	<0.005	0.00655	<0.005	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-14	GWC-11	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
9/29/2000	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.12
11/21/2000	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.13
1/20/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.14
3/14/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.13
7/16/2001	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.18
11/1/2001	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	
11/2/2001					<0.02				0.12
4/25/2002			<0.02			<0.02	<0.02	<0.02	
4/26/2002	<0.02	<0.02		<0.02	<0.02				0.15
11/20/2002							0.0069		0.15
11/21/2002			0.03	0.0071	0.014	0.0099		0.0069	
11/22/2002		<0.02							
6/6/2003	0.047		0.0065			0.019	0.16 (O)	0.082	0.11
6/7/2003		<0.02		0.0098	<0.02				
12/12/2003	0.0086	<0.02	0.0052	0.0074	<0.02	0.018		0.012	0.089
12/17/2003							<0.02		
5/26/2004	<0.02					<0.02	<0.02	<0.02	0.09
5/27/2004		<0.02	<0.02	<0.02	<0.02				
12/8/2004	<0.02	<0.02	0.0074			<0.02	<0.02	<0.02	
12/9/2004				<0.02	<0.02				
12/10/2004									0.072
6/21/2005	<0.02						<0.02	<0.02	0.04
6/22/2005		<0.02		<0.02	<0.02				
6/23/2005			0.01			<0.02			
12/3/2005	<0.02		0.0065			<0.02			
12/4/2005				<0.02			<0.02	<0.02	
12/5/2005		<0.02			<0.02				0.021
4/4/2006			0.013					<0.02	
6/27/2006	<0.02						0.0029		
6/28/2006				<0.02					
6/29/2006		<0.02	0.0045		<0.02	<0.02		<0.02	0.02
8/30/2006			0.0039					<0.02	
12/3/2006	0.0027	<0.02		<0.02	<0.02				
12/4/2006			0.016			<0.02	0.0047	0.0031	0.022
2/15/2007			0.017					0.0025	
6/23/2007	0.0027	<0.02	0.0076	0.0036	<0.02	<0.02	0.0029	0.0032	0.027
9/11/2007			0.012					<0.02	
9/12/2007						0.0026	0.0032		
9/13/2007		<0.02		<0.02	<0.02				
9/14/2007	0.0035								0.019
11/6/2007			0.016			<0.02		<0.02	
11/7/2007		<0.02					0.0025		
11/8/2007	0.0044			<0.02	<0.02				0.023
12/11/2007	0.0033	<0.02		<0.02	<0.02				0.017
12/12/2007			0.017			<0.02	<0.02	<0.02	
1/15/2008		<0.02		<0.02					
1/16/2008			<0.02		<0.02	<0.02		0.02	
1/17/2008							0.0029		0.018
1/18/2008	0.0052								
3/11/2008		<0.02	0.012					<0.02	
3/12/2008					<0.02	<0.02	<0.02		
3/13/2008	0.0045			<0.02					0.016

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-14	GWC-11	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
6/3/2008		<0.02		<0.02					
6/4/2008	0.0073				<0.02		0.0033		
6/5/2008			0.017			<0.02		<0.02	0.016
6/23/2008	0.0074	<0.02		<0.02	<0.02				
6/24/2008			0.0069			<0.02	<0.02	<0.02	0.053
7/29/2008	0.0068			<0.02	<0.02				
7/30/2008		<0.02							0.022
7/31/2008			0.0074			<0.02	<0.02	0.0031	
11/3/2008			0.016					0.0032	
12/4/2008	0.0084	<0.02	0.013	<0.02	<0.02				
12/5/2008						<0.02	<0.02	<0.02	0.0078
3/25/2009			0.014					<0.02	
7/7/2009	0.023						<0.02		0.012
7/8/2009		<0.02	0.014	0.0026	0.0029	<0.02		0.0036	
9/14/2009			0.0072					0.0026	
12/20/2009	0.007		0.02			<0.02	<0.02	0.0031	
12/21/2009		<0.02		<0.02	<0.02				0.011
3/4/2010			0.023					<0.02	
6/20/2010	0.0047	<0.02	0.017	<0.02	<0.02	<0.02	0.0037		0.0083
6/21/2010								0.0025	
9/14/2010			0.018					0.0035	
1/6/2011				0.003			<0.02		
1/7/2011	0.018	<0.02	0.019		<0.02	<0.02		0.0036	0.0079
4/15/2011			0.019					<0.02	
7/7/2011	0.019	<0.02	0.014	0.004		0.0036	0.0045	0.003	0.007
7/8/2011					<0.02				
9/25/2011			0.015					0.0037	
1/17/2012	0.0298	<0.02	0.021	<0.02		<0.02	<0.02		
1/18/2012					<0.02			<0.02	0.0116
4/4/2012			0.0191					<0.02	
7/9/2012	0.14	<0.02	0.026	0.005		0.0059	0.0026		
7/10/2012					<0.02			0.0026	0.0096
10/9/2012			0.049					0.007	
1/17/2013		<0.02		0.005			<0.02		
1/18/2013	0.21		0.036		<0.02	<0.02		<0.02	<0.02
4/5/2013			0.04					<0.02	
7/16/2013		<0.02		<0.02			<0.02		
7/17/2013	0.18		0.062		<0.02	<0.02		<0.02	<0.02
10/11/2013			0.032					<0.02	
1/13/2014	0.24	0.004 (J)		0.0033 (J)		0.0021 (J)	0.0024 (J)		
1/14/2014			0.044		<0.02			0.003 (J)	0.0047 (J)
4/3/2014			0.077 (O)					0.0032 (J)	
7/8/2014		0.0034 (J)		0.0024 (J)					
7/9/2014	0.22		0.032		0.0016 (J)	0.0012 (J)	0.0041 (J)	0.0031 (J)	0.0039 (J)
7/10/2014									
10/24/2014			0.045					0.0028 (J)	
1/12/2015									
1/13/2015	0.19	<0.02		0.0023 (J)		0.0013 (J)	0.0029 (J)		
1/14/2015			0.031		<0.02			0.0034 (J)	0.005
5/10/2015			0.013						
5/11/2015								0.0026 (J)	
7/16/2015	0.23	0.0049 (J)		0.002 (J)		<0.02	0.0034 (J)	0.0028 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-14	GWC-11	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
7/17/2015			0.028		0.0029 (J)				0.0045 (J)
7/18/2015									
10/6/2015			0.02					0.0016 (J)	
1/17/2016			0.028			0.0013 (J)	0.0046 (J)	0.0029 (J)	
1/18/2016	0.41 (O)	0.0058			<0.02				0.0044 (J)
1/19/2016				0.0025 (J)					
4/26/2016			0.0181					0.00296 (J)	
7/26/2016				0.0027 (J)					
7/27/2016	0.397 (O)	0.0058 (J)	0.0189			<0.02	0.0064 (J)		
7/28/2016					<0.02			0.0026 (J)	0.0038 (J)
7/29/2016									
10/24/2016									
10/25/2016	0.425 (O)		0.0206			<0.02		<0.02	
1/3/2017									
1/4/2017		<0.02		<0.02			<0.02	<0.02	
1/5/2017			0.0172			<0.02			0.0077 (J)
1/6/2017	0.41 (O)				<0.02				
4/3/2017						0.002 (J)			
4/4/2017			0.0235				0.0061 (J)		
4/5/2017		0.0039 (J)						0.0033 (J)	
4/6/2017	0.297 (O)			0.0025 (J)	<0.02				0.0069 (J)
7/10/2017		0.0062 (J)							
7/11/2017			0.0136	0.0027 (J)		0.0022 (J)			
7/12/2017					0.0013 (J)		0.0067 (J)	0.0037 (J)	0.0098 (J)
7/13/2017	0.194								
10/2/2017			0.0175			0.0022 (J)			
10/3/2017								0.0036 (J)	
10/4/2017	0.316 (O)								
1/9/2018	0.194		0.0103			0.0021 (J)			0.0086 (J)
1/10/2018							0.0056 (J)	0.0029 (J)	
1/11/2018		0.0025 (J)		0.0019 (J)	<0.02				
7/9/2018			0.0078 (J)						
7/10/2018						0.0025 (J)	0.0056 (J)	0.0025 (J)	0.0098 (J)
7/11/2018	0.15	0.0059 (J)		0.0021 (J)	<0.02				
1/16/2019	0.16		0.0043 (J)				0.0043 (J)		0.077
1/17/2019		<0.02		0.0021 (J)		<0.02		0.0021 (J)	
1/18/2019					<0.02				
1/21/2019									
3/25/2019	0.18								
3/26/2019			0.0063 (J)			0.0026 (J)	0.0051 (J)	0.0038 (J)	0.086
3/27/2019		0.0049 (J)		0.0023 (J)	<0.02				
7/30/2019									
10/7/2019									
10/8/2019	0.11		<0.02	<0.02		<0.02		<0.02	
10/9/2019		0.0021 (J)			<0.02		<0.02		0.018 (J)
4/6/2020	0.12								
4/7/2020		0.0024 (J)	0.0026 (J)	<0.02		<0.02	0.0015 (J)	<0.02	0.041 (J)
4/8/2020					0.0015 (J)				
9/28/2020	0.1						0.0042 (J)		
9/29/2020		0.0046 (J)	<0.02	0.0023 (J)					
9/30/2020						0.0028 (J)		0.0028 (J)	0.018
10/1/2020					<0.02				

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-12	GWC-14	GWC-11	GWC-9	GWC-15	GWC-1	GWC-16	GWB-6R
3/10/2021		0.0055 (J)		0.0023 (J)	<0.02		0.005 (J)		0.027
3/11/2021	0.14								
3/12/2021						0.0037 (J)			
3/15/2021									
3/16/2021			<0.02					0.0034 (J)	
9/21/2021	0.096	0.0051 (J)		0.002 (J)					0.015
9/22/2021			0.0052 (J)		<0.02			0.0025 (J)	
9/23/2021						0.0022 (J)	0.0042 (J)		
1/31/2022	0.1								
2/1/2022								0.0021 (J)	
2/2/2022			0.004 (J)		<0.02				0.0099 (J)
2/3/2022		0.0052 (J)		0.0031 (J)		0.0023 (J)	0.0028 (J)		
8/30/2022	0.11	0.00949 (J)	0.00933 (J)						0.0192 (J)
8/31/2022				0.00481 (J)		0.00476 (J)			
9/1/2022					0.00514 (J)		0.00748 (J)	0.0065 (J)	
1/31/2023	0.106								
2/1/2023		0.0056 (J)		0.00373 (J)	<0.02			0.00361 (J)	0.0201
2/2/2023			0.00594 (J)			0.00453 (J)	0.00497 (J)		
8/28/2023	0.137								
8/29/2023					0.0103 (J)		0.0146 (J)		0.0226
9/6/2023		0.0101 (J)	0.00671 (J)	0.00685 (J)				0.00631 (J)	
9/7/2023						0.00462 (J)			
1/23/2024	0.148						<0.02		0.022
1/24/2024				0.00641 (J)	<0.02	0.00594 (J)			
1/25/2024		0.00544 (J)	0.00731 (J)					0.00575 (J)	
2/7/2024									
2/8/2024									
8/19/2024	0.125								
8/20/2024							<0.02		0.0155 (J)
8/21/2024		0.00869 (J)	0.0038 (J)	0.00332 (J)	<0.02	0.00338 (J)		0.00407 (J)	
8/22/2024									
1/27/2025									
1/28/2025	0.167			<0.02					0.0211
1/29/2025		0.00777 (J)	0.00825 (J)		<0.02	0.00419 (J)	0.00626 (J)	0.00543 (J)	
7/28/2025	0.156								
7/29/2025				0.00404 (J)			0.00673 (J)		0.0285
7/30/2025		0.0107 (J)	0.00867 (J)		0.00373 (J)	0.00438 (J)		0.00574 (J)	
1/27/2026	0.138			<0.02		0.00432 (J)	0.00517 (J)		
1/28/2026		0.0102 (J)	0.0078 (J)		0.00414 (J)			0.00515 (J)	0.0275

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-21	GWC-20	GWC-22
9/29/2000	0.038	<0.02	0.06	<0.02	<0.02				
11/21/2000	0.013	<0.02	0.068		<0.02	<0.02			
1/20/2001	0.038	<0.02	0.12	<0.02	<0.02	<0.02			
3/14/2001	0.077	<0.02	0.08	<0.02	<0.02	<0.02			
7/16/2001	0.12 (O)	<0.02	0.11	<0.02	<0.02	<0.02			
11/1/2001		<0.02		<0.02	<0.02	<0.02			
11/2/2001	0.21 (O)		0.079						
4/25/2002		<0.02				<0.02			
4/26/2002	0.086		0.11	<0.02	<0.02				
11/20/2002	0.14 (O)		0.15						
11/21/2002		<0.02		<0.02					
11/22/2002					<0.02	<0.02			
6/6/2003	0.12 (O)	<0.02	0.12	0.017		<0.02			
6/7/2003					0.0063				
12/12/2003	0.014	<0.02	0.13	0.011	<0.02	<0.02			
12/17/2003									
5/26/2004	0.06		0.095	<0.02					
5/27/2004		<0.02			<0.02	<0.02			
12/8/2004		<0.02		<0.02		<0.02			
12/9/2004					<0.02				
12/10/2004	0.054		0.067						
6/21/2005	0.038		0.062	<0.02					
6/22/2005					<0.02				
6/23/2005		<0.02				<0.02			
12/3/2005				<0.02		<0.02			
12/4/2005									
12/5/2005	0.0056	<0.02	0.09		<0.02				
4/4/2006				<0.02					
6/27/2006	0.0043		0.083	<0.02					
6/28/2006									
6/29/2006		0.0025			<0.02	<0.02			
8/30/2006				<0.02					
12/3/2006				<0.02	<0.02				
12/4/2006	0.0044	<0.02	0.084			<0.02			
2/15/2007				<0.02					
6/23/2007	0.0039	<0.02	0.081	<0.02	<0.02	<0.02			
9/11/2007				<0.02					
9/12/2007	0.0031	<0.02	0.076			<0.02			
9/13/2007					<0.02				
9/14/2007									
11/6/2007		<0.02				<0.02			
11/7/2007	0.0035		0.081		<0.02				
11/8/2007				0.0026					
12/11/2007				<0.02	<0.02				
12/12/2007	0.0029	<0.02	0.067			<0.02			
1/15/2008					<0.02				
1/16/2008		<0.02				<0.02			
1/17/2008	0.0032		0.069						
1/18/2008				<0.02					
3/11/2008				<0.02	<0.02				
3/12/2008			0.054			<0.02			
3/13/2008	0.0026	<0.02							

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-21	GWC-20	GWC-22
6/3/2008					<0.02				
6/4/2008	<0.02	<0.02		<0.02					
6/5/2008			0.055			<0.02			
6/23/2008				<0.02	<0.02				
6/24/2008	0.003	<0.02	0.059			<0.02			
7/29/2008				<0.02					
7/30/2008	<0.02		0.059		<0.02				
7/31/2008		<0.02				<0.02			
11/3/2008				<0.02					
12/4/2008				<0.02	<0.02	<0.02			
12/5/2008	<0.02	<0.02	0.054						
3/25/2009				<0.02					
7/7/2009	<0.02		0.038	<0.02					
7/8/2009		<0.02			<0.02	<0.02			
9/14/2009				<0.02					
12/20/2009				<0.02		<0.02			
12/21/2009	<0.02	<0.02	0.06		<0.02				
3/4/2010				<0.02					
6/20/2010	<0.02			<0.02	<0.02	<0.02			
6/21/2010		<0.02	0.036				<0.02	<0.02	<0.02
9/14/2010				<0.02					
1/6/2011	0.0067				0.0028	<0.02			
1/7/2011		<0.02	0.043	<0.02			0.0031	0.0029	<0.02
4/15/2011				<0.02					
7/7/2011	0.019			<0.02	<0.02	<0.02			
7/8/2011		0.0031	0.044				0.0048	0.0046	<0.02
9/25/2011				<0.02					
1/17/2012	0.021			<0.02	<0.02	<0.02			
1/18/2012		<0.02	0.045				<0.02	<0.02	<0.02
4/4/2012				<0.02					
7/9/2012	0.032				<0.02	<0.02			
7/10/2012		<0.02	0.048	<0.02			<0.02	0.0081	<0.02
10/9/2012				<0.02					
1/17/2013	0.034				<0.02	<0.02			
1/18/2013		<0.02	0.049	<0.02			<0.02	0.0063	<0.02
4/5/2013				<0.02					
7/16/2013	0.021				<0.02				
7/17/2013		<0.02	0.05	<0.02		<0.02	<0.02	<0.02	<0.02
10/11/2013				<0.02					
1/13/2014	0.0084				0.0011 (J)	<0.02			
1/14/2014		0.0031 (J)	0.067	<0.02			0.0057	0.0026 (J)	0.0026 (J)
4/3/2014				0.0015 (J)					
7/8/2014					0.002 (J)				
7/9/2014	0.0052	0.0012 (J)	0.055	0.0012 (J)		<0.02	0.0019 (J)		
7/10/2014								0.0026 (J)	0.0053
10/24/2014				<0.02					
1/12/2015			0.066					0.0031 (J)	
1/13/2015	0.0036 (J)				0.0015 (J)	<0.02			
1/14/2015		0.002 (J)		<0.02			0.0037 (J)		0.0013 (J)
5/10/2015				<0.02					
5/11/2015									
7/16/2015	0.004 (J)		0.045		<0.02	<0.02			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-21	GWC-20	GWC-22
7/17/2015				<0.02			0.0028 (J)		
7/18/2015		<0.02						0.003 (J)	0.0043 (J)
10/6/2015				0.0012 (J)					
1/17/2016						<0.02	0.0039 (J)	0.0025 (J)	
1/18/2016	0.0069	0.0019 (J)	0.049	0.00079 (J)	0.0011 (J)				<0.02
1/19/2016									
4/26/2016				<0.02					
7/26/2016					<0.02				
7/27/2016	0.0046 (J)					<0.02			
7/28/2016				<0.02			0.0022 (J)	0.0024 (J)	
7/29/2016		0.0031 (J)	0.0388						0.0052 (J)
10/24/2016				<0.02					
10/25/2016								<0.02	
1/3/2017	<0.02			<0.02					
1/4/2017							<0.02	<0.02	<0.02
1/5/2017		<0.02			<0.02	<0.02			
1/6/2017			0.0341						
4/3/2017				<0.02					
4/4/2017			0.0371			<0.02	0.003 (J)	0.0024 (J)	
4/5/2017		0.0029 (J)							
4/6/2017	0.0063 (J)				<0.02				<0.02
7/10/2017									
7/11/2017				<0.02				0.003 (J)	0.0016 (J)
7/12/2017	0.0064 (J)		0.0399		0.0016 (J)				
7/13/2017		0.0037 (J)				<0.02	0.0019 (J)		
10/2/2017				<0.02				0.0028 (J)	
10/3/2017									
10/4/2017									
1/9/2018				0.0014 (J)			0.0046 (J)		
1/10/2018	0.0077 (J)				0.0019 (J)	<0.02		0.0026 (J)	
1/11/2018		0.0026 (J)	0.0327						0.0012 (J)
7/9/2018				<0.02				<0.02	
7/10/2018	0.016					<0.02	0.0031 (J)		
7/11/2018		0.0032 (J)	0.02		0.0097 (J)				0.0025 (J)
1/16/2019	0.0033 (J)	<0.02	0.0022 (J)	<0.02	<0.02				
1/17/2019							0.0022 (J)		
1/18/2019									<0.02
1/21/2019						0.0024 (J)		0.0031 (J)	
3/25/2019			0.004 (J)	<0.02				0.0024 (J)	
3/26/2019	0.0058 (J)	0.0024 (J)			0.0029 (J)		0.0041 (J)		
3/27/2019									0.002 (J)
7/30/2019						<0.02			
10/7/2019				<0.02					
10/8/2019					<0.02		<0.02		
10/9/2019	0.033 (J)	<0.02	<0.02			<0.02		<0.02	<0.02
4/6/2020				<0.02					
4/7/2020	0.0053 (J)		0.0037 (J)				<0.02		0.0014 (J)
4/8/2020		<0.02			<0.02	<0.02		<0.02	
9/28/2020				<0.02	<0.02				
9/29/2020						<0.02			
9/30/2020	0.0037 (J)	<0.02					0.0029 (J)	0.0029 (J)	<0.02
10/1/2020			0.0047 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWC-17	GWB-4R	GWA-8 (bg)	GWC-13	GWC-2	GWC-21	GWC-20	GWC-22
3/10/2021	0.0026 (J)		0.0054 (J)						<0.02
3/11/2021		<0.02							
3/12/2021				<0.02				0.0038 (J)	
3/15/2021					<0.02	<0.02			
3/16/2021							0.003 (J)		
9/21/2021	0.0039 (J)		0.0027 (J)	<0.02	<0.02				<0.02
9/22/2021		<0.02				<0.02	<0.02	0.0033 (J)	
9/23/2021									
1/31/2022				<0.02					
2/1/2022		0.0022 (J)					0.0036 (J)	0.0039 (J)	
2/2/2022			0.0031 (J)			<0.02			
2/3/2022	0.0046 (J)				<0.02				<0.02
8/30/2022	0.0138 (J)		0.00943 (J)	0.00372 (J)			0.00715 (J)	0.00647 (J)	
8/31/2022		0.00599 (J)			<0.02				0.00396 (J)
9/1/2022						0.0045 (J)			
1/31/2023				<0.02					
2/1/2023	0.0255	0.005 (J)			<0.02			0.00526 (J)	
2/2/2023			0.021			<0.02	0.00537 (J)		<0.02
8/28/2023				0.0148 (J)					
8/29/2023	0.00917 (J)	0.0108 (J)	0.0201		0.0188 (J)	0.00777 (J)			0.0353
9/6/2023							0.0101 (J)	0.00768 (J)	
9/7/2023									
1/23/2024				0.00564 (J)					0.00394 (J)
1/24/2024		0.0059 (J)						0.00642 (J)	
1/25/2024					0.00439 (J)	<0.02	0.00735 (J)		
2/7/2024			0.0119 (J)						
2/8/2024	0.0609								
8/19/2024									
8/20/2024			0.0189 (J)						
8/21/2024	0.0209	<0.02		<0.02	<0.02	<0.02		0.00558 (J)	<0.02
8/22/2024							0.00457 (J)		
1/27/2025				<0.02					
1/28/2025		<0.02	0.0116 (J)						<0.02
1/29/2025	0.0125 (J)				0.00361 (J)	<0.02	0.00701 (J)	0.00736 (J)	
7/28/2025			0.0278	0.00341 (J)					
7/29/2025		0.00465 (J)						0.00636 (J)	0.00665 (J)
7/30/2025	0.00844 (J)				0.00332 (J)	0.00539 (J)	0.00587 (J)		
1/27/2026			0.0198 (J)	<0.02				0.00512 (J)	
1/28/2026	0.00881 (J)	0.00484 (J)			0.00412 (J)	0.00438 (J)	0.00759 (J)		0.0048 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWC-14
9/29/2000	<0.02	<0.02	<0.02	<0.02	0.026	<0.02	<0.02	<0.02	<0.02
11/21/2000	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.024	<0.02	<0.02
1/20/2001	<0.02	<0.02	0.041	<0.02	0.031	<0.02	<0.02	<0.02	<0.02
3/14/2001	<0.02	<0.02	<0.02	<0.02	0.063	<0.02	<0.02	<0.02	<0.02
7/16/2001	<0.02	<0.02	0.059	<0.02	0.08	<0.02	<0.02	<0.02	<0.02
11/1/2001	<0.02	<0.02		<0.02		<0.02		<0.02	<0.02
11/2/2001			<0.02		0.16		<0.02		
4/25/2002		<0.02		<0.02		<0.02		<0.02	<0.02
4/26/2002	<0.02		<0.02		<0.02		<0.02		
11/20/2002			0.061		0.14		0.028	<0.02	
11/21/2002		0.014		<0.02		<0.02			<0.02
11/22/2002									
6/6/2003	0.69 (O)	0.012	0.041	0.035	0.51 (O)	<0.02	0.032	0.011	<0.02
6/7/2003									
12/12/2003	0.12	<0.02	0.012	<0.02	<0.02	<0.02	<0.02		<0.02
12/17/2003								<0.02	
5/26/2004	0.013		0.016	<0.02	0.036	<0.02	<0.02	<0.02	
5/27/2004		<0.02							<0.02
12/8/2004	<0.02	<0.02		<0.02		<0.02		<0.02	<0.02
12/9/2004									
12/10/2004			<0.02		0.069		0.012		
6/21/2005	<0.02		<0.02	<0.02	0.076		<0.02	<0.02	
6/22/2005									
6/23/2005		<0.02				<0.02			<0.02
12/3/2005	0.014					0.064 (O)			0.011
12/4/2005				<0.02				<0.02	
12/5/2005		<0.02	0.017		<0.02		<0.02		
4/4/2006				<0.02					<0.02
6/27/2006	0.01		0.11		0.01			<0.02	
6/28/2006									
6/29/2006		0.0046		0.077 (O)		0.011	0.0071		<0.02
8/30/2006				0.0027					<0.02
12/3/2006	0.0065								
12/4/2006		0.0071	0.086	<0.02	0.0035	0.0033	0.0096	<0.02	<0.02
2/15/2007				0.0032					<0.02
6/23/2007	0.0049	0.005	0.076	0.0058	0.0032	0.0029	0.094 (O)	<0.02	<0.02
9/11/2007				0.0033					<0.02
9/12/2007		0.0051	0.076		0.0048	0.0028		<0.02	
9/13/2007									
9/14/2007	0.0052						0.019		
11/6/2007		0.003		<0.02		<0.02			<0.02
11/7/2007			0.069		<0.02			<0.02	
11/8/2007	0.0026						0.051		
12/11/2007	0.0043						0.042		
12/12/2007		0.0033	0.087	<0.02	0.0079	<0.02		<0.02	<0.02
1/15/2008									
1/16/2008		0.0027		<0.02		<0.02			<0.02
1/17/2008			0.021		<0.02		0.012	<0.02	
1/18/2008	0.0046								
3/11/2008				<0.02					<0.02
3/12/2008			0.063			<0.02		0.0031	
3/13/2008	0.0054	0.0056			0.0036		0.047		

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWC-14
6/3/2008									
6/4/2008	0.004	0.0036			0.0025			0.0026	
6/5/2008			0.028	0.003		<0.02	0.021		<0.02
6/23/2008	0.0025								
6/24/2008		0.0037	0.062	<0.02	<0.02	<0.02	0.098 (O)	<0.02	<0.02
7/29/2008	<0.02								
7/30/2008			0.025		<0.02		0.015		
7/31/2008		0.0037		<0.02		<0.02		<0.02	<0.02
11/3/2008				0.0025					<0.02
12/4/2008	0.0025								<0.02
12/5/2008		0.0027	0.014	<0.02	<0.02	<0.02	0.047	<0.02	
3/25/2009				0.0025					<0.02
7/7/2009	<0.02		0.052		<0.02		0.024	<0.02	
7/8/2009		0.0048		<0.02		<0.02			<0.02
9/14/2009				<0.02					<0.02
12/20/2009	0.0031			<0.02		<0.02		<0.02	<0.02
12/21/2009		0.0032	0.046		<0.02		0.049		
3/4/2010				<0.02					<0.02
6/20/2010	<0.02				<0.02	<0.02	0.045	<0.02	<0.02
6/21/2010		0.0028	0.045	<0.02					
9/14/2010				<0.02					<0.02
1/6/2011					<0.02			<0.02	
1/7/2011	<0.02	0.003	0.024	<0.02		<0.02	0.0044		<0.02
4/15/2011				<0.02					<0.02
7/7/2011	0.0031			<0.02	0.0027	<0.02	0.003	0.0025	<0.02
7/8/2011		0.0034	0.023						
9/25/2011				0.0028					<0.02
1/17/2012	0.004				0.0039	<0.02		<0.02	<0.02
1/18/2012		0.0049	0.011	0.0029			0.0048		
4/4/2012				<0.02					<0.02
7/9/2012	0.0096				<0.02	<0.02		<0.02	<0.02
7/10/2012		0.0039	0.024	<0.02			<0.02		
10/9/2012				0.0027					<0.02
1/17/2013					<0.02			<0.02	
1/18/2013	0.051	0.0043	0.011	<0.02		<0.02	0.0028		<0.02
4/5/2013				<0.02					<0.02
7/16/2013					0.0032			<0.02	
7/17/2013	0.042	0.0035	0.0029	<0.02		<0.02	<0.02		<0.02
10/11/2013				<0.02					<0.02
1/13/2014	0.062				0.0029	0.0031		0.0025	
1/14/2014		0.0066	0.012	0.016			0.0034		0.0025
4/3/2014				0.0015 (J)					0.0014 (J)
7/8/2014									
7/9/2014	0.064	0.0033	0.0051	0.0012 (J)	0.00076 (J)	<0.02	0.00093 (J)	<0.02	0.00086 (J)
7/10/2014									
10/24/2014				0.0013 (J)					0.00083 (J)
1/12/2015			0.0023 (J)						
1/13/2015	0.066				0.0036	<0.02		0.0025	
1/14/2015		0.0067		0.0017 (J)			0.0023 (J)		<0.02
5/10/2015									<0.02
5/11/2015				0.0015 (J)					
7/16/2015	0.036		0.0021 (J)	<0.02	<0.02	<0.02		<0.02	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWC-14
7/17/2015							<0.02		<0.02
7/18/2015		<0.02							
10/6/2015				<0.02					<0.02
1/17/2016				<0.02		<0.02		<0.02	<0.02
1/18/2016	0.035	0.012	0.0092		<0.02		0.0029		
1/19/2016									
4/26/2016				<0.02					<0.02
7/26/2016									
7/27/2016	0.0529				0.0015 (J)	<0.02		<0.02	<0.02
7/28/2016				<0.02			<0.02		
7/29/2016		0.0086 (J)	0.003 (J)						
10/24/2016									
10/25/2016	0.0035 (J)			<0.02		<0.02			<0.02
1/3/2017					<0.02				
1/4/2017				0.0025 (J)				<0.02	
1/5/2017		0.016				<0.02	<0.02		<0.02
1/6/2017	0.0235		0.0104						
4/3/2017						<0.02			
4/4/2017			0.0132					<0.02	<0.02
4/5/2017		0.0175		0.0025 (J)					
4/6/2017	0.0829				0.0023 (J)		0.0032 (J)		
7/10/2017									
7/11/2017						<0.02			<0.02
7/12/2017			0.0046 (J)	0.002 (J)	<0.02		0.002 (J)	<0.02	
7/13/2017	0.0853	0.0126							
10/2/2017						<0.02			0.0026 (J)
10/3/2017				<0.02					
10/4/2017	0.0263								
1/9/2018	0.0665					<0.02	0.0036 (J)		0.0018 (J)
1/10/2018				0.0016 (J)	0.0022 (J)			0.0014 (J)	
1/11/2018		0.012	0.0095 (J)						
7/9/2018									<0.02
7/10/2018				0.0031 (J)	<0.02	<0.02	0.0055 (J)	0.0021 (J)	
7/11/2018	0.02 (J)	0.011	0.0028 (J)						
1/16/2019	0.014 (J)	0.0094 (J)	0.0052 (J)		<0.02		<0.02	<0.02	<0.02
1/17/2019				<0.02		<0.02			
1/18/2019									
1/21/2019									
3/25/2019	<0.05 (O)		0.0078 (J)						
3/26/2019		0.0057 (J)		<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
3/27/2019									
7/30/2019									
10/7/2019									
10/8/2019	0.095			0.01		0.0051 (J)			0.0052 (J)
10/9/2019		0.011	0.0064 (J)		0.0081 (J)		0.016 (J)	0.0057 (J)	
4/6/2020	<0.02								
4/7/2020			<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
4/8/2020		<0.02							
9/28/2020	0.16							0.0092 (J)	
9/29/2020									<0.02
9/30/2020		0.0043 (J)		0.0051 (J)	<0.02	0.032	<0.02		
10/1/2020			0.0064 (J)						

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWA-7 (bg)	GWC-17	GWB-4R	GWC-16	GWB-5R	GWC-15	GWB-6R	GWC-1	GWC-14
3/10/2021			<0.02		<0.02		<0.02	<0.02	
3/11/2021	0.054	0.0056 (J)							
3/12/2021						<0.02			
3/15/2021									
3/16/2021				<0.02					<0.02
9/21/2021	<0.02		<0.02		<0.02		<0.02		
9/22/2021		<0.02		<0.02					0.01
9/23/2021						<0.02		<0.02	
1/31/2022	<0.02								
2/1/2022		0.011		<0.02					
2/2/2022			<0.02				<0.02		<0.02
2/3/2022					<0.02	<0.02		<0.02	
8/30/2022	0.011 (J)		<0.02		<0.02		0.0132 (J)		<0.02
8/31/2022		0.0068 (J)				0.00395 (J)			
9/1/2022				0.0119 (J)				0.00578 (J)	
1/31/2023	0.00457 (J)								
2/1/2023		0.00583 (J)		<0.02	<0.02		0.0121 (J)		
2/2/2023			<0.02			<0.02		<0.02	<0.02
8/28/2023	0.00851 (J)								
8/29/2023		0.00535 (J)	<0.02		<0.02		0.0406	<0.02	
9/6/2023				<0.02					<0.02
9/7/2023						<0.02			
1/23/2024	0.00392 (J)						0.0212	<0.02	
1/24/2024		0.00654 (J)				<0.02			
1/25/2024				<0.02					<0.02
2/7/2024			0.00455 (J)						
2/8/2024					<0.02				
8/19/2024	0.00727 (J)								
8/20/2024			0.00972 (J)				0.0355	0.00917 (J)	
8/21/2024		0.0066 (J)		<0.02	<0.02	<0.02			<0.02
8/22/2024									
1/27/2025									
1/28/2025	0.00891 (J)	0.00759 (J)	0.00735 (J)				0.0206		
1/29/2025				<0.02	<0.02	<0.02		0.00514 (J)	<0.02
7/28/2025	0.00395 (J)		<0.02						
7/29/2025		0.0063 (J)					0.0152 (J)	<0.02	
7/30/2025				<0.02	<0.02	<0.02			<0.02
1/27/2026	0.0082 (J)		<0.02			<0.02		<0.02	
1/28/2026		0.0117 (J)		<0.02	<0.02		0.0373		<0.02

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWA-8 (bg)	GWC-11	GWC-9	GWC-12	GWC-2	GWC-21	GWC-22	GWC-20
9/29/2000	<0.02	<0.02	<0.02	<0.02	0.38				
11/21/2000	<0.02		<0.02	<0.02	0.077	0.021			
1/20/2001	<0.02	0.025	<0.02	<0.02	0.23	<0.02			
3/14/2001	<0.02	<0.02	<0.02	<0.02	0.24	<0.02			
7/16/2001	<0.02	<0.02	<0.02	<0.02	0.053	<0.02			
11/1/2001	0.044	<0.02	<0.02		0.022	<0.02			
11/2/2001				<0.02					
4/25/2002						<0.02			
4/26/2002	<0.02	<0.02	<0.02	<0.02	1.2 (O)				
11/20/2002									
11/21/2002		0.016	<0.02	0.033					
11/22/2002	0.023				0.045	<0.02			
6/6/2003		0.032				<0.02			
6/7/2003	<0.02		<0.02	<0.02	0.042				
12/12/2003	<0.02	0.019	0.013	<0.02	<0.02	<0.02			
12/17/2003									
5/26/2004		<0.02							
5/27/2004	0.035		<0.02	<0.02	<0.02	<0.02			
12/8/2004		<0.02			<0.02	<0.02			
12/9/2004	0.018		0.028	<0.02					
12/10/2004									
6/21/2005		<0.02							
6/22/2005	0.014		<0.02	<0.02	<0.02				
6/23/2005						<0.02			
12/3/2005		0.01				0.012			
12/4/2005			<0.02						
12/5/2005	0.023			0.032	<0.02				
4/4/2006		<0.02							
6/27/2006		0.0043							
6/28/2006			0.0028						
6/29/2006	0.023			0.018	0.012	<0.02			
8/30/2006		0.017							
12/3/2006	0.046	0.0053	0.0028	0.0044	0.0067				
12/4/2006						<0.02			
2/15/2007		0.0045							
6/23/2007	0.036	0.0043	0.0063	0.0041	0.025	<0.02			
9/11/2007		0.004							
9/12/2007						0.0049			
9/13/2007	0.033		0.0026	<0.02	0.0044				
9/14/2007									
11/6/2007						<0.02			
11/7/2007	0.012				0.0036				
11/8/2007		0.0035	<0.02	<0.02					
12/11/2007	0.011	0.0048	<0.02	0.0039	0.0038				
12/12/2007						<0.02			
1/15/2008	0.019		<0.02		0.0077				
1/16/2008				<0.02		<0.02			
1/17/2008									
1/18/2008		0.005							
3/11/2008	0.0092	0.0043			0.0058				
3/12/2008				<0.02		0.003			
3/13/2008			<0.02						

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWA-8 (bg)	GWC-11	GWC-9	GWC-12	GWC-2	GWC-21	GWC-22	GWC-20
6/3/2008	0.028		0.0026		0.0048				
6/4/2008		0.004		<0.02					
6/5/2008						0.0025			
6/23/2008	0.0091	0.0037	<0.02	<0.02	0.0051				
6/24/2008						<0.02			
7/29/2008		0.0028	0.0031	<0.02					
7/30/2008	0.0065				0.0034				
7/31/2008						<0.02			
11/3/2008		0.0032							
12/4/2008	0.0038	0.0029	<0.02	0.0039	<0.02	<0.02			
12/5/2008									
3/25/2009		0.0055							
7/7/2009		0.0028							
7/8/2009	<0.02		<0.02	<0.02	<0.02	<0.02			
9/14/2009		0.0027							
12/20/2009		0.0029				<0.02			
12/21/2009	0.0032		<0.02	0.004	0.013				
3/4/2010		0.0042							
6/20/2010	<0.02	0.0027	<0.02	<0.02	<0.02	<0.02			
6/21/2010							0.04	<0.02	<0.02
9/14/2010		<0.02							
1/6/2011	0.004		<0.02			<0.02			
1/7/2011		0.0032		0.0032	0.004		<0.02	0.019	<0.02
4/15/2011		<0.02							
7/7/2011	0.0037	0.005	<0.02		0.0028	<0.02			
7/8/2011				0.0025			0.0044	0.1 (O)	0.086
9/25/2011		0.0041							
1/17/2012	0.0031	0.0043	0.0043		0.0043	<0.02			
1/18/2012				0.0045			<0.02	0.0051	<0.02
4/4/2012		<0.02							
7/9/2012	0.003		<0.02		<0.02	<0.02			
7/10/2012		0.0028		<0.02			<0.02	0.01	<0.02
10/9/2012		0.0033							
1/17/2013	<0.02		0.0025		0.0033	<0.02			
1/18/2013		0.0038		0.0029			<0.02	0.0036	0.0032
4/5/2013		0.0026							
7/16/2013	0.0029		<0.02		0.0028				
7/17/2013		<0.02		<0.02		<0.02	<0.02	0.0025	<0.02
10/11/2013		0.0046							
1/13/2014	0.0042		0.0025		0.0051	0.0022 (J)			
1/14/2014		0.0043		0.012			0.0022 (J)	0.0037	0.0018 (J)
4/3/2014		0.0029							
7/8/2014	0.0018 (J)		0.0011 (J)		0.002 (J)				
7/9/2014		0.002 (J)		0.0016 (J)		0.00058 (J)	0.00084 (J)		
7/10/2014								0.024	<0.02
10/24/2014		0.0031							
1/12/2015									<0.02
1/13/2015	0.0028		0.0021 (J)		0.0079	0.0024 (J)			
1/14/2015		0.003		0.0024 (J)			0.0018 (J)	0.0016 (J)	
5/10/2015		0.0028							
5/11/2015									
7/16/2015	0.0018 (J)		<0.02		0.0026	<0.02			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWA-8 (bg)	GWC-11	GWC-9	GWC-12	GWC-2	GWC-21	GWC-22	GWC-20
7/17/2015		0.0018 (J)		0.0031			<0.02		
7/18/2015								0.014	<0.02
10/6/2015		0.0018 (J)							
1/17/2016						<0.02	<0.02		<0.02
1/18/2016	0.0017 (J)	0.0028		0.0059	0.0025			<0.02	
1/19/2016			0.0029						
4/26/2016		<0.02							
7/26/2016	0.0028 (J)		<0.02						
7/27/2016					0.0021 (J)	0.0018 (J)			
7/28/2016		0.0018 (J)		0.0019 (J)			<0.02		<0.02
7/29/2016								0.0129	
10/24/2016		0.0024 (J)							
10/25/2016									<0.02
1/3/2017		0.0035 (J)							
1/4/2017			<0.02		0.0025 (J)		<0.02	0.006 (J)	<0.02
1/5/2017	0.0021 (J)					<0.02			
1/6/2017				0.0026 (J)					
4/3/2017		0.0041 (J)							
4/4/2017						0.0015 (J)	0.0015 (J)		<0.02
4/5/2017					0.0026 (J)				
4/6/2017	0.0027 (J)		0.004 (J)	0.0047 (J)				0.0031 (J)	
7/10/2017					0.0023 (J)				
7/11/2017		0.0029 (J)	<0.02					0.0029 (J)	<0.02
7/12/2017	0.0043 (J)			0.003 (J)					
7/13/2017						0.0014 (J)	0.002 (J)		
10/2/2017		0.0026 (J)							<0.02
10/3/2017									
10/4/2017									
1/9/2018		0.0035 (J)					0.0016 (J)		
1/10/2018	0.0021 (J)					<0.02			0.0034 (J)
1/11/2018			0.0018 (J)	0.0046 (J)	0.0031 (J)			0.0106	
7/9/2018		0.0022 (J)							<0.02
7/10/2018						<0.02	<0.02		
7/11/2018	0.0039 (J)		<0.02	0.0033 (J)	0.0036 (J)			0.0057 (J)	
1/16/2019	0.047	0.0037 (J)							
1/17/2019			<0.02		0.0032 (J)		<0.02		
1/18/2019				0.0025 (J)				0.0024 (J)	
1/21/2019						<0.02			<0.02
3/25/2019		<0.02							<0.02
3/26/2019	0.03						<0.02		
3/27/2019			<0.02	0.0026 (J)	0.0031 (J)			<0.02	
7/30/2019						0.0067 (J)			
10/7/2019		0.0077 (J)							
10/8/2019	0.053		0.0061 (J)				0.0071 (J)		
10/9/2019				0.0054 (J)	0.0057 (J)	0.005 (J)		0.0079 (J)	0.0049 (J)
4/6/2020		<0.02							
4/7/2020			<0.02		<0.02		<0.02	<0.02	
4/8/2020	0.023			<0.02		<0.02			<0.02
9/28/2020	0.016	0.0092 (J)							
9/29/2020			0.0031 (J)		0.0074 (J)	0.056			
9/30/2020							0.0096 (J)	<0.02	0.031
10/1/2020				0.025					

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:02 PM View: Appendix I

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWA-8 (bg)	GWC-11	GWC-9	GWC-12	GWC-2	GWC-21	GWC-22	GWC-20
3/10/2021			<0.02	<0.02	<0.02			<0.02	
3/11/2021									
3/12/2021		0.0028 (J)							<0.02
3/15/2021	0.039					<0.02			
3/16/2021							<0.02		
9/21/2021	0.036	<0.02	<0.02		<0.02			<0.02	
9/22/2021				<0.02		<0.02	<0.02		<0.02
9/23/2021									
1/31/2022		<0.02							
2/1/2022							<0.02		<0.02
2/2/2022				<0.02		<0.02			
2/3/2022	0.037		<0.02		<0.02			<0.02	
8/30/2022		<0.02			0.0262		0.00814 (J)		0.0171 (J)
8/31/2022	0.0266		<0.02					<0.02	
9/1/2022				0.0163 (J)		0.0125 (J)			
1/31/2023		<0.02							
2/1/2023	0.025		<0.02	<0.02	0.00334 (J)				<0.02
2/2/2023						<0.02	<0.02	<0.02	
8/28/2023		<0.02							
8/29/2023	0.0194 (J)			<0.02		<0.02		0.0054 (J)	
9/6/2023			0.00479 (J)		<0.02		<0.02		<0.02
9/7/2023									
1/23/2024		<0.02						<0.02	
1/24/2024			<0.02	<0.02					<0.02
1/25/2024	0.0195 (J)				<0.02	<0.02	<0.02		
2/7/2024									
2/8/2024									
8/19/2024									
8/20/2024									
8/21/2024	0.0168 (J)	0.0123 (J)	0.0392	0.0137 (J)	0.00744 (J)	<0.02		0.0141 (J)	<0.02
8/22/2024							<0.02		
1/27/2025		0.00538 (J)							
1/28/2025			<0.02					<0.02	
1/29/2025	0.0186 (J)			<0.02	<0.02	<0.02	<0.02		0.00569 (J)
7/28/2025		<0.02							
7/29/2025			<0.02					0.0173 (J)	<0.02
7/30/2025	0.0151 (J)			<0.02	<0.02	<0.02	<0.02		
1/27/2026		<0.02	<0.02						<0.02
1/28/2026	0.0185 (J)			<0.02	<0.02	<0.02	<0.02	<0.02	

ND substitution: RL or RL/2 if <15% NDs.

FIGURE E.

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:07 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007067**	**-5.79**	**-2.58**	**Yes**	**66**	**54.55**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.08**	**-2.58**	**Yes**	**85**	**90.59**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWA-8 (bg)**	**-0.002527**	**-9.902**	**-2.58**	**Yes**	**84**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01554**	**459**	**214**	**Yes**	**39**	**0**	**n/a**	**0.01**	**NP**

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

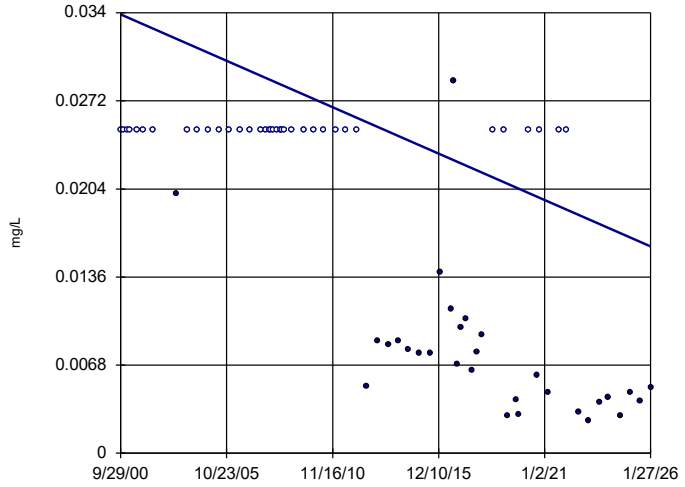
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:07 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.0007067**	**-5.79**	**-2.58**	**Yes**	**66**	**54.55**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	**GWA-8 (bg)**	**0**	**-3.08**	**-2.58**	**Yes**	**85**	**90.59**	**n/a**	**0.01**	**NP**
Arsenic (mg/L)	GWC-15	0.004375	6	43	No	13	0	n/a	0.01	NP
Arsenic (mg/L)	GWC-16	0	0.02705	2.58	No	84	1.19	n/a	0.01	NP
Arsenic (mg/L)	GWC-20	0.003755	77	214	No	39	0	n/a	0.01	NP
Arsenic (mg/L)	GWC-21	0.0002982	152	214	No	39	38.46	n/a	0.01	NP
Barium (mg/L)	GWA-7 (bg)	0.001622	1.876	2.58	No	65	0	n/a	0.01	NP
Barium (mg/L)	**GWA-8 (bg)**	**-0.002527**	**-9.902**	**-2.58**	**Yes**	**84**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-20**	**0.01554**	**459**	**214**	**Yes**	**39**	**0**	**n/a**	**0.01**	**NP**
Barium (mg/L)	GWC-21	0.008271	160	214	No	39	0	n/a	0.01	NP

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 66

Slope = -0.0007067 units per year.

Mann-Kendall normal approx. = -5.79 critical = -2.58

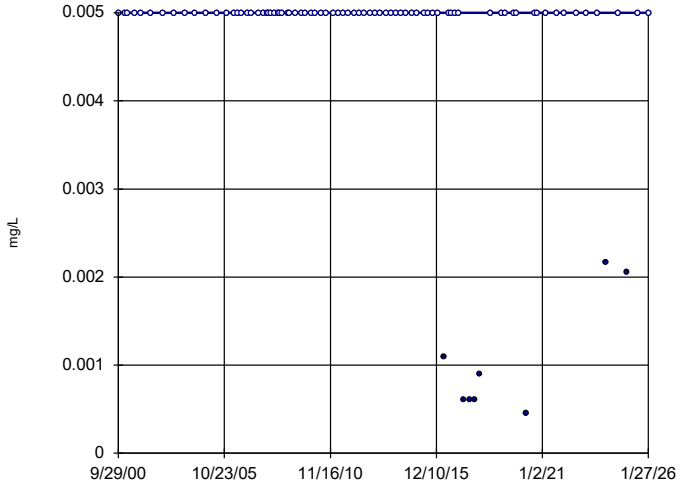
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 85

Slope = 0 units per year.

Mann-Kendall normal approx. = -3.08 critical = -2.58

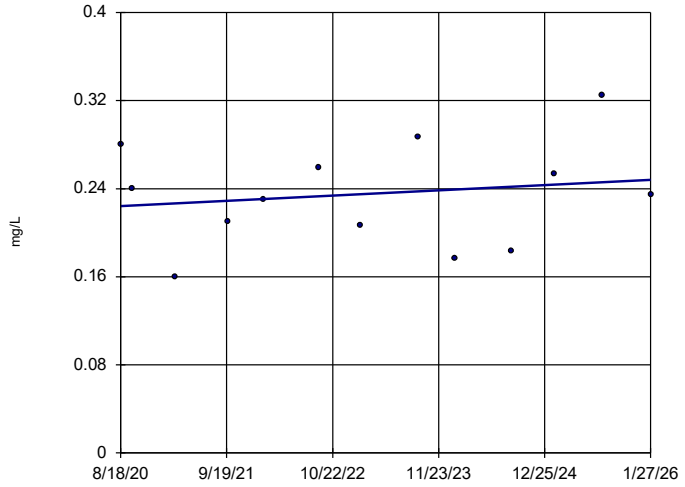
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 13

Slope = 0.004375 units per year.

Mann-Kendall statistic = 6 critical = 43

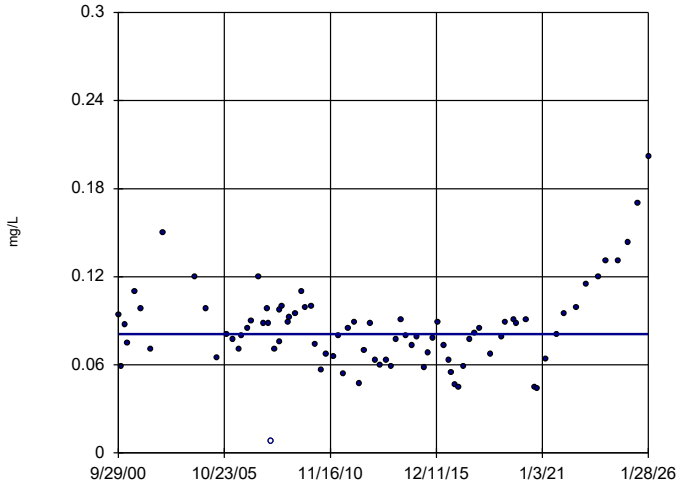
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-16



n = 84

Slope = 0 units per year.

Mann-Kendall normal approx. = 0.02705 critical = 2.58

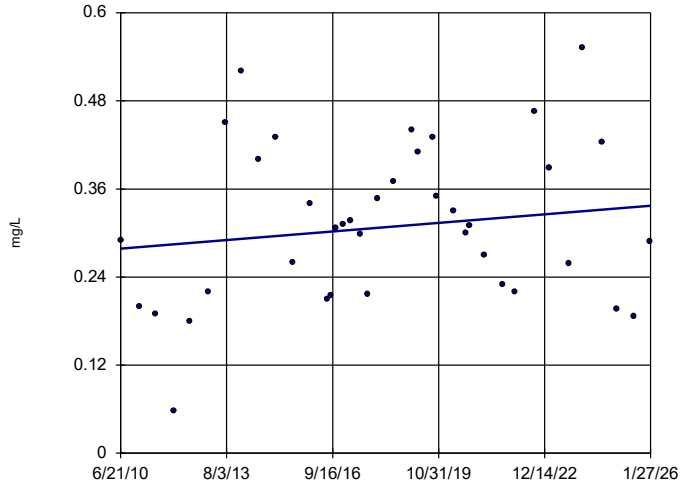
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 39

Slope = 0.003755 units per year.

Mann-Kendall statistic = 77
critical = 214

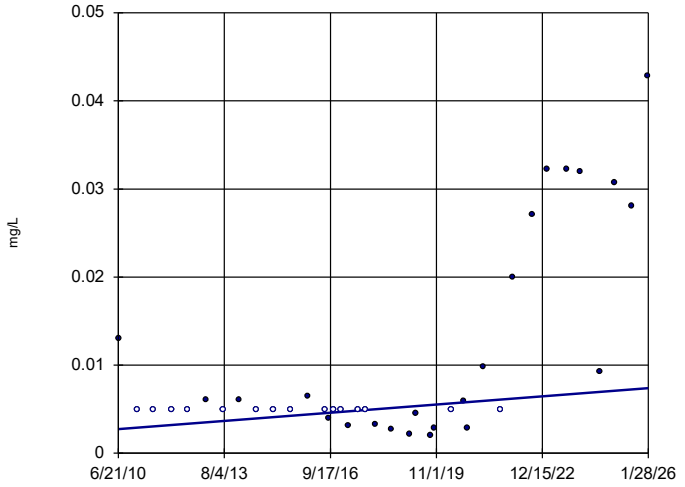
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-21



n = 39

Slope = 0.0002982 units per year.

Mann-Kendall statistic = 152
critical = 214

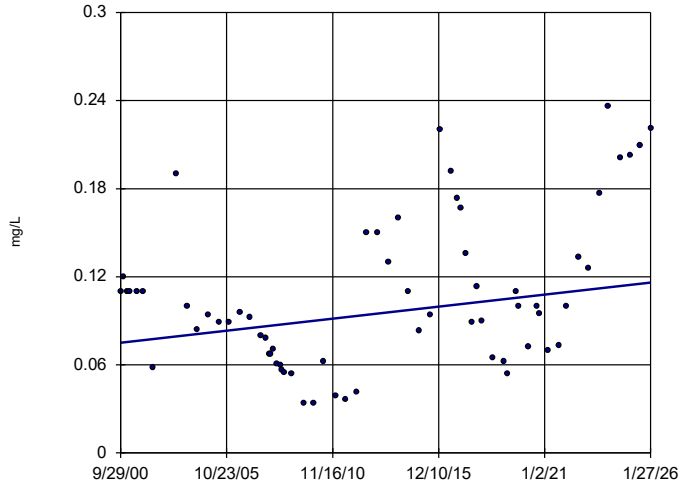
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 65

Slope = 0.001622 units per year.

Mann-Kendall normal approx. = 1.876
critical = 2.58

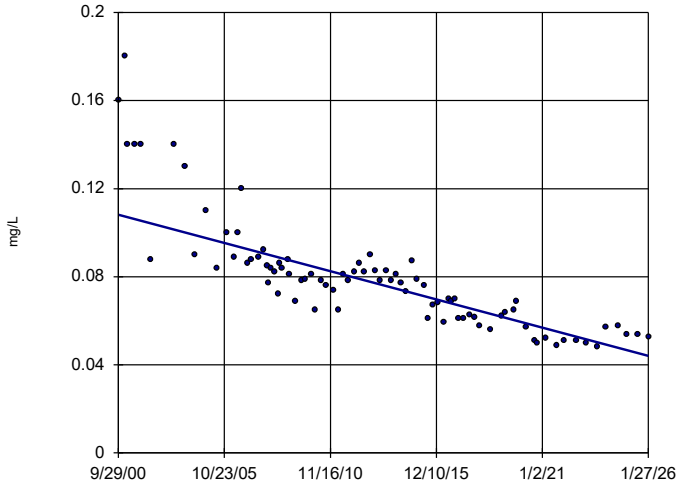
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 84

Slope = -0.002527 units per year.

Mann-Kendall normal approx. = -9.902
critical = -2.58

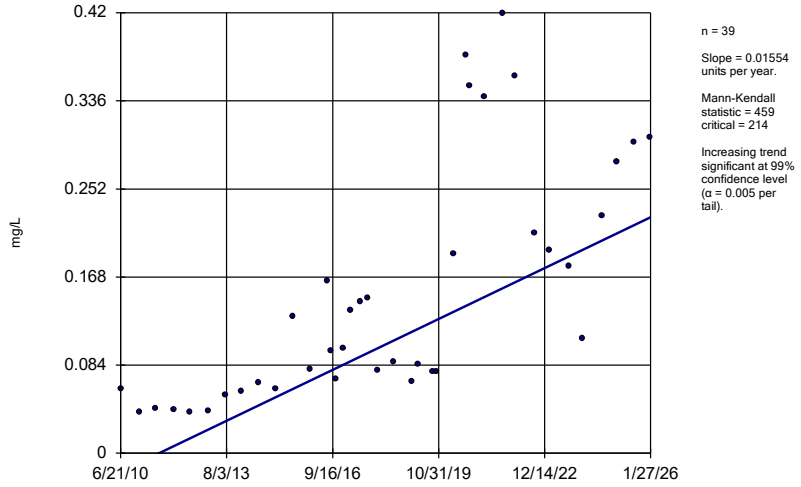
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 39

Slope = 0.01554 units per year.

Mann-Kendall statistic = 459 critical = 214

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

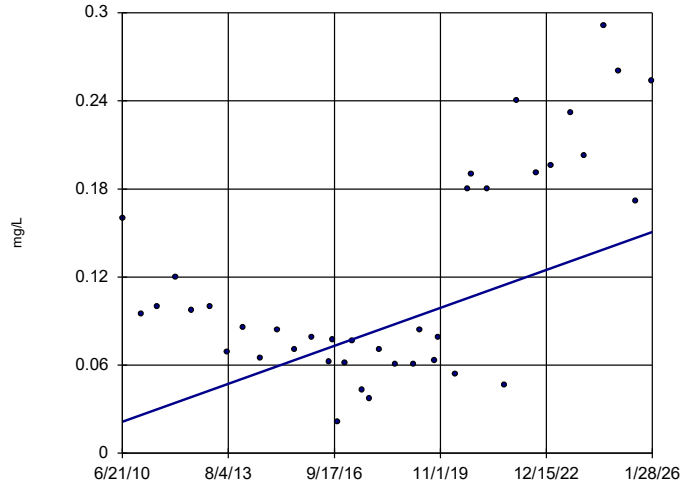
Constituent: Barium Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-21



n = 39

Slope = 0.008271 units per year.

Mann-Kendall statistic = 160 critical = 214

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 3/30/2026 3:06 PM View: Appendix I - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE F.

Appendix III Interwell Prediction Limits - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:13 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)	GWC-16	21.8	n/a	1/28/2026	43.6	Yes	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-4R	35.8	n/a	1/27/2026	170	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-5R	35.8	n/a	1/28/2026	133	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWB-6R	35.8	n/a	1/28/2026	84.7	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-1	35.8	n/a	1/27/2026	59.6	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	35.8	n/a	1/27/2026	161	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	35.8	n/a	1/28/2026	57.8	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-14	35.8	n/a	1/28/2026	153	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-15	35.8	n/a	1/27/2026	176	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-16	35.8	n/a	1/28/2026	334	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17	35.8	n/a	1/28/2026	104	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	35.8	n/a	1/27/2026	285	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	35.8	n/a	1/28/2026	199	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22	35.8	n/a	1/28/2026	87.9	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-17	260	n/a	1/28/2026	605	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-22	260	n/a	1/28/2026	281	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-17	0.49	n/a	1/28/2026	0.567	Yes	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-12	6.43	4.23	1/28/2026	4.06	Yes	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-15	6.43	4.23	1/27/2026	6.49	Yes	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-4R	160	n/a	1/27/2026	657	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-5R	160	n/a	1/28/2026	692	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWB-6R	160	n/a	1/28/2026	555	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-11	160	n/a	1/27/2026	882	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-12	160	n/a	1/28/2026	362	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-14	160	n/a	1/28/2026	318	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-16	160	n/a	1/28/2026	1880	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-17	160	n/a	1/28/2026	539	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-20	160	n/a	1/27/2026	1190	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21	160	n/a	1/28/2026	728	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-22	160	n/a	1/28/2026	612	Yes	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-16	2640	n/a	1/28/2026	3170	Yes	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:13 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)	GWB-4R	21.8	n/a	1/27/2026	4.23	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-5R	21.8	n/a	1/28/2026	3.41	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWB-6R	21.8	n/a	1/28/2026	6.84	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-1	21.8	n/a	1/27/2026	0.564	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-2	21.8	n/a	1/28/2026	0.0296J	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-9	21.8	n/a	1/28/2026	0.0235	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-11	21.8	n/a	1/27/2026	3.91	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-12	21.8	n/a	1/28/2026	6.51	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-13	21.8	n/a	1/28/2026	0.262	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-14	21.8	n/a	1/28/2026	0.0511	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-15	21.8	n/a	1/27/2026	0.783	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	**GWC-16**	**21.8**	**n/a**	**1/28/2026**	**43.6**	**Yes**	**48**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.000789**	**NP Inter (normality) 1 of 2**
Boron (mg/L)	GWC-17	21.8	n/a	1/28/2026	1.89	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-20	21.8	n/a	1/27/2026	15.1	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-21	21.8	n/a	1/28/2026	11.6	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Boron (mg/L)	GWC-22	21.8	n/a	1/28/2026	7.32	No	48	n/a	n/a	0	n/a	n/a	0.000789	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWB-4R**	**35.8**	**n/a**	**1/27/2026**	**170**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-5R**	**35.8**	**n/a**	**1/28/2026**	**133**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWB-6R**	**35.8**	**n/a**	**1/28/2026**	**84.7**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-1**	**35.8**	**n/a**	**1/27/2026**	**59.6**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-2	35.8	n/a	1/28/2026	0.162J	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	35.8	n/a	1/28/2026	5.02	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-11**	**35.8**	**n/a**	**1/27/2026**	**161**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-12**	**35.8**	**n/a**	**1/28/2026**	**57.8**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	GWC-13	35.8	n/a	1/28/2026	7.53	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Calcium (mg/L)	**GWC-14**	**35.8**	**n/a**	**1/28/2026**	**153**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-15**	**35.8**	**n/a**	**1/27/2026**	**176**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-16**	**35.8**	**n/a**	**1/28/2026**	**334**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-17**	**35.8**	**n/a**	**1/28/2026**	**104**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-20**	**35.8**	**n/a**	**1/27/2026**	**285**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-21**	**35.8**	**n/a**	**1/28/2026**	**199**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Calcium (mg/L)	**GWC-22**	**35.8**	**n/a**	**1/28/2026**	**87.9**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWB-4R	260	n/a	1/27/2026	101	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-5R	260	n/a	1/28/2026	58	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWB-6R	260	n/a	1/28/2026	53.6	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-1	260	n/a	1/27/2026	5.71	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-2	260	n/a	1/28/2026	3.32	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	260	n/a	1/28/2026	21.4	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	260	n/a	1/27/2026	98.3	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	260	n/a	1/28/2026	43.8	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	260	n/a	1/28/2026	4.59	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-14	260	n/a	1/28/2026	19.5	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-15	260	n/a	1/27/2026	5.81	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-16	260	n/a	1/28/2026	65.7	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-17**	**260**	**n/a**	**1/28/2026**	**605**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWC-20	260	n/a	1/27/2026	22.2	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	260	n/a	1/28/2026	32.6	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-22**	**260**	**n/a**	**1/28/2026**	**281**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWB-4R	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-5R	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWB-6R	0.49	n/a	1/28/2026	0.0468J	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-1	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-2	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-9	0.49	n/a	1/28/2026	0.0837J	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-11	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-12	0.49	n/a	1/28/2026	0.117	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:13 PM

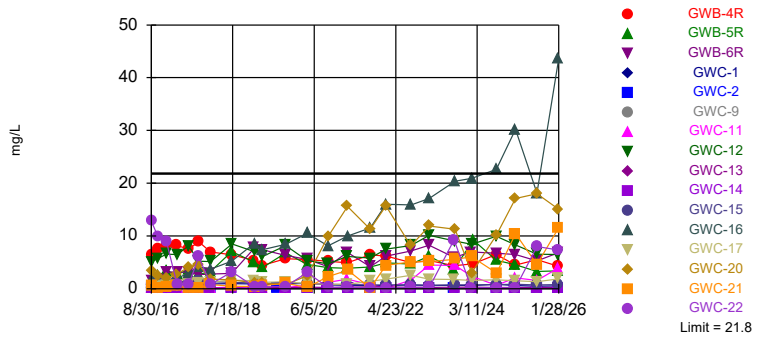
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-13	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-14	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-15	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	**GWC-17**	**0.49**	**n/a**	**1/28/2026**	**0.567**	**Yes**	**52**	**n/a**	**n/a**	**19.23**	**n/a**	**n/a**	**0.0006755**	**NP Inter (normality) 1 of 2**
Fluoride (mg/L)	GWC-20	0.49	n/a	1/27/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-21	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-22	0.49	n/a	1/28/2026	0.1ND	No	52	n/a	n/a	19.23	n/a	n/a	0.0006755	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-4R	6.43	4.23	1/27/2026	5.92	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-5R	6.43	4.23	1/28/2026	5.19	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWB-6R	6.43	4.23	1/28/2026	5.5	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-1	6.43	4.23	1/27/2026	5.68	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-2	6.43	4.23	1/28/2026	4.64	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-9	6.43	4.23	1/28/2026	4.26	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-11	6.43	4.23	1/27/2026	4.91	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	**GWC-12**	**6.43**	**4.23**	**1/28/2026**	**4.06**	**Yes**	**52**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001351**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	GWC-13	6.43	4.23	1/28/2026	4.86	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-14	6.43	4.23	1/28/2026	6.1	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	**GWC-15**	**6.43**	**4.23**	**1/27/2026**	**6.49**	**Yes**	**52**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.001351**	**NP Inter (normality) 1 of 2**
pH, Field (SU)	GWC-16	6.43	4.23	1/28/2026	5.08	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-17	6.43	4.23	1/28/2026	4.83	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-20	6.43	4.23	1/27/2026	5.82	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-21	6.43	4.23	1/28/2026	5.67	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
pH, Field (SU)	GWC-22	6.43	4.23	1/28/2026	4.68	No	52	n/a	n/a	0	n/a	n/a	0.001351	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWB-4R**	**160**	**n/a**	**1/27/2026**	**657**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-5R**	**160**	**n/a**	**1/28/2026**	**692**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWB-6R**	**160**	**n/a**	**1/28/2026**	**555**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-1	160	n/a	1/27/2026	33	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-2	160	n/a	1/28/2026	10.8	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-9	160	n/a	1/28/2026	23.5	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-11**	**160**	**n/a**	**1/27/2026**	**882**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-12**	**160**	**n/a**	**1/28/2026**	**362**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-13	160	n/a	1/28/2026	48.4	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-14**	**160**	**n/a**	**1/28/2026**	**318**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	GWC-15	160	n/a	1/27/2026	84.9	No	60	n/a	n/a	0	n/a	n/a	0.0005099	NP Inter (normality) 1 of 2
Sulfate (mg/L)	**GWC-16**	**160**	**n/a**	**1/28/2026**	**1880**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-17**	**160**	**n/a**	**1/28/2026**	**539**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-20**	**160**	**n/a**	**1/27/2026**	**1190**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-21**	**160**	**n/a**	**1/28/2026**	**728**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
Sulfate (mg/L)	**GWC-22**	**160**	**n/a**	**1/28/2026**	**612**	**Yes**	**60**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0005099**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	GWB-4R	2640	n/a	1/27/2026	1770	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-5R	2640	n/a	1/28/2026	1220	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWB-6R	2640	n/a	1/28/2026	1130	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-1	2640	n/a	1/27/2026	271	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-2	2640	n/a	1/28/2026	21	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-9	2640	n/a	1/28/2026	86	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-11	2640	n/a	1/27/2026	1540	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-12	2640	n/a	1/28/2026	613	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-13	2640	n/a	1/28/2026	79	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-14	2640	n/a	1/28/2026	747	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-15	2640	n/a	1/27/2026	604	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	**GWC-16**	**2640**	**n/a**	**1/28/2026**	**3170**	**Yes**	**43**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.0009697**	**NP Inter (normality) 1 of 2**
TDS (mg/L)	GWC-17	2640	n/a	1/28/2026	1870	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-20	2640	n/a	1/27/2026	2140	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-21	2640	n/a	1/28/2026	1380	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2
TDS (mg/L)	GWC-22	2640	n/a	1/28/2026	1430	No	43	n/a	n/a	0	n/a	n/a	0.0009697	NP Inter (normality) 1 of 2

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Exceeds Limit: GWC-16

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 48 background values. Annual per-constituent alpha = 0.02494. Individual comparison alpha = 0.000789 (1 of 2). Comparing 16 points to limit.

Constituent: Boron Analysis Run 3/30/2026 3:11 PM View: Appendix III

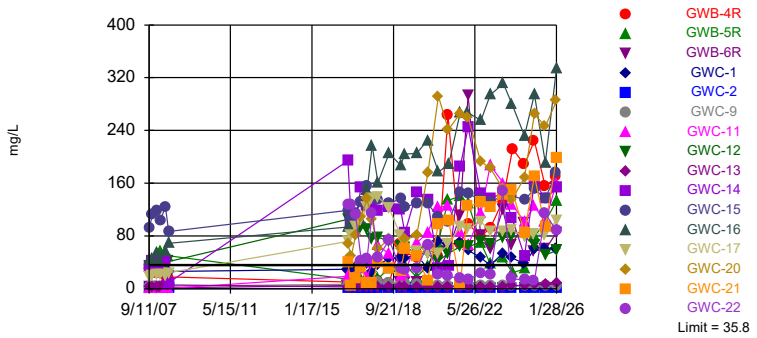
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limit: GWB-4R, GWB-5R, GWB-6R, GWC-1, GWC-11, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-20,..

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. Annual per-constituent alpha = 0.01619. Individual comparison alpha = 0.0005099 (1 of 2). Comparing 16 points to limit.

Constituent: Calcium Analysis Run 3/30/2026 3:11 PM View: Appendix III

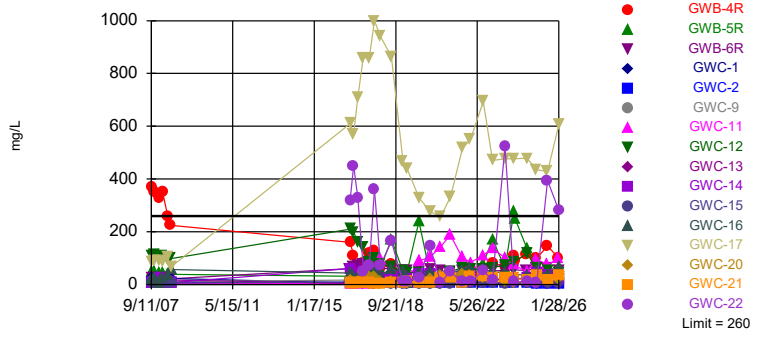
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limit: GWC-17, GWC-22

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. Annual per-constituent alpha = 0.01619. Individual comparison alpha = 0.0005099 (1 of 2). Comparing 16 points to limit.

Constituent: Chloride Analysis Run 3/30/2026 3:11 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

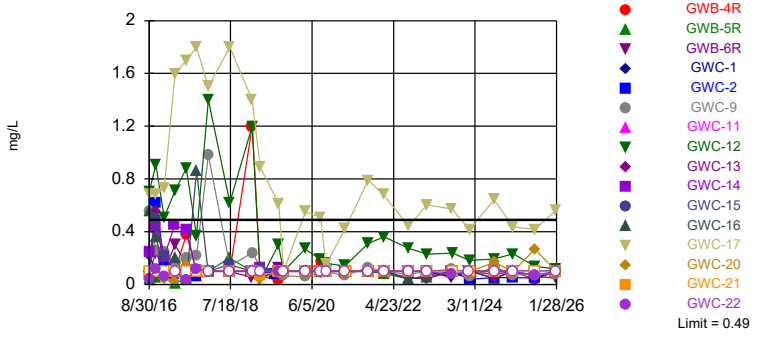
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Hollow symbols indicate censored values.

Exceeds Limit: GWC-17

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 52 background values. 19.23% NDs. Annual per-constituent alpha = 0.02139. Individual comparison alpha = 0.0006755 (1 of 2). Comparing 16 points to limit.

Constituent: Fluoride Analysis Run 3/30/2026 3:11 PM View: Appendix III

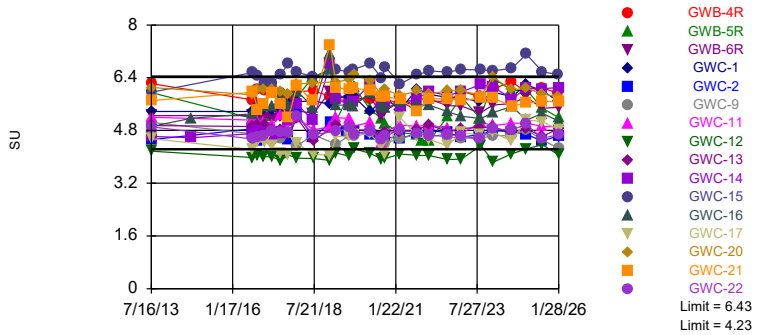
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limits: GWC-12, GWC-15

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 52 background values. Annual per-constituent alpha = 0.04278. Individual comparison alpha = 0.001351 (1 of 2). Comparing 16 points to limit.

Constituent: pH, Field Analysis Run 3/30/2026 3:11 PM View: Appendix III

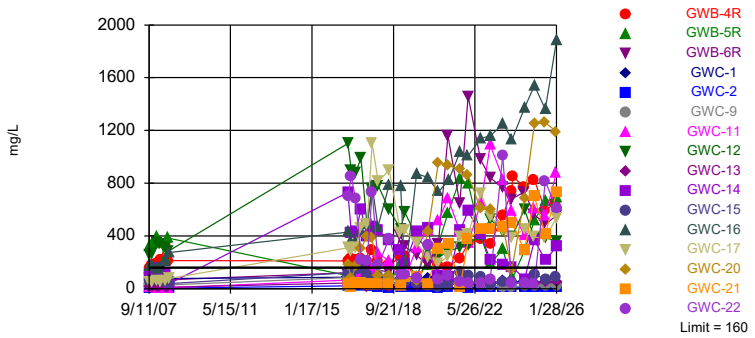
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Exceeds Limit: GWB-4R, GWB-5R, GWB-6R, GWC-11, GWC-12, GWC-14, GWC-16, GWC-17, GWC-20, GWC-21, GWC-22

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 60 background values. Annual per-constituent alpha = 0.01619. Individual comparison alpha = 0.0005099 (1 of 2). Comparing 16 points to limit.

Constituent: Sulfate Analysis Run 3/30/2026 3:11 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

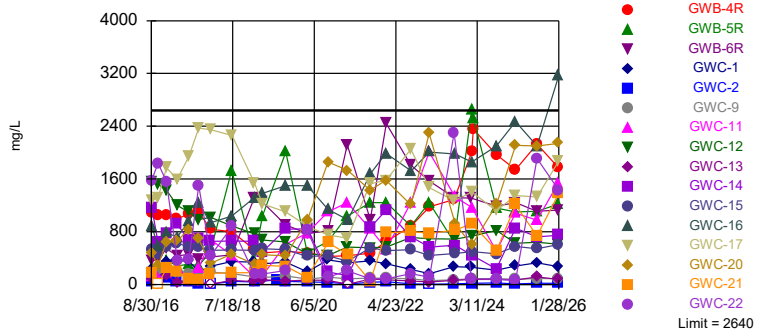
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Hollow symbols indicate censored values.

Exceeds Limit: GWC-16

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 43 background values. Annual per-constituent alpha = 0.03057. Individual comparison alpha = 0.0009697 (1 of 2). Comparing 16 points to limit.

Constituent: TDS Analysis Run 3/30/2026 3:11 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWB-5R	GWA-8 (bg)	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13
8/30/2016	0.875	1.41	1.09	0.117					
8/31/2016					0.0196 (J)	0.096 (J)	0.0688 (J)	5.1	0.261
9/1/2016									
10/24/2016				0.126					
10/25/2016	1.22								
10/26/2016		1.83	2.5		0.05 (J)		0.083 (J)	5.74	0.211
10/27/2016						0.0281 (J)			
1/3/2017			3.39	0.124					
1/4/2017	1.3						0.0738	6.56	
1/5/2017		3.07			0.0162 (J)				0.179
1/6/2017						0.0189 (J)			
4/3/2017				0.105					
4/4/2017	1.19				0.019 (J)				
4/5/2017								6.49	
4/6/2017		3.19	2.76			0.0181 (J)	0.0754		0.112
7/10/2017								8.13	
7/11/2017				0.136			0.0614		
7/12/2017	1.37	3.06	3.55			0.0211 (J)			0.0882
7/13/2017					0.023 (J)				
10/2/2017				0.107					
10/3/2017	0.765	2.69	2.72		0.0266 (J)		0.0838		
10/4/2017						0.0254 (J)		5.18	0.116
1/9/2018		2.81		0.123					
1/10/2018	0.876		3.21		0.0203 (J)				0.101
1/11/2018						0.018 (J)	0.169	5.16	
7/9/2018				0.11					
7/10/2018	0.94	2.9	7		0.026 (J)				
7/11/2018						0.02 (J)	0.3	8.5	0.098
1/16/2019	0.91	7.7	5	0.13					0.11
1/17/2019							0.065	7	
1/18/2019						0.018 (J)			
1/21/2019					0.018 (J)				
3/25/2019				0.098					
3/26/2019	0.77	7.4	4						0.35
3/27/2019						0.016 (J)	0.089	6.1	
7/30/2019					0.02 (J)				
10/7/2019				0.12					
10/8/2019							0.22		0.18
10/9/2019	0.93	6.3	6.8		0.024 (J)	0.019 (J)		8.2	
4/6/2020				0.14					
4/7/2020	1	5.6	4.6				0.67	5.3	
4/8/2020					0.031 (J)	0.023 (J)			0.28
9/28/2020	0.69			0.15					0.24
9/29/2020					0.024 (J)		1.2	4.7	
9/30/2020		4.2	4						
10/1/2020						0.028 (J)			
3/10/2021	0.63	6.9	3.9			0.022 (J)	1.8	6.1	
3/11/2021									
3/12/2021				0.11					
3/15/2021					0.084				0.31
3/16/2021									
9/21/2021		4.2	4.1	0.13			0.8	5.8	0.38

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-1	GWB-6R	GWB-5R	GWA-8 (bg)	GWC-2	GWC-9	GWC-11	GWC-12	GWC-13
9/22/2021					0.017 (J)	0.015 (J)			
9/23/2021	0.59								
1/31/2022				0.13					
2/1/2022									
2/2/2022		6.2			0.023 (J)	0.011 (J)			
2/3/2022	0.59		4.9				0.1	7.5	0.37
8/30/2022		7.13	4.66	0.152				8.21	
8/31/2022							1.65		0.231
9/1/2022	0.728				0.0204	0.0187			
1/31/2023				0.177					
2/1/2023		8.23	6.19			0.0186	4.49	10.1	0.208
2/2/2023	0.599				0.022				
8/28/2023				0.194					
8/29/2023	0.653	5.92	3.69		0.0163	0.016			0.296
9/6/2023							4.44	9.02	
9/7/2023									
1/23/2024	0.568	6.94		0.195					
1/24/2024						0.0175	2.36		
1/25/2024					0.0199			8.4	0.275
2/7/2024									
2/8/2024			9.21						
8/19/2024									
8/20/2024	0.854	6.7							
8/21/2024			5.38	0.23	0.023	0.0193	0.668	9.95	0.233
8/22/2024									
1/27/2025				0.268					
1/28/2025		6.51					2.08		
1/29/2025	0.589		4.55		0.0209	0.0177		8.33	0.252
7/28/2025				0.28					
7/29/2025	0.449	5.27					1.59		
7/30/2025			3.24		0.0235	0.0191		6.57	0.238
1/27/2026	0.564			0.358			3.91		
1/28/2026		6.84	3.41		0.0296 (J)	0.0235		6.51	0.262

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-14	GWB-4R	GWC-16	GWC-17	GWC-20	GWA-7 (bg)	GWC-21	GWC-15
8/30/2016									
8/31/2016	12.8								
9/1/2016		0.071 (J)	6.48	1.82	0.408	3.34	11.6	0.62	9.01 (O)
10/24/2016									
10/25/2016		0.0819 (J)		1.26		2.54	21.4	0.0658 (J)	1.66
10/26/2016	9.81		7.57		0.5				
10/27/2016									
1/3/2017									
1/4/2017	8.94			1.46		1.91		0.36	
1/5/2017		0.0813			0.676				1.1
1/6/2017			8.34				20.1		
4/3/2017									1.21
4/4/2017		0.0723	8.18			2.77		0.509	
4/5/2017				2	0.69				
4/6/2017	0.733						21.8		
7/10/2017									
7/11/2017	0.852	0.0734				4.14			1.44
7/12/2017			7.51	2.95					
7/13/2017					0.888		16.3	0.126	
10/2/2017		0.0748				4.65			1.59
10/3/2017				4.15				0.1	
10/4/2017	6.05		8.88		1.02		21.5		
1/9/2018		0.0679					13.9	0.783	1.35
1/10/2018				3.68		1.79			
1/11/2018	0.838		6.95		1.28				
7/9/2018		0.061				1.7			
7/10/2018				5.2				0.5	1.2
7/11/2018	3.2		6.4		1.6		11.7		
1/16/2019		0.046	5.3		1.5		9.3		
1/17/2019				8.6				0.43	1.1
1/18/2019	0.37								
1/21/2019						1.1			
3/25/2019			4.4			1	8.5		
3/26/2019		0.037 (J)		7.4	1.2			0.61	0.95
3/27/2019	0.37								
7/30/2019									
10/7/2019									
10/8/2019		0.048		8.4			6.4	1	1.1
10/9/2019	0.39		5.7		1.3	0.79			
4/6/2020							6.1		
4/7/2020	3.1	0.061 (J)	5.5	10.5				0.24	0.96
4/8/2020					0.99	2.5			
9/28/2020							4.6		
9/29/2020		0.053							
9/30/2020	0.25			8.1	0.86	9.9		2.3	0.86
10/1/2020			5.2						
3/10/2021	0.32		4.9						
3/11/2021					0.85		8		
3/12/2021						15.6			0.81
3/15/2021									
3/16/2021		0.08		10				3.5	
9/21/2021	0.19		6.4				4.4		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-14	GWB-4R	GWC-16	GWC-17	GWC-20	GWA-7 (bg)	GWC-21	GWC-15
9/22/2021		0.052		11.5	1.4	11.3		0.095	
9/23/2021									0.72
1/31/2022							3.9		
2/1/2022				16	1.8	15.7		4.4	
2/2/2022		0.044	6.2						
2/3/2022	0.18								0.71
8/30/2022		0.046	4.95			8.14	5.72	5.08	
8/31/2022	0.271				2.51				0.719
9/1/2022				15.9					
1/31/2023							5.72		
2/1/2023				17.1	1.83	11.9			
2/2/2023	0.302	0.0451	5.35					5.15	0.679
8/28/2023							7.01		
8/29/2023	9.28		4.35		1.77				
9/6/2023		0.0433		20.4		11.3		5.6	
9/7/2023									0.747
1/23/2024	0.173						10.4		
1/24/2024					1.57	3			0.743
1/25/2024		0.0439		20.9				6.05	
2/7/2024			4.72						
2/8/2024									
8/19/2024							10.5		
8/20/2024			6.51						
8/21/2024	0.179	0.0675		22.6	1.66	10.1			0.785
8/22/2024								2.98	
1/27/2025									
1/28/2025	0.155		4.48		1.52		9.95		
1/29/2025		0.0554		30.2		17.1		10.4	0.845
7/28/2025			5.53				11.2		
7/29/2025	8.01				1.32	18			
7/30/2025		0.0576		18.1				4.6	0.708
1/27/2026			4.23			15.1	10.4		0.783
1/28/2026	7.32	0.0511		43.6	1.89			11.6	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWA-8 (bg)	GWC-14	GWB-4R	GWC-2	GWC-17	GWB-5R	GWC-1	GWC-15
9/11/2007	43	14	32						
9/12/2007				31	0.11	18	38	34	92
9/13/2007									
9/14/2007									
11/6/2007	46		41		0.11	19			113
11/7/2007				28			44	32	
11/8/2007		16							
1/15/2008									
1/16/2008	55		41		0.097	21			118
1/17/2008				23			53	32	
1/18/2008		18							
3/11/2008	42	18	26						
3/12/2008				26	0.1			40	104
3/13/2008						21	56		
6/3/2008									
6/4/2008		15				20	36	26	
6/5/2008	56		43	20	0.14				124
7/29/2008		16							
7/30/2008				18			50		
7/31/2008	69		9		0.11	24		26	87
8/30/2016		23.8					14.3	29.4	
8/31/2016					0.371 (J)				
9/1/2016	93.8		194	9.91		71.9			119
10/24/2016		22.5							
10/25/2016	94.1		100					28.3	106
10/26/2016				8.56	5.84	80.3	18.6		
10/27/2016									
1/3/2017		22.1					18.1		
1/4/2017	88.2							33.4	
1/5/2017			107		0.379 (J)	94.4			115
1/6/2017				8.18					
4/3/2017		24.6 (J)							131
4/4/2017			153	8.12	0.993			34.6	
4/5/2017	106					104			
4/6/2017							16.2		
7/10/2017									
7/11/2017		23.5	125						155
7/12/2017	149			8			18.1	38	
7/13/2017					0.388 (J)	124			
10/2/2017		22.7	126						137
10/3/2017	217				0.251 (J)		15.2	25.5	
10/4/2017				12.5		136			
1/9/2018		23.2	119						135
1/10/2018	161				0.177 (J)		15.5	36.5	
1/11/2018				12.9		139			
7/9/2018		24.6 (J)	123						
7/10/2018	205				0.17 (J)		30.6	45.5	129
7/11/2018				8.6		122			
1/16/2019		27.7	120	68.8		80.5	33.3	46.5	
1/17/2019	187								137
1/18/2019									
1/21/2019					0.19 (J)				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWA-8 (bg)	GWC-14	GWB-4R	GWC-2	GWC-17	GWB-5R	GWC-1	GWC-15
3/25/2019		31.7		55.6					
3/26/2019	204		84.2			68.8	36.1	46.3	124
3/27/2019									
7/30/2019					0.43				
10/7/2019		31.6							
10/8/2019	205		146						129
10/9/2019				46.7	0.18	56.6	17.7	51.2	
4/6/2020		35.8							
4/7/2020	225		135	62.1			34.1	31.1	129
4/8/2020					0.24 (J)	53.1			
9/28/2020		25.6						70.7	
9/29/2020			30.8		0.18 (J)				
9/30/2020	177					53.5	70.4		109
10/1/2020				48.4					
3/10/2021				263			134	67.2	
3/11/2021						67			
3/12/2021		21.4							101
3/15/2021					0.22 (J)				
3/16/2021	188		34.4						
9/21/2021		18.5		67.5			140		
9/22/2021	267		185		0.19 (J)	94.6			
9/23/2021								69.1	146
1/31/2022		17.2							
2/1/2022	267					90.8			
2/2/2022			245	98.2	0.16 (J)				
2/3/2022							130	58.2	144
8/30/2022		15	144	79.3			70.3		
8/31/2022						102			135
9/1/2022	255				0.236			46.9	
1/31/2023		14.8							
2/1/2023	294					86.8	38.3		
2/2/2023			137	91.8	0.143 (J)			35.2	131
8/28/2023		13.6							
8/29/2023				133	0.165 (J)	86.5	46.8	53.9	
9/6/2023	311		145						
9/7/2023									142
1/23/2024		16.6						47.2	
1/24/2024						88.7			141
1/25/2024	280		107		0.17 (J)				
2/7/2024				212					
2/8/2024							24.2		
8/19/2024									
8/20/2024				188				37.8	
8/21/2024	232	18.6	49.5		0.156 (J)	78.9	30		135
8/22/2024									
1/27/2025		18.7							
1/28/2025				224		83.7			
1/29/2025	295		163		0.144 (J)		78.6	60.2	151
7/28/2025		18.3		155					
7/29/2025						81.7		61.1	
7/30/2025	191		136		0.233		102		137
1/27/2026		17.9		170				59.6	176

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWA-8 (bg)	GWC-14	GWB-4R	GWC-2	GWC-17	GWB-5R	GWC-1	GWC-15
1/28/2026	334		153		0.162 (J)	104	133		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWC-12	GWC-11	GWB-6R	GWA-7 (bg)	GWC-22	GWC-21	GWC-20
9/11/2007									
9/12/2007									
9/13/2007	2	3.2	34	1.1					
9/14/2007					2	4.8			
11/6/2007									
11/7/2007	2.8		36						
11/8/2007		3.6		1.1	3.4	4.9			
1/15/2008	2.4		40	0.93					
1/16/2008		3.5							
1/17/2008					1.6				
1/18/2008						4.7			
3/11/2008	2		36						
3/12/2008		3.2							
3/13/2008				0.77	3.1	4.6			
6/3/2008	7.8		36	0.73					
6/4/2008		3.8				3.4			
6/5/2008					1.9				
7/29/2008		3.8		0.6		3.6			
7/30/2008	5.7		41		1.5				
7/31/2008									
8/30/2016					4.68				
8/31/2016	2.77	6.9	105	18.8			127		
9/1/2016						5.59		40.5	67.2
10/24/2016									
10/25/2016						6.43		3.91	50.1
10/26/2016	2.25		101	16.6	5.45		127		
10/27/2016		8.2							
1/3/2017									
1/4/2017			94.9	17.6			113	15.2	80.4
1/5/2017	2.27				5.35				
1/6/2017		7.97				8.13			
4/3/2017									
4/4/2017								32.3	108
4/5/2017			92.5						
4/6/2017	2.04	7.95		30.9	5.41	7.72	42.7		
7/10/2017			90.3						
7/11/2017				17.7			46		136
7/12/2017	2.25	8.37			4.81				
7/13/2017						4.57		8.92	
10/2/2017									105
10/3/2017				39.8	5.17			7.88	
10/4/2017	2.19	8.57	74.6			6.41	115		
1/9/2018					4.73	4.68		40.5	
1/10/2018	2.28								60.1
1/11/2018		9.78	78.1	65.6			47.6		
7/9/2018									75.9
7/10/2018					4.5			29.8	
7/11/2018	2.3	9.2	72.2	53		3.9	73.7		
1/16/2019	2.3				10.1	4.3			
1/17/2019			64.7	19.8 (J)				27.6	
1/18/2019		8.1					30.6		
1/21/2019									60

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWC-12	GWC-11	GWB-6R	GWA-7 (bg)	GWC-22	GWC-21	GWC-20
3/25/2019						3.9			74.8
3/26/2019	2.4				9			60.1	
3/27/2019		7.7	63.1	25.1			28.8		
7/30/2019									
10/7/2019									
10/8/2019	2.3			69.2		3.5		49.5	
10/9/2019		6	54.2		10.1		30.1		80.1
4/6/2020						3.1			
4/7/2020			52.1	84.7	7.8		65.7	12.5	
4/8/2020	2.5	5.3							175
9/28/2020	2.9					3.3			
9/29/2020			42	123					
9/30/2020					27.5		20.9	98.4	292
10/1/2020		5.5							
3/10/2021		5.3	53.1	126	55.9		18.7		
3/11/2021						2.4			
3/12/2021									241
3/15/2021	2.4								
3/16/2021								104	
9/21/2021	3.6		63.4	87	110	2.7	15.3		
9/22/2021		5						5.8	266
9/23/2021									
1/31/2022						3.4			
2/1/2022								125	259
2/2/2022		4.6			293				
2/3/2022	2.7		63.7	65.4			14.6		
8/30/2022			70.8		81.8	3.56		131	193
8/31/2022	2.54			115			23.2		
9/1/2022		5							
1/31/2023						3.33			
2/1/2023	2.89	4.44	67.5	187	60.4				183
2/2/2023							21.6	123	
8/28/2023						3.72			
8/29/2023	3.64	4.38			120		147		
9/6/2023			77.4	160				142	151
9/7/2023									
1/23/2024					66.8	3.56	15.1		
1/24/2024		4.4		128					134
1/25/2024	4.19		78.5					150	
2/7/2024									
2/8/2024									
8/19/2024						3.36			
8/20/2024					99.1				
8/21/2024	5.23	4.68	79.6	102			13.3		169
8/22/2024								85	
1/27/2025									
1/28/2025				125	57.5	3.33	12.4		
1/29/2025	6.01	4.74	65.4					171	265
7/28/2025						3.57			
7/29/2025				101	59.8		114		246
7/30/2025	6.09	4.81	51.6					93.3	
1/27/2026				161		3.92			285

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-9	GWC-12	GWC-11	GWB-6R	GWA-7 (bg)	GWC-22	GWC-21	GWC-20
1/28/2026	7.53	5.02	57.8		84.7		87.9	199	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-14	GWC-16	GWA-8 (bg)	GWC-15	GWC-2	GWC-17	GWC-1	GWB-5R	GWB-4R
9/11/2007	7.52	20.9	16.6						
9/12/2007				7.64	5.88	85.6	24.9	50.5	369
9/13/2007									
9/14/2007									
11/6/2007	7.73	25.9		6.5	6.97	92.4			
11/7/2007							24.6	47.7	353
11/8/2007			18.3						
1/15/2008									
1/16/2008	23.5	7.41		4.92	6.6	91.3			
1/17/2008							22	45.2	327
1/18/2008			19.5						
3/11/2008	7.6	27	15.6						
3/12/2008				6.28	7.97		20.3		351
3/13/2008						87.4		44.5	
6/3/2008									
6/4/2008			16.7			104	18.3	40.2	
6/5/2008	6.5	36.5		6.16	8.06				259
7/29/2008			16.9						
7/30/2008								38.4	224
7/31/2008	7.43	56.7		5.98	7.29	66.1	22.7		
8/30/2016			15				5.5	31	
8/31/2016					7.8				
9/1/2016	60	43		10		610			160
10/24/2016			13						
10/25/2016	36	34		6.5			5.1		
10/26/2016					12	570		24	110
10/27/2016									
1/3/2017			13					29	
1/4/2017		29					6.9		
1/5/2017	37			10	7.4	710			
1/6/2017									67
4/3/2017			14	7.3					
4/4/2017	47				8.7		6.5		80
4/5/2017		36				860			
4/6/2017								27	
7/10/2017									
7/11/2017	34		13	5.7					
7/12/2017		44					6.5	31	120
7/13/2017					8.3	860			
10/2/2017	34		15	4.4					
10/3/2017		58			9		4.5	27	
10/4/2017						1000			130
1/9/2018	24		13	5.7					
1/10/2018		36			8.2		6.9	59	
1/11/2018						940			60
7/9/2018	25.9		15.4						
7/10/2018		57		3.1	7.3		6.2	172	
7/11/2018						864			75.9
1/16/2019	29.2		16			469	6.6	49.7	20.2
1/17/2019		48.9		3.2					
1/18/2019									
1/21/2019					6.9				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-14	GWC-16	GWA-8 (bg)	GWC-15	GWC-2	GWC-17	GWC-1	GWB-5R	GWB-4R
3/25/2019			17.7						19.7
3/26/2019	21.1	5.1		3		439	7	47.9	
3/27/2019									
7/30/2019					7.1				
10/7/2019			18						
10/8/2019	40.2	46.4		2.9					
10/9/2019					7	330	7.2	239	32.1
4/6/2020			13.5						
4/7/2020	41.6	49.3		3.4			7.7	44.3	14.5
4/8/2020					5.2	277			
9/28/2020			13.7				13.8		
9/29/2020	10.6				5.4				
9/30/2020		39.6		1.7		257		24.1	
10/1/2020									15.7
3/10/2021							8.5	25.7	16
3/11/2021						334			
3/12/2021			14.1	2.3					
3/15/2021					6.4				
3/16/2021	15.8	44.9							
9/21/2021			12.2					38.8	13.9
9/22/2021	28	55.8			7.4	517			
9/23/2021				7.1			8.8		
1/31/2022			11.2						
2/1/2022		61.5				549			
2/2/2022	29.6				6.9				14.5
2/3/2022				5.1			8	38.5	
8/30/2022	26.7		9.93					76.8	65
8/31/2022				4.83		694			
9/1/2022		57.2			6.59		9.17		
1/31/2023			11						
2/1/2023		47.1				470		172	
2/2/2023	18.2			4.69	5.42		6.47		82.4
8/28/2023			10.1						
8/29/2023					4.97	476	7.48	61.8	66
9/6/2023	22.7	45.9							
9/7/2023				4.46					
1/23/2024			13.4				6.4		
1/24/2024				5.13		476		279	
1/25/2024	18.5	39.1			5.09				110
2/7/2024									92.1
2/8/2024								251	
8/19/2024									
8/20/2024							8.85		114
8/21/2024	24.3	34.8	18.2	5.49	5.61	479		138	
8/22/2024									
1/27/2025			26.1						
1/28/2025						435			101
1/29/2025	42.1	49.8		7.14	4.36		4.43	73.8	
7/28/2025			17.4						146
7/29/2025						428	4.59		
7/30/2025	37.1	40.8		5.71	3.72			41.6	
1/27/2026			17	5.81			5.71		101

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-14	GWC-16	GWA-8 (bg)	GWC-15	GWC-2	GWC-17	GWC-1	GWB-5R	GWB-4R
1/28/2026	19.5	65.7			3.32	605		58	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-12	GWC-11	GWC-9	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
9/11/2007									
9/12/2007									
9/13/2007	15.2	108	5.64	11.8					
9/14/2007					26.1	73.6			
11/6/2007									
11/7/2007	8.56	112							
11/8/2007			5.61	11.8	24.4	79.4			
1/15/2008	12.2	103	5.39						
1/16/2008				11.1					
1/17/2008					21.2				
1/18/2008						85.1			
3/11/2008	12.2	109							
3/12/2008				10.6					
3/13/2008			4.75		24.2	84.3			
6/3/2008	17.8	95.3	4.86						
6/4/2008				10.9		69			
6/5/2008					24				
7/29/2008			5.17	11		83.9			
7/30/2008	16.5	98.3			21.1				
7/31/2008									
8/30/2016					60				
8/31/2016	4.3	210	3.5	17			320		
9/1/2016						190		16	5.9
10/24/2016									
10/25/2016						150		8.1	4.4
10/26/2016	4.9	200	2.5		67		450		
10/27/2016				17					
1/3/2017									
1/4/2017		160	3.8				330	13	7.7
1/5/2017	4.1				70				
1/6/2017				16		180			
4/3/2017									
4/4/2017								23	8
4/5/2017		140							
4/6/2017	3.7		7.1	17	76	200	50		
7/10/2017		88							
7/11/2017			3.1				70	31	
7/12/2017	2.6			18	64				
7/13/2017						200			5.4
10/2/2017								30	
10/3/2017			46		73				4.4
10/4/2017	3	100		18		260	360		
1/9/2018					61	210			4.4
1/10/2018	3.4							9.7	
1/11/2018		78	100	16			74		
7/9/2018								10.8	
7/10/2018					60.2				6.3
7/11/2018	3.2	66.9	53.7	16.2		177	164		
1/16/2019	3.8				54.1	165			
1/17/2019		52	6.6						5.4
1/18/2019				17.5			11		
1/21/2019								5.1	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-12	GWC-11	GWC-9	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
3/25/2019						147		9.4	
3/26/2019	3.2				51.8				11.9
3/27/2019		45.6	11.9	18.9			11.5		
7/30/2019									
10/7/2019									
10/8/2019	4		89			125			7.8
10/9/2019		44.1		19	49.7		25.3	5.4	
4/6/2020						30.2			
4/7/2020		32.5	103		56.4		146		4.7
4/8/2020	4.5			16.9				20.2	
9/28/2020	4.3					113			
9/29/2020		24.3	143						
9/30/2020					53.9		8.5	34.9	23.7
10/1/2020				16.8					
3/10/2021		48.7	188	18.3	42.4		48.2		
3/11/2021						96.7			
3/12/2021								31.9	
3/15/2021	7.6								
3/16/2021									25.3
9/21/2021	7.9	63.8	103		53.8	92.2	9.4		
9/22/2021				19.3				38.9	6
9/23/2021									
1/31/2022						83.4			
2/1/2022								33.4	29.3
2/2/2022				17.5	42.3				
2/3/2022	8.8	57	83.4				10.8		
8/30/2022		58.4			52	74.4		24.4	29.4
8/31/2022	6.69		110				51.2		
9/1/2022				17.6					
1/31/2023						70.1			
2/1/2023	6.17	64.5	138	18.8	51.6			15.3	
2/2/2023							18.2		23.3
8/28/2023						91.9			
8/29/2023	7.34			21.1	53.2		521		
9/6/2023		74.1	98					12.2	24.5
9/7/2023									
1/23/2024					55.4	105	9.89		
1/24/2024			75.6	22.4				7.57	
1/25/2024	7.26	84.4							23.4
2/7/2024									
2/8/2024									
8/19/2024						86.5			
8/20/2024					53				
8/21/2024	6.83	117	48.9	24			10.5	13.1	
8/22/2024									15.8
1/27/2025									
1/28/2025			94.2		63.4	95.9	7.54		
1/29/2025	5.36	61.6		27.9				17.5	35.2
7/28/2025						80.4			
7/29/2025			75.2		63.6		394	17.5	
7/30/2025	4.46	52.3		22.5					17.6
1/27/2026			98.3			74.3		22.2	

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-12	GWC-11	GWC-9	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
1/28/2026	4.59	43.8		21.4	53.6		281		32.6

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWA-8 (bg)	GWC-1	GWB-6R	GWC-22	GWC-13	GWC-2	GWC-11	GWC-9
8/30/2016	0.04 (J)	0.1 (J)	0.22 (J)	0.09 (J)					
8/31/2016					0.04 (J)	<0.1	0.07 (J)	<0.1	0.55
9/1/2016									
10/24/2016		0.18 (J)							
10/25/2016			<0.1						
10/26/2016	0.05 (J)			0.24 (J)	0.12 (J)	0.55	0.62	<0.1	
10/27/2016									0.26 (J)
1/3/2017	0.08 (J)	0.18 (J)							
1/4/2017			0.18 (J)		0.06 (J)			<0.1	
1/5/2017				0.11 (J)		0.09 (J)	0.17 (J)		
1/6/2017									0.25 (J)
4/3/2017		0.12 (J)							
4/4/2017			<0.1				0.08 (J)		
4/5/2017									
4/6/2017	0.006 (J)			0.3	<0.1	<0.1		<0.1	0.16 (J)
7/10/2017									
7/11/2017		0.39			0.03 (J)			<0.1	
7/12/2017	0.05 (J)		0.04 (J)	0.15 (J)		<0.1			0.2 (J)
7/13/2017							0.06 (J)		
10/2/2017		0.12 (J)							
10/3/2017	0.11 (J)		<0.1	0.11 (J)			0.06 (J)	<0.1	
10/4/2017					0.12 (J)	<0.1			0.22 (J)
1/9/2018		0.21 (J)		<0.1					
1/10/2018	<0.1		<0.1			<0.1	<0.1		
1/11/2018					<0.1			<0.1	0.98
7/9/2018		0.04 (J)							
7/10/2018	0.2 (J)		<0.1	<0.1			<0.1		
7/11/2018					<0.1	<0.1		<0.1	0.14 (J)
1/16/2019	<0.1	<0.1	<0.1	0.053 (J)		<0.1			
1/17/2019								<0.1	
1/18/2019					<0.1				0.24 (J)
1/21/2019							<0.1		
3/25/2019		0.082 (J)							
3/26/2019	<0.1		0.051 (J)	0.046 (J)		0.052 (J)			
3/27/2019					<0.1			<0.1	0.13 (J)
7/30/2019							0.083 (J)		
8/26/2019		0.13							
8/27/2019			<0.1	0.13 (J)	0.1	<0.1	<0.1	<0.1	
8/28/2019	0.097 (J)								0.088 (J)
10/7/2019		<0.1							
10/8/2019						<0.1		<0.1	
10/9/2019	<0.1		<0.1	<0.1	<0.1		<0.1		0.068 (J)
4/6/2020		0.089 (J)							
4/7/2020	<0.1		<0.1	<0.1	<0.1			<0.1	
4/8/2020						<0.1	<0.1		0.058 (J)
8/17/2020		0.079 (J)				<0.1			
8/18/2020					<0.1		<0.1	<0.1	
8/19/2020	<0.1		<0.1	<0.1					0.092 (J)
9/28/2020		<0.1	<0.1			<0.1			
9/29/2020							<0.1	<0.1	
9/30/2020	<0.1			<0.1	<0.1				
10/1/2020									<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-5R	GWA-8 (bg)	GWC-1	GWB-6R	GWC-22	GWC-13	GWC-2	GWC-11	GWC-9
3/10/2021	<0.1		<0.1	<0.1	<0.1			<0.1	0.066 (J)
3/11/2021									
3/12/2021		0.087 (J)							
3/15/2021						<0.1	<0.1		
3/16/2021									
9/21/2021	<0.1	0.068 (J)		<0.1	<0.1	<0.1		<0.1	
9/22/2021							<0.1		0.13
9/23/2021			<0.1						
1/31/2022		0.09 (J)							
2/1/2022									
2/2/2022				<0.1			<0.1		<0.1
2/3/2022	0.081 (J)		<0.1		<0.1	<0.1		<0.1	
8/30/2022	0.0428 (J)	0.0759 (J)		<0.1					
8/31/2022					<0.1	0.051 (J)		<0.1	
9/1/2022			<0.1				<0.1		0.0783 (J)
1/31/2023		0.0842 (J)							
2/1/2023	0.0546 (J)			<0.1		0.0423 (J)		<0.1	0.0994 (J)
2/2/2023			<0.1		<0.1		<0.1		
8/28/2023		0.0498 (J)							
8/29/2023	<0.1		0.0596 (J)	0.0523 (J)	0.0758 (J)	<0.1	<0.1		0.115
9/6/2023								<0.1	
9/7/2023									
1/23/2024		0.0641 (J)	<0.1	<0.1	<0.1				
1/24/2024	<0.1							<0.1	0.0618 (J)
1/25/2024						<0.1	0.0377 (J)		
2/7/2024									
2/8/2024	<0.1								
8/19/2024									
8/20/2024			<0.1	0.0768 (J)					
8/21/2024	0.0435 (J)	0.108			<0.1	0.0496 (J)	0.0532 (J)	<0.1	0.134
8/22/2024									
1/27/2025		0.0768 (J)							
1/28/2025				<0.1	<0.1			<0.1	
1/29/2025	<0.1		<0.1			<0.1	0.0517 (J)		0.0734 (J)
7/28/2025		0.0842 (J)							
7/29/2025			<0.1	0.0648 (J)	0.0732 (J)			<0.1	
7/30/2025	<0.1					<0.1	0.0506 (J)		0.0743 (J)
1/27/2026		0.0831 (J)	<0.1					<0.1	
1/28/2026	<0.1			0.0468 (J)	<0.1	<0.1	<0.1		0.0837 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-14	GWC-20	GWC-15	GWC-16	GWB-4R	GWC-17	GWC-21	GWA-7 (bg)
8/30/2016									
8/31/2016	0.7								
9/1/2016		0.25 (J)	<0.1	<0.1	0.55	<0.1	0.68	<0.1	<0.1
10/24/2016									
10/25/2016		0.43	<0.1	0.5	0.36			<0.1	0.07 (J)
10/26/2016	0.91					0.05 (J)	0.68		
10/27/2016									
1/3/2017									
1/4/2017	0.51		0.04 (J)		0.1 (J)			<0.1	
1/5/2017		0.21 (J)		0.22 (J)			0.73		
1/6/2017						0.08 (J)			0.2 (J)
4/3/2017				<0.1					
4/4/2017		0.45	0.02 (J)			<0.1		<0.1	
4/5/2017	0.71				0.2 (J)		1.6		
4/6/2017									0.05 (J)
7/10/2017	0.88								
7/11/2017		0.41	0.14 (J)	0.06 (J)					
7/12/2017					0.04 (J)	0.38			
7/13/2017							1.7	<0.1	0.41
10/2/2017		<0.1	<0.1	<0.1					
10/3/2017					0.86			<0.1	
10/4/2017	0.37					<0.1	1.8		0.04 (J)
1/9/2018		<0.1		<0.1				<0.1	0.46
1/10/2018			<0.1		<0.1				
1/11/2018	1.4					<0.1	1.5		
7/9/2018		<0.1	<0.1						
7/10/2018				0.15 (J)	<0.1			<0.1	
7/11/2018	0.62					<0.1	1.8		<0.1
1/16/2019		<0.1				1.2	1.4		0.49
1/17/2019	1.2			<0.1	<0.1			<0.1	
1/18/2019									
1/21/2019			<0.1						
3/25/2019			0.043 (J)			0.064 (J)			0.21 (J)
3/26/2019		0.13 (J)		0.13 (J)	0.11 (J)		0.89	0.071 (J)	
3/27/2019	0.036 (J)								
7/30/2019									
8/26/2019									<0.1
8/27/2019	0.3	<0.1		<0.1		0.031 (J)			
8/28/2019			<0.1		<0.1		0.61	<0.1	
10/7/2019									
10/8/2019		<0.1		<0.1	<0.1			<0.1	<0.1
10/9/2019	<0.1		<0.1			<0.1	<0.1		
4/6/2020									0.13 (J)
4/7/2020	0.27 (J)	<0.1		<0.1	<0.1	<0.1		<0.1	
4/8/2020			<0.1				0.55		
8/17/2020	0.19								
8/18/2020		<0.1	<0.1	<0.1	<0.1		0.51	<0.1	
8/19/2020						0.17			0.21
9/28/2020									0.069 (J)
9/29/2020	0.16	<0.1							
9/30/2020			<0.1	<0.1	<0.1		0.15	<0.1	
10/1/2020						<0.1			

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-14	GWC-20	GWC-15	GWC-16	GWB-4R	GWC-17	GWC-21	GWA-7 (bg)
3/10/2021	0.14					<0.1			
3/11/2021							0.42		<0.1
3/12/2021			<0.1	<0.1					
3/15/2021									
3/16/2021		<0.1			<0.1			<0.1	
9/21/2021	0.31					<0.1			0.077 (J)
9/22/2021		<0.1	<0.1		<0.1		0.79	<0.1	
9/23/2021				<0.1					
1/31/2022									<0.1
2/1/2022			<0.1		<0.1		0.68	<0.1	
2/2/2022		<0.1				<0.1			
2/3/2022	0.36			<0.1					
8/30/2022	0.273	<0.1	<0.1			<0.1		<0.1	0.0391 (J)
8/31/2022				<0.1			0.442		
9/1/2022					0.0374 (J)				
1/31/2023									0.051 (J)
2/1/2023	0.231		<0.1		0.0702 (J)		0.604		
2/2/2023		<0.1		<0.1		<0.1		<0.1	
8/28/2023									<0.1
8/29/2023						<0.1	0.572		
9/6/2023	0.238	<0.1	<0.1		<0.1			<0.1	
9/7/2023				<0.1					
1/23/2024									0.0367 (J)
1/24/2024			<0.1	<0.1			0.416		
1/25/2024	0.182	<0.1			<0.1	<0.1		<0.1	
2/7/2024						<0.1			
2/8/2024									
8/19/2024									0.061 (J)
8/20/2024						<0.1			
8/21/2024	0.194	<0.1	0.168	<0.1	<0.1		0.642		
8/22/2024								<0.1	
1/27/2025									
1/28/2025						<0.1	0.437		0.0568 (J)
1/29/2025	0.232	<0.1	<0.1	<0.1	<0.1			<0.1	
7/28/2025						0.0357 (J)			0.0506 (J)
7/29/2025			0.269 (J)				0.418		
7/30/2025	0.137	<0.1		<0.1	<0.1			<0.1	
1/27/2026			<0.1	<0.1		<0.1			0.0628 (J)
1/28/2026	0.117	<0.1			<0.1		0.567	<0.1	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-6R	GWC-21	GWC-16	GWC-20	GWC-17	GWC-2	GWC-1	GWB-4R	GWC-11
7/16/2013	5.25	5.71	4.92	6.1	4.55	4.52	5.38	6.22	5.2
10/11/2014			5.17						
8/30/2016	5.25						5.38		
8/31/2016						4.85			5.11
9/1/2016		5.96	5.31	5.88	4.22			5.72	
10/24/2016									
10/25/2016		5.41	5.58	6.06			5.51		
10/26/2016	5.21				4.45	4.48		6.06	5.08
10/27/2016									
1/3/2017									
1/4/2017		5.6	5.51	6.05			5.46		5.06
1/5/2017	5.2				4.45	4.85			
1/6/2017								6.02	
4/3/2017									
4/4/2017		5.94		6.03		4.58	5.43	6.08	
4/5/2017			5.51		4.33				
4/6/2017	5.17								4.97
7/10/2017									
7/11/2017				5.96					5.26
7/12/2017	5.24		5.84				5.46	5.93	
7/13/2017		5.6			4.11	4.74			
10/2/2017				5.88					
10/3/2017	5.36	5.18	5.55			4.52	5.65		5.07
10/4/2017					4.09			5.77	
1/9/2018	5.4	6.14							
1/10/2018			5.99	6.21		5.31	5.67		
1/11/2018					4.4			5.98	5.18
7/9/2018				6.24					
7/10/2018	5.31	5.7	5.5			4.58	5.71		
7/11/2018					4.07			6.01	4.82
1/16/2019	5.99				4.05		5.59	5.83	
1/17/2019		7.39	7.13						4.91
1/18/2019									
1/21/2019				7.73 (O)		5.05			
3/25/2019				6.28				5.74	
3/26/2019	5.94	6.08	5.57		4.62		5.77		
3/27/2019									5.18
7/30/2019						4.74			
8/26/2019									
8/27/2019	5.67					4.77	5.84	5.7	5.17
8/28/2019		6.05	5.57	6.34	4.62				
10/7/2019									
10/8/2019		6.09	5.54						4.93
10/9/2019	5.66			6.5	4.66	4.79	5.82	5.79	
4/6/2020									
4/7/2020	5.86	6	5.94				5.36	5.74	5.05
4/8/2020				6.31	4.71	4.66			
8/17/2020									
8/18/2020		5.82	5.52	5.89	4.31	4.6			4.41
8/19/2020	5.21						5.73	5.7	
9/28/2020							5.79		
9/29/2020						4.6			4.77

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-6R	GWC-21	GWC-16	GWC-20	GWC-17	GWC-2	GWC-1	GWB-4R	GWC-11
9/30/2020	5.39	5.82	5.47	6.04	4.08				
10/1/2020								5.75	
3/10/2021	5.69						5.42	5.6	4.97
3/11/2021					5.2				
3/12/2021				5.86					
3/15/2021						4.56			
3/16/2021		5.74	5.67						
9/21/2021	5.4							5.78	4.92
9/22/2021		5.39	5.57	6	4.63	4.71			
9/23/2021							6.06		
11/10/2021									
1/31/2022									
2/1/2022		5.76	5.57	5.9	4.53				
2/2/2022	5.75					4.79		5.71	
2/3/2022							5.89		4.98
8/30/2022	5.55	5.76		6.01				5.67	
8/31/2022					4.33				4.85
9/1/2022			5.37			4.73	5.8		
1/31/2023									
2/1/2023	5.54		5.23	6.01	4.74				4.71
2/2/2023		5.71				4.6	5.78	5.99	
8/28/2023									
8/29/2023	5.33				4.66	4.68	5.68	5.82	
9/6/2023		5.78	5.16	5.86					5.05
9/7/2023									
1/23/2024	5.57						5.96		
1/24/2024				6.41	4.74				4.95
1/25/2024		5.77	5.35			4.79		6.17	
2/7/2024								6.07	
2/8/2024									
8/19/2024									
8/20/2024	5.62						5.83	6.28	
8/21/2024			5.53	6.03	4.47	4.76			5.02
8/22/2024		5.54							
1/27/2025									
1/28/2025	5.81				5.12			5.96	5.03
1/29/2025		5.63	5.11	6.08		4.68	6.18		
7/28/2025								6.09	
7/29/2025	5.47			5.91	5.06		6.01		4.92
7/30/2025		5.69	5.32			4.48			
1/27/2026				5.82			5.68	5.92	4.91
1/28/2026	5.5	5.67	5.08		4.83	4.64			

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-22	GWC-9	GWC-14	GWB-5R	GWC-13	GWC-12	GWA-8 (bg)	GWA-7 (bg)
7/16/2013	5.96	4.91	5.05	4.62	5.95	4.95	4.17		
10/11/2014				4.58				4.42	
8/30/2016					5.16			4.42	
8/31/2016		4.54	4.7			4.92	3.98		
9/1/2016	6.56			4.71					5.93
10/24/2016								4.36	
10/25/2016	6.46			4.79					6.17
10/26/2016		4.6			5.27	4.95	4.04		
10/27/2016			4.65						
1/3/2017					5.09			4.28	
1/4/2017		4.63					4.01		
1/5/2017	6.25			4.73		4.97			
1/6/2017			4.56						6.16
4/3/2017	6.25							4.29	
4/4/2017				4.68					
4/5/2017						4.81	4		
4/6/2017		4.79	4.5		5.22	4.81			6.26
7/10/2017							3.89		
7/11/2017	6.5	4.73		4.72				4.35	
7/12/2017			4.56		5.29	4.83			
7/13/2017									5.99
10/2/2017	6.83			5.13				4.32	
10/3/2017					5.08				
10/4/2017		4.74	4.72			4.71	4.06		6.16
1/9/2018	6.57			5.59				4.44	6.43
1/10/2018					5.83	5.17			
1/11/2018		5.22	4.34				3.96		
7/9/2018				5.11				4.4	
7/10/2018	6.42				6.42				
7/11/2018		4.68	4.68			4.49	3.95		6.1
1/16/2019				6.82	6.66	6.45 (O)		6.16 (O)	6.05
1/17/2019	8.44 (O)						3.89		
1/18/2019		6.98 (O)	6.87 (O)						
1/21/2019									
3/25/2019								4.4	6.06
3/26/2019	6.65			5.74	5.1	4.96			
3/27/2019		4.77	4.38				4.11		
7/30/2019									
8/26/2019								4.26	5.91
8/27/2019	6.57	4.89		5.58		4.9	4.02		
8/28/2019			4.68		5.95				
10/7/2019								4.24	
10/8/2019	6.65			5.68		4.81			5.74
10/9/2019		4.68	4.62		6.11		4.25		
4/6/2020								4.52	6.02
4/7/2020	6.83	4.8		6.2	5.45		4.1		
4/8/2020			4.73			4.81			
8/17/2020						4.65	3.94	4.23	
8/18/2020	6.39	4.52		5.56					
8/19/2020			4.58		5.14				5.81
9/28/2020						4.76		4.41	5.86
9/29/2020				5.69			3.95		

Prediction Limit

Constituent: pH, Field (SU) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-22	GWC-9	GWC-14	GWB-5R	GWC-13	GWC-12	GWA-8 (bg)	GWA-7 (bg)
9/30/2020	6.71	4.63			4.99				
10/1/2020			4.42						
3/10/2021		4.82	4.55		4.73		4.08		
3/11/2021									5.85
3/12/2021	6.21							4.54	
3/15/2021						4.74			
3/16/2021				5.53					
9/21/2021		4.72			4.68	4.83	4.05	4.44	6.03
9/22/2021			4.7	5.76					
9/23/2021	6.48								
11/10/2021					4.49				
1/31/2022								4.39	5.94
2/1/2022									
2/2/2022			4.66	5.98					
2/3/2022	6.61	4.63			4.48	4.97	4.04		
8/30/2022				5.86	5.22		3.92	4.58	5.98
8/31/2022	6.57	4.68				4.76			
9/1/2022			4.6						
1/31/2023								4.6	6.02
2/1/2023			4.57		5.81	4.86	3.93		
2/2/2023	6.65	4.63		5.98					
8/28/2023								4.62	5.94
8/29/2023		4.55	4.56		5.17	4.89			
9/6/2023				6.19			4.35		
9/7/2023	6.64								
1/23/2024		4.84						4.68	6.08
1/24/2024	6.61		4.65		6.28				
1/25/2024				6.11		4.9	3.84		
2/7/2024									
2/8/2024					6.37				
8/19/2024									6.19
8/20/2024									
8/21/2024	6.69	4.81	4.64	5.75	6	4.73	4.09	4.59	
8/22/2024									
1/27/2025								4.73	
1/28/2025		4.99							6.36
1/29/2025	7.11		4.82	6.08	6.04	4.84	4.24		
7/28/2025								4.65	6.21
7/29/2025		4.56							
7/30/2025	6.58		4.51	6.06	5.47	4.62	4.37		
1/27/2026	6.49							4.39	6.19
1/28/2026		4.68	4.26	6.1	5.19	4.86	4.06		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-14	GWC-16	GWA-8 (bg)	GWC-15	GWC-2	GWC-17	GWC-1	GWB-5R	GWB-4R
9/11/2007	102	176	127						
9/12/2007				60.7	5.24	49.6	112	323	158
9/13/2007									
9/14/2007									
11/6/2007	123	184		60.7	9.83	50.1			
11/7/2007							112	335	177
11/8/2007			130						
1/15/2008									
1/16/2008	151	157		65.9	4.64	56.9			
1/17/2008							105	396	187
1/18/2008			130						
3/11/2008	78.3	154	143						
3/12/2008				60.7	12.3		156		214
3/13/2008						53.1		351	
6/3/2008									
6/4/2008			124			60.3	95	228	
6/5/2008	117	207		49.8	4.4				327
7/29/2008			122						
7/30/2008								384	213
7/31/2008	36.2	275		37.9	5.45	77.7	77.3		
8/30/2016			140				87	100	
8/31/2016					21				
9/1/2016	730	430		120		310			210
10/24/2016			160						
10/25/2016	420	360		100			83		
10/26/2016					100	280		130	230
10/27/2016									
1/3/2017			140					120	
1/4/2017		360					99		
1/5/2017	430			140	22	310			
1/6/2017									220
4/3/2017			140	150					
4/4/2017	600				29		110		230
4/5/2017		440				460			
4/6/2017								140	
7/10/2017									
7/11/2017	400		130	110					
7/12/2017		490					100	140	210
7/13/2017					20	490			
10/2/2017	470		150	56					
10/3/2017		780			20		63	130	
10/4/2017						1100			290
1/9/2018	440		120	84					
1/10/2018		470			9.5		86	110	
1/11/2018						810			210
7/9/2018	369		123						
7/10/2018		787		43	8.5		77.7	48.1	
7/11/2018						902			177
1/16/2019	291		129			422	71.2	184	244
1/17/2019		780		45.2					
1/18/2019									
1/21/2019					10.2				

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-14	GWC-16	GWA-8 (bg)	GWC-15	GWC-2	GWC-17	GWC-1	GWB-5R	GWB-4R
3/25/2019			152						245
3/26/2019	192	87.9		54		439	73.8	222	
3/27/2019									
7/30/2019					12.3				
10/7/2019			156						
10/8/2019	428	872		45.8					
10/9/2019					10.1	346	76.3	90.8	38.5
4/6/2020			123						
4/7/2020	456	844		26.9			83	180	221
4/8/2020					12.9	239			
9/28/2020			93.6				71.6		
9/29/2020	93.5				8.6				
9/30/2020		736		18.5		193		339	
10/1/2020									178
3/10/2021							61.2	572	160
3/11/2021						244			
3/12/2021			103	21.1					
3/15/2021					10				
3/16/2021	92	821							
9/21/2021			96.5					829	232
9/22/2021	444	1040			10.3	394			
9/23/2021				124			37.3		
1/31/2022			89.7						
2/1/2022		1010				416			
2/2/2022	589				9				338
2/3/2022				102			49.2	797	
8/30/2022	410		77.4					403	379
8/31/2022				88.5		721			
9/1/2022		1140			10.3		44		
1/31/2023			79.3						
2/1/2023		1160				547		190	
2/2/2023	220			34.3	11.9		35.3		337
8/28/2023			62.9						
8/29/2023					10.5	444	64.7	299	551
9/6/2023	185	1250							
9/7/2023				46.8					
1/23/2024			78.2				54.4		
1/24/2024				49.7		389		75.2	
1/25/2024	167	1130			10.9				744
2/7/2024									852
2/8/2024								80	
8/19/2024									
8/20/2024							54		772
8/21/2024	71.5	1370	107	34.2	11.6	453		289	
8/22/2024									
1/27/2025			92.8						
1/28/2025						391			824
1/29/2025	365	1540		108	11		35.1	516	
7/28/2025			87.9						593
7/29/2025						385	25.9		
7/30/2025	219	1360		74	11.6			661	
1/27/2026			85	84.9			33		657

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-14	GWC-16	GWA-8 (bg)	GWC-15	GWC-2	GWC-17	GWC-1	GWB-5R	GWB-4R
1/28/2026	318	1880			10.8	539		692	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-12	GWC-11	GWC-9	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
9/11/2007									
9/12/2007									
9/13/2007	12.6	253	10	21.6					
9/14/2007					73	94.7			
11/6/2007									
11/7/2007	16	267							
11/8/2007			11.5	23.9	76	97.7			
1/15/2008	10.7	346	8.36						
1/16/2008				22.4					
1/17/2008					66				
1/18/2008						60.3			
3/11/2008	9.6	338							
3/12/2008				22.6					
3/13/2008			7.89		99.6	98.9			
6/3/2008	11	312	7.84						
6/4/2008				27.3		84.8			
6/5/2008					66.9				
7/29/2008			7.7	27.8		86.7			
7/30/2008	11.1	286			68.6				
7/31/2008									
8/30/2016					120				
8/31/2016	43	1100	64	84			700		
9/1/2016						73		180	36
10/24/2016									
10/25/2016						26		79	16
10/26/2016	29	900	56		120		850		
10/27/2016				76					
1/3/2017									
1/4/2017		880	65				680	170	45
1/5/2017	32				130				
1/6/2017				66		23			
4/3/2017									
4/4/2017								300	46
4/5/2017		990							
4/6/2017	49		110	79	150	25	220		
7/10/2017		480							
7/11/2017			49				210	400	
7/12/2017	16			75	140				
7/13/2017						65			33
10/2/2017								390	
10/3/2017			140		140				34
10/4/2017	33	760		78		13	730		
1/9/2018					140	45			29
1/10/2018	22							99	
1/11/2018		780	270	110			180		
7/9/2018								99.2	
7/10/2018					128				33.2
7/11/2018	17.8	598	211	87.4		37.7	381		
1/16/2019	20.2				402	24.5			
1/17/2019		454	50.3						24.1
1/18/2019				56.9			107		
1/21/2019								35.5	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-12	GWC-11	GWC-9	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
3/25/2019						14.7		95.6	
3/26/2019	33.6				319				83.9
3/27/2019		579	76.8	76.2			103		
7/30/2019									
10/7/2019									
10/8/2019	22		310			32.8			85.6
10/9/2019		392		41.1	255		80.2	58.5	
4/6/2020						20.3			
4/7/2020		297	446		180		333		33.2
4/8/2020	30.7			34.2				428	
9/28/2020	25.6					20			
9/29/2020		237	516						
9/30/2020					339		65.5	956	306
10/1/2020				35					
3/10/2021		282	687	38.7	1160		101		
3/11/2021						12			
3/12/2021								933	
3/15/2021	30.6								
3/16/2021									343
9/21/2021	36.6	315	433		645	11.1	52.4		
9/22/2021				42.7				905	14.6
9/23/2021									
1/31/2022						15			
2/1/2022								862	374
2/2/2022				31.5	1460				
2/3/2022	32.1	333	347				46.2		
8/30/2022		415			978	10.6		606	451
8/31/2022	29		653				45.3		
9/1/2022				28.7					
1/31/2023						7.88			
2/1/2023	34.5	527	1090	25.2	842			596	
2/2/2023							71.6		447
8/28/2023						6.57			
8/29/2023	47.5			15.7	763		1010		
9/6/2023		437	827					460	470
9/7/2023									
1/23/2024					678	5.11	44.9		
1/24/2024			593	15.3				140	
1/25/2024	43.7	394							499
2/7/2024									
2/8/2024									
8/19/2024						2.76			
8/20/2024					734				
8/21/2024	44.4	602	404	24.1			41.8	688	
8/22/2024									291
1/27/2025									
1/28/2025			605		563	18.2	35.5		
1/29/2025	46.3	385		25.1				1250	698
7/28/2025						2.25			
7/29/2025			554		487		812	1260	
7/30/2025	46.6	388		22.6					413
1/27/2026			882			5.6		1190	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-13	GWC-12	GWC-11	GWC-9	GWB-6R	GWA-7 (bg)	GWC-22	GWC-20	GWC-21
1/28/2026	48.4	362		23.5	555		612		728

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-6R	GWB-5R	GWA-8 (bg)	GWC-1	GWC-2	GWC-13	GWC-12	GWC-9	GWC-11
8/30/2016	365	224	234	225					
8/31/2016					39	77	1560	173	119
9/1/2016									
10/24/2016			216						
10/25/2016				230					
10/26/2016	373	297			135	<10	1520		108
10/27/2016								221	
1/3/2017		366	333						
1/4/2017				349			1430		182
1/5/2017	543				99	146			
1/6/2017								259	
4/3/2017			288						
4/4/2017				356	54				
4/5/2017							1200		
4/6/2017	434	279				23 (J)		169	248
7/10/2017							1100		
7/11/2017			188						88
7/12/2017	454	308		357		39		163	
7/13/2017					50				
10/2/2017			210						
10/3/2017	389	288		192	18 (J)				248
10/4/2017						38	986	168	
1/9/2018	415		118						
1/10/2018		493		277	<10	<10			
1/11/2018							1020	190	681
7/9/2018			235						
7/10/2018	453	1730		349	49				
7/11/2018						63	888	165	440
1/16/2019	1320	382	219	341		44			
1/17/2019							765		118
1/18/2019								118	
1/21/2019					39				
3/25/2019			240						
3/26/2019	1250	1040		317		72			
3/27/2019							673	104	138
7/30/2019					70				
10/7/2019			275						
10/8/2019						51			613
10/9/2019	903	2010		338	46		647	128	
4/6/2020			214						
4/7/2020	775	483		195			464		780
4/8/2020					38	65		80	
9/28/2020			175	373		60			
9/29/2020					33		440		1100
9/30/2020	816	652							
10/1/2020								111	
3/10/2021	2120	1040		329			566	89	1240
3/11/2021									
3/12/2021			163						
3/15/2021					11	<10			
3/16/2021									
9/21/2021	985	1240	145			83	558		842

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-6R	GWB-5R	GWA-8 (bg)	GWC-1	GWC-2	GWC-13	GWC-12	GWC-9	GWC-11
9/22/2021					33			94	
9/23/2021				360					
1/31/2022			153						
2/1/2022									
2/2/2022	2440				43			96	
2/3/2022		1240		315		72	566		538
8/30/2022	1810	886	154				713		
8/31/2022						55			1240
9/1/2022				228	9 (J)			85	
1/31/2023			122						
2/1/2023	1570	1240				37	694	59	2010
2/2/2023				166	<10				
8/28/2023			138						
8/29/2023	1320	644		272	9 (J)	62		70	
9/6/2023							686		1330
9/7/2023									
1/23/2024	1310		158	263					
1/24/2024		2650						86	1170
1/25/2024					17	75	733		
2/7/2024									
2/8/2024		2530							
8/19/2024									
8/20/2024	1190			217					
8/21/2024		1160	165		25	77	817	90	510
8/22/2024									
1/27/2025			177						
1/28/2025	1240								1080
1/29/2025		1100		280	9 (J)	66	626	76	
7/28/2025			179						
7/29/2025	1110			327					977
7/30/2025		1110			20	114	638	90	
1/27/2026			194	271					1540
1/28/2026	1130	1220			21	79	613	86	

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-21	GWC-14	GWC-16	GWC-20	GWC-15	GWB-4R	GWC-17	GWA-7 (bg)
8/30/2016									
8/31/2016	1570								
9/1/2016		184	1170	878	470	539	1080	1270	3660 (o)
10/24/2016									
10/25/2016		<10	633	585	289	449			3560 (o)
10/26/2016	1840						1050	1320	
10/27/2016									
1/3/2017									
1/4/2017	1560	242		783	639				
1/5/2017			781			565		1770	
1/6/2017							1060		3490 (o)
4/3/2017						632			
4/4/2017		187	916		660		994		
4/5/2017				722				1600	
4/6/2017	368								3170 (o)
7/10/2017									
7/11/2017	383		675		836	569			
7/12/2017				962			1070		
7/13/2017		86						1940	2280
10/2/2017			689		698	559			
10/3/2017		66		1240					
10/4/2017	1500						1100	2370	3350 (o)
1/9/2018		167	653			520			2640
1/10/2018				935	322				
1/11/2018	438						838	2350	
7/9/2018			659		461				
7/10/2018		180		1040		524			
7/11/2018	876						799	2260	2200
1/16/2019			656				530	1540	2100
1/17/2019		178		1320		518			
1/18/2019	154								
1/21/2019					307				
3/25/2019					449		479		2100
3/26/2019		292	496	1380		541		1220	
3/27/2019	158								
7/30/2019									
10/7/2019									
10/8/2019		278	841	1500		526			1840
10/9/2019	211				434		502	1100	
4/6/2020									1670
4/7/2020	819	106	843	1500		428	482		
4/8/2020					986			881	
9/28/2020									1450
9/29/2020			187						
9/30/2020	113	634		1140	1860	434		752	
10/1/2020							424		
3/10/2021	210						434		
3/11/2021								705	1220
3/12/2021					1730	353			
3/15/2021									
3/16/2021		454	137	980					
9/21/2021	87						476		1210

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: TDS (mg/L) Analysis Run 3/30/2026 3:13 PM View: Appendix III

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	GWC-21	GWC-14	GWC-16	GWC-20	GWC-15	GWB-4R	GWC-17	GWA-7 (bg)
9/22/2021		51	864	1680	1430			1530	
9/23/2021						556			
1/31/2022									1260
2/1/2022		783		1990	1580			1580	
2/2/2022			1130				654		
2/3/2022	89					516			
8/30/2022		807	720		1210		882		1340
8/31/2022	163					530		2050	
9/1/2022				1720					
1/31/2023									1230
2/1/2023				2010	2290			1470	
2/2/2023	113	775	566			440	1180		
8/28/2023									1450
8/29/2023	2300						1290	1270	
9/6/2023		826	594	1980	924				
9/7/2023						471			
1/23/2024	88								1580
1/24/2024					597	497		1400	
1/25/2024		921	446	1860			2010		
2/7/2024							2360		
2/8/2024									
8/19/2024									1540
8/20/2024							1970		
8/21/2024	81		239	2100	1210	464		1120	
8/22/2024		517							
1/27/2025									
1/28/2025	64						1740	1350	1730
1/29/2025		1210	851	2470	2110	576			
7/28/2025							2130		1860
7/29/2025	1910				2100			1330	
7/30/2025		735	722	2100		544			
1/27/2026					2140	604	1770		1720
1/28/2026	1430	1380	747	3170				1870	

FIGURE G.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:17 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	GWA-8 (bg)	0.01389	180	105	Yes	24	0	n/a	0.01	NP
Boron (mg/L)	GWC-16	2.693	248	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	GWA-7 (bg)	-0.09171	-179	-146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWB-4R	11.57	231	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWB-6R	4.311	302	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-1	1.68	223	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-11	8.87	316	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-14	5.696	156	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-15	2.159	212	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-16	15.55	339	146	Yes	30	0	n/a	0.01	NP
Calcium (mg/L)	GWC-20	18.73	134	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	GWC-21	18.02	163	105	Yes	24	0	n/a	0.01	NP
Calcium (mg/L)	GWC-22	-5.078	-119	-105	Yes	24	0	n/a	0.01	NP
Fluoride (mg/L)	GWC-17	-0.05942	-138	-118	Yes	26	3.846	n/a	0.01	NP
pH, Field (SU)	GWA-8 (bg)	0.03174	139	118	Yes	26	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-7 (bg)	-4.607	-333	-146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWA-8 (bg)	-3.856	-220	-146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-4R	23.82	246	152	Yes	31	0	n/a	0.01	NP
Sulfate (mg/L)	GWB-6R	41	293	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-11	47.43	309	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-16	85.1	355	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-17	21.97	164	146	Yes	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	92.26	122	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-21	66.1	163	105	Yes	24	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-22	-23.89	-126	-105	Yes	24	0	n/a	0.01	NP
TDS (mg/L)	GWC-16	182.3	222	105	Yes	24	0	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

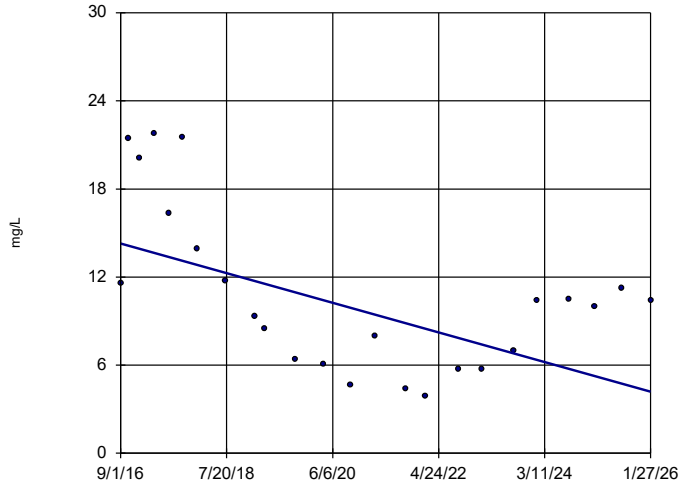
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:17 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Boron (mg/L)	GWA-7 (bg)	-1.074	-98	-105	No	24	0	n/a	0.01	NP
Boron (mg/L)	**GWA-8 (bg)**	**0.01389**	**180**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Boron (mg/L)	**GWC-16**	**2.693**	**248**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWA-7 (bg)**	**-0.09171**	**-179**	**-146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWA-8 (bg)	0	3	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-4R**	**11.57**	**231**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWB-5R	2.645	112	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWB-6R**	**4.311**	**302**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-1**	**1.68**	**223**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-11**	**8.87**	**316**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-12	0.8111	46	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-14**	**5.696**	**156**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-15**	**2.159**	**212**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-16**	**15.55**	**339**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	GWC-17	3.519	133	146	No	30	0	n/a	0.01	NP
Calcium (mg/L)	**GWC-20**	**18.73**	**134**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-21**	**18.02**	**163**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**GWC-22**	**-5.078**	**-119**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	GWA-7 (bg)	-3.962	-76	-146	No	30	0	n/a	0.01	NP
Chloride (mg/L)	GWA-8 (bg)	-0.1629	-70	-146	No	30	0	n/a	0.01	NP
Chloride (mg/L)	GWC-17	18	71	146	No	30	0	n/a	0.01	NP
Chloride (mg/L)	GWC-22	-7.432	-74	-105	No	24	0	n/a	0.01	NP
Fluoride (mg/L)	GWA-7 (bg)	-0.008336	-107	-118	No	26	26.92	n/a	0.01	NP
Fluoride (mg/L)	GWA-8 (bg)	-0.005294	-91	-118	No	26	11.54	n/a	0.01	NP
Fluoride (mg/L)	**GWC-17**	**-0.05942**	**-138**	**-118**	**Yes**	**26**	**3.846**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWA-7 (bg)	0.001845	7	118	No	26	0	n/a	0.01	NP
pH, Field (SU)	**GWA-8 (bg)**	**0.03174**	**139**	**118**	**Yes**	**26**	**0**	**n/a**	**0.01**	**NP**
pH, Field (SU)	GWC-12	0.008272	39	124	No	27	0	n/a	0.01	NP
pH, Field (SU)	GWC-15	0.02669	98	118	No	26	0	n/a	0.01	NP
Sulfate (mg/L)	**GWA-7 (bg)**	**-4.607**	**-333**	**-146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWA-8 (bg)**	**-3.856**	**-220**	**-146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWB-4R**	**23.82**	**246**	**152**	**Yes**	**31**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWB-5R	14.09	65	152	No	31	0	n/a	0.01	NP
Sulfate (mg/L)	**GWB-6R**	**41**	**293**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-11**	**47.43**	**309**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	GWC-12	-1.699	-15	-146	No	30	0	n/a	0.01	NP
Sulfate (mg/L)	GWC-14	-0.4015	-1	-146	No	30	0	n/a	0.01	NP
Sulfate (mg/L)	**GWC-16**	**85.1**	**355**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-17**	**21.97**	**164**	**146**	**Yes**	**30**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-20**	**92.26**	**122**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-21**	**66.1**	**163**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**GWC-22**	**-23.89**	**-126**	**-105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**
TDS (mg/L)	GWA-7 (bg)	-80.44	-51	-74	No	19	0	n/a	0.01	NP
TDS (mg/L)	GWA-8 (bg)	-9.897	-94	-105	No	24	0	n/a	0.01	NP
TDS (mg/L)	**GWC-16**	**182.3**	**222**	**105**	**Yes**	**24**	**0**	**n/a**	**0.01**	**NP**

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Sen's Slope Estimator

GWA-7 (bg)



n = 24

Slope = -1.074 units per year.

Mann-Kendall statistic = -98 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

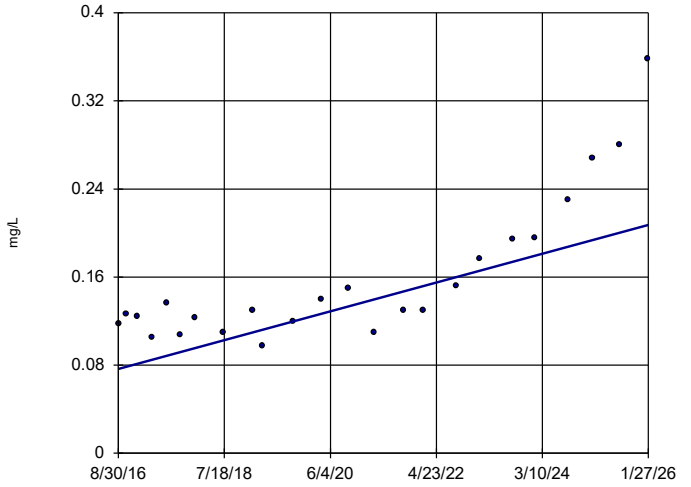
Constituent: Boron Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 24

Slope = 0.01389 units per year.

Mann-Kendall statistic = 180 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

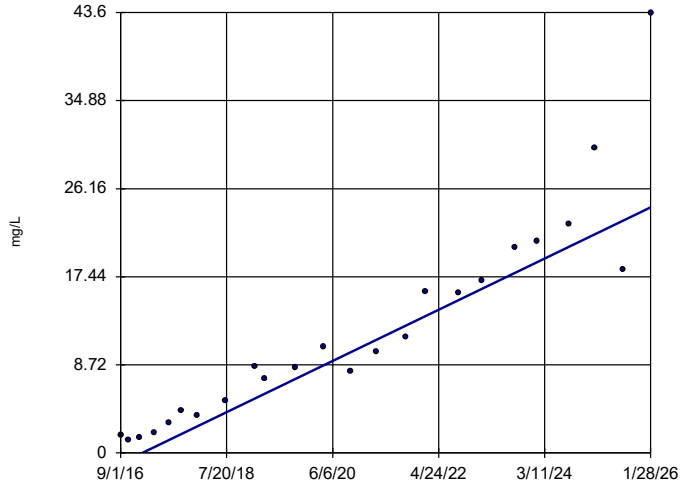
Constituent: Boron Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-16



n = 24

Slope = 2.693 units per year.

Mann-Kendall statistic = 248 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

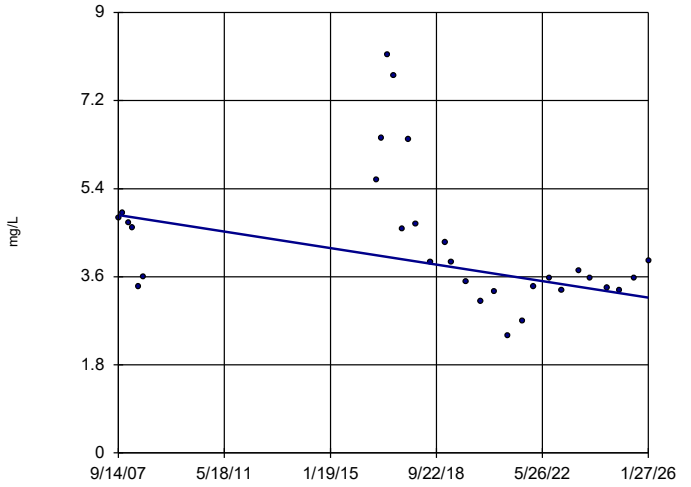
Constituent: Boron Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 30

Slope = -0.09171 units per year.

Mann-Kendall statistic = -179 critical = -146

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

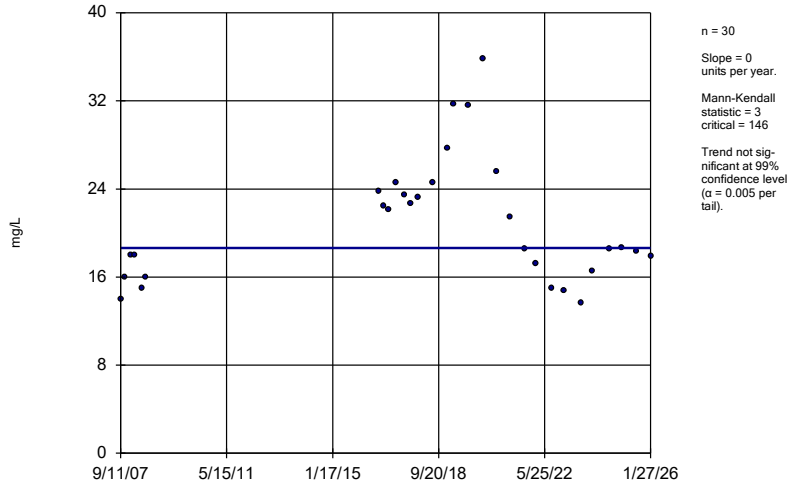
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



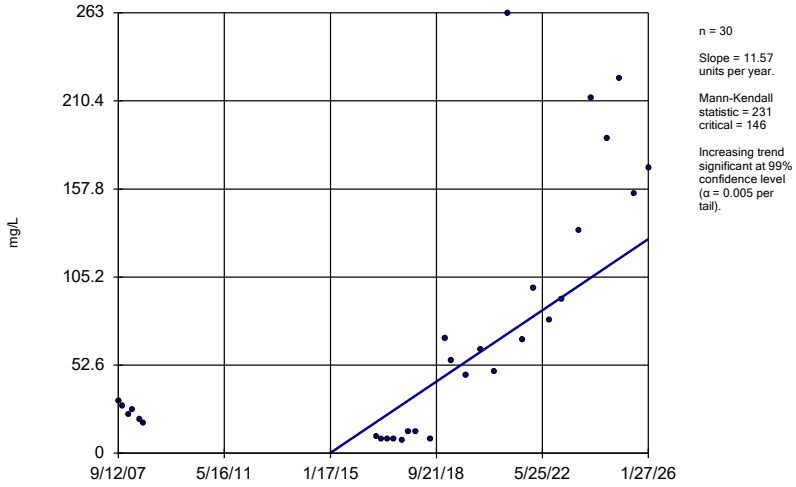
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-4R



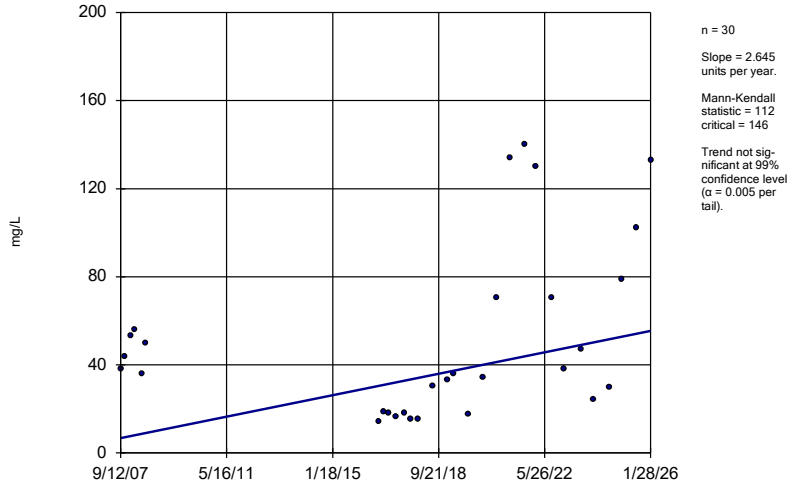
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-5R



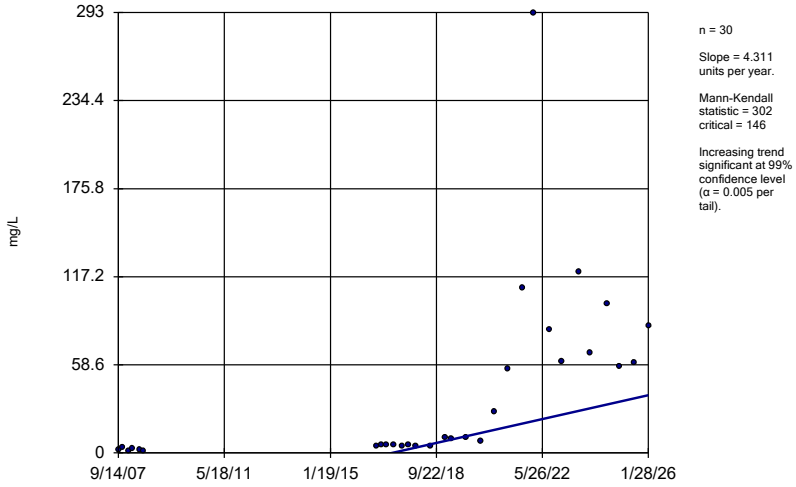
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-6R



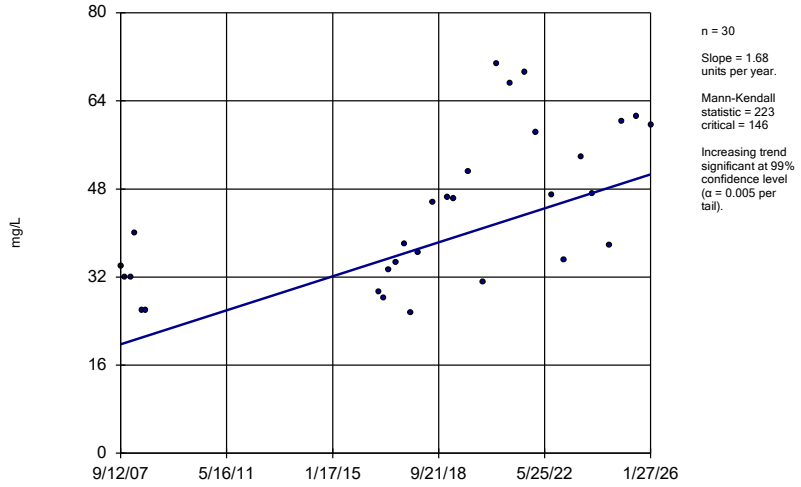
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-1



n = 30

Slope = 1.68 units per year.

Mann-Kendall statistic = 223 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

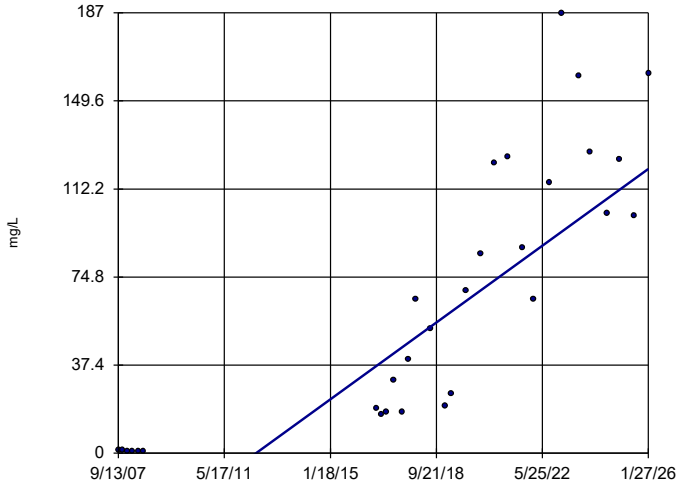
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-11



n = 30

Slope = 8.87 units per year.

Mann-Kendall statistic = 316 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

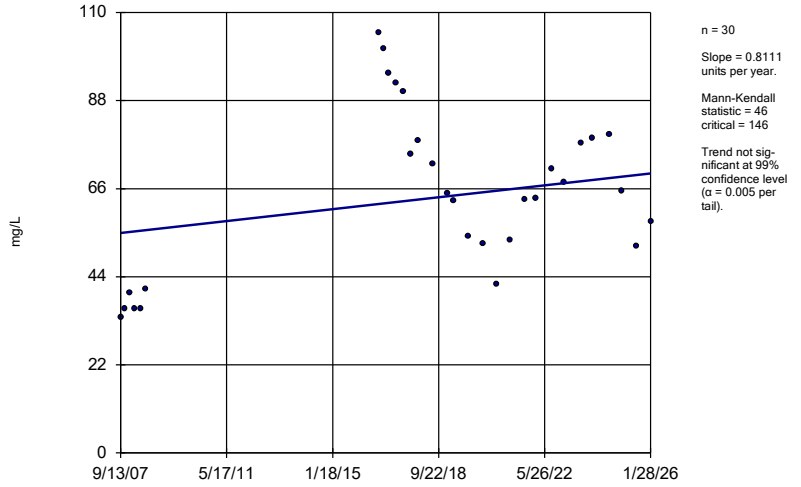
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-12



n = 30

Slope = 0.8111 units per year.

Mann-Kendall statistic = 46 critical = 146

Trend not significant at 99% confidence level (α = 0.005 per tail).

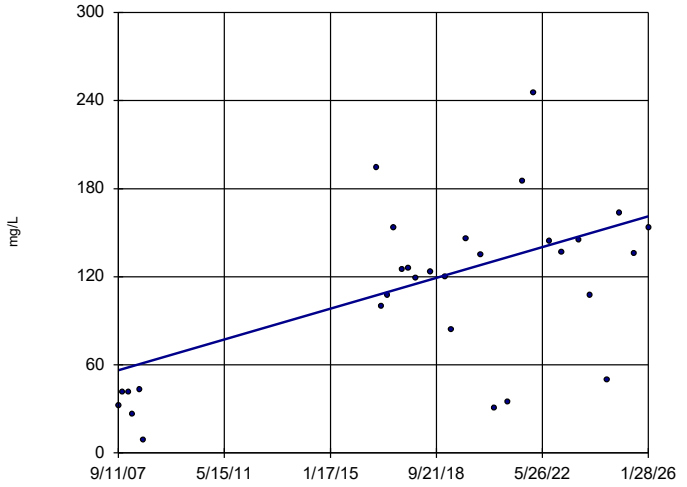
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-14



n = 30

Slope = 5.696 units per year.

Mann-Kendall statistic = 156 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

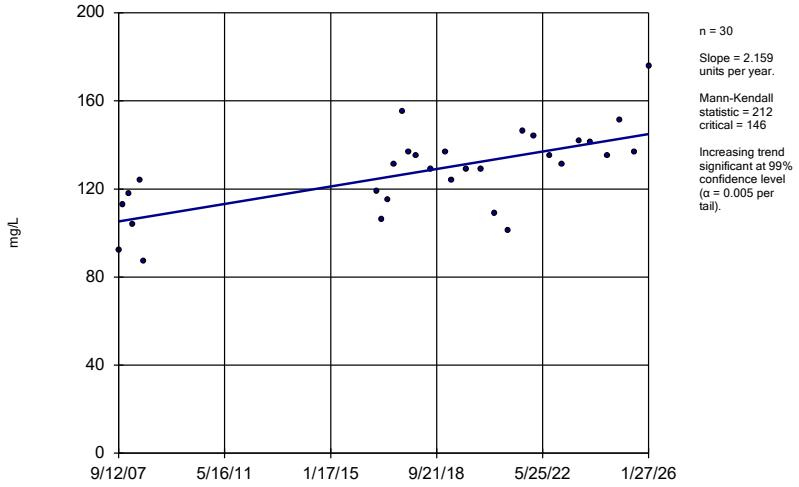
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 30

Slope = 2.159 units per year.

Mann-Kendall statistic = 212 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

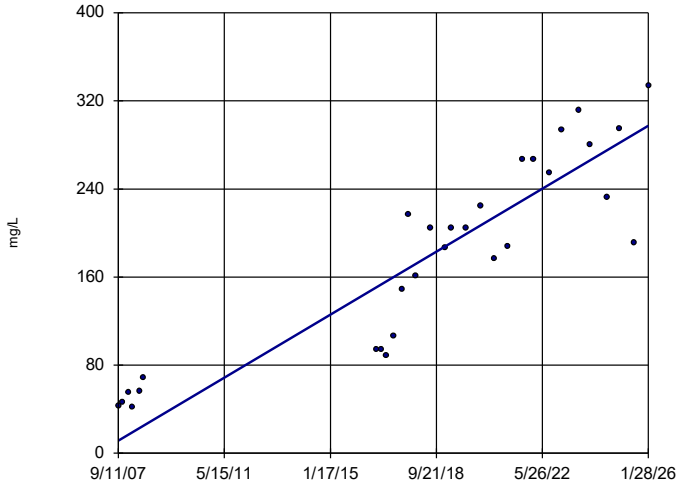
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-16



n = 30

Slope = 15.55 units per year.

Mann-Kendall statistic = 339 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

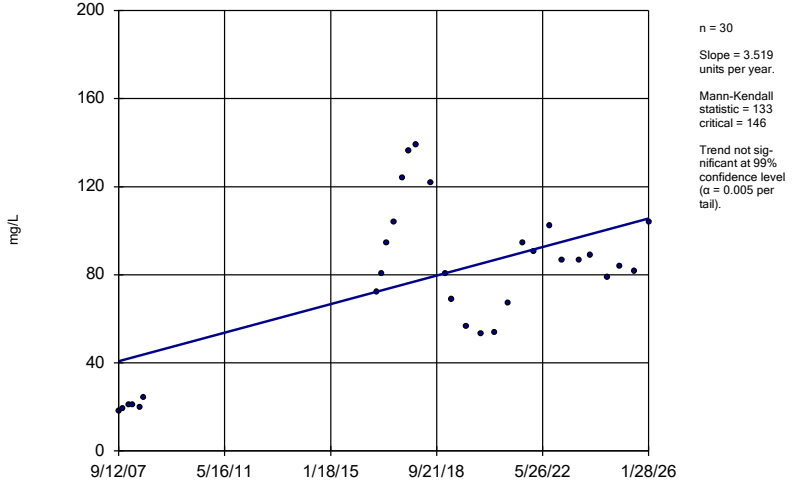
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-17



n = 30

Slope = 3.519 units per year.

Mann-Kendall statistic = 133 critical = 146

Trend not significant at 99% confidence level (α = 0.005 per tail).

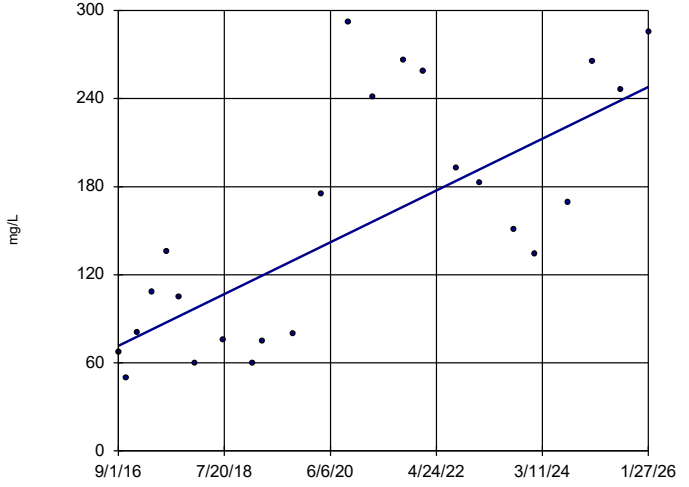
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Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 24

Slope = 18.73 units per year.

Mann-Kendall statistic = 134 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

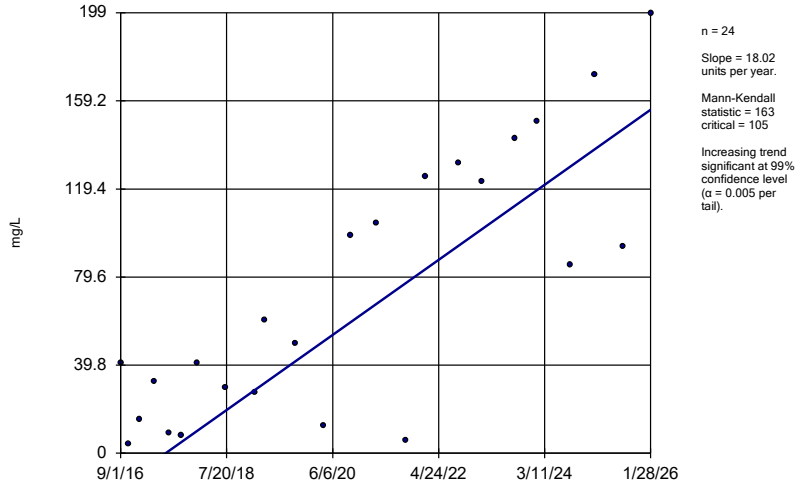
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-21



n = 24

Slope = 18.02 units per year.

Mann-Kendall statistic = 163 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

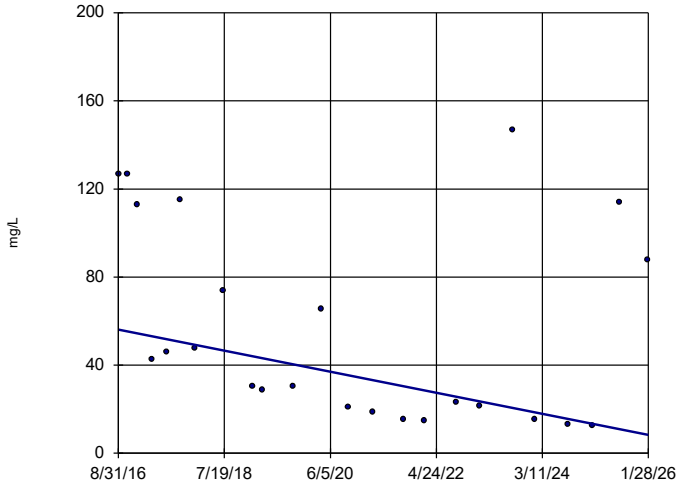
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-22



n = 24

Slope = -5.078 units per year.

Mann-Kendall statistic = -119 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

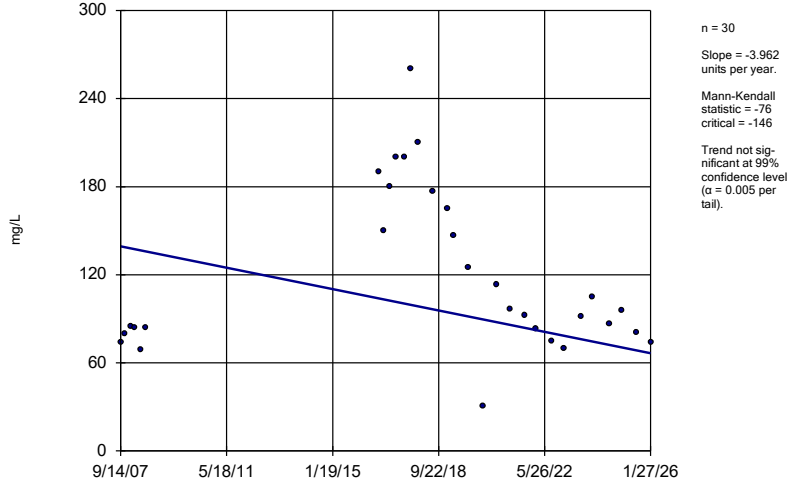
Constituent: Calcium Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 30

Slope = -3.962 units per year.

Mann-Kendall statistic = -76 critical = -146

Trend not significant at 99% confidence level (α = 0.005 per tail).

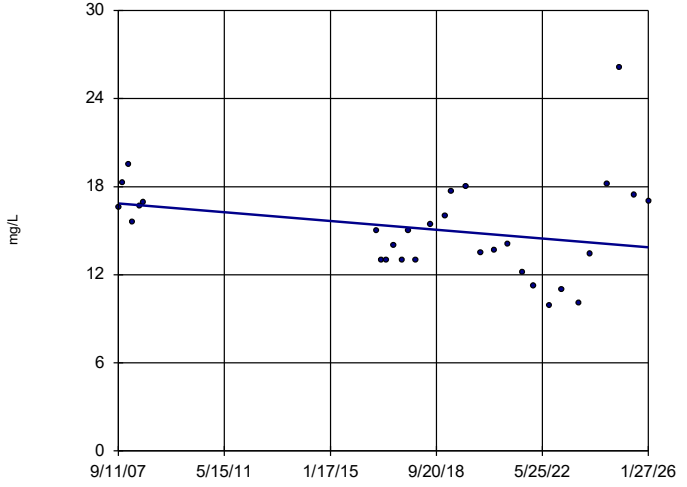
Constituent: Chloride Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 30

Slope = -0.1629 units per year.

Mann-Kendall statistic = -70 critical = -146

Trend not significant at 99% confidence level (α = 0.005 per tail).

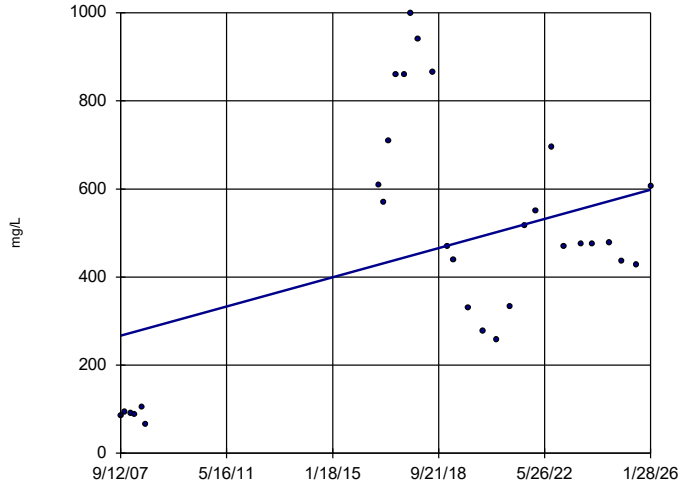
Constituent: Chloride Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-17



n = 30

Slope = 18 units per year.

Mann-Kendall statistic = 71 critical = 146

Trend not significant at 99% confidence level (α = 0.005 per tail).

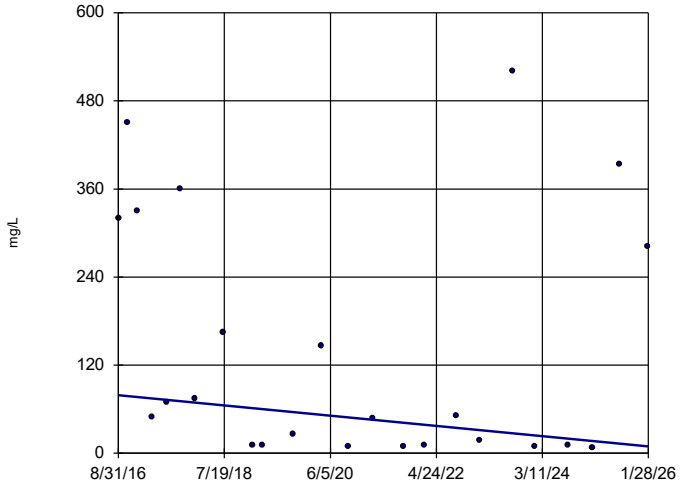
Constituent: Chloride Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-22



n = 24

Slope = -7.432 units per year.

Mann-Kendall statistic = -74 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

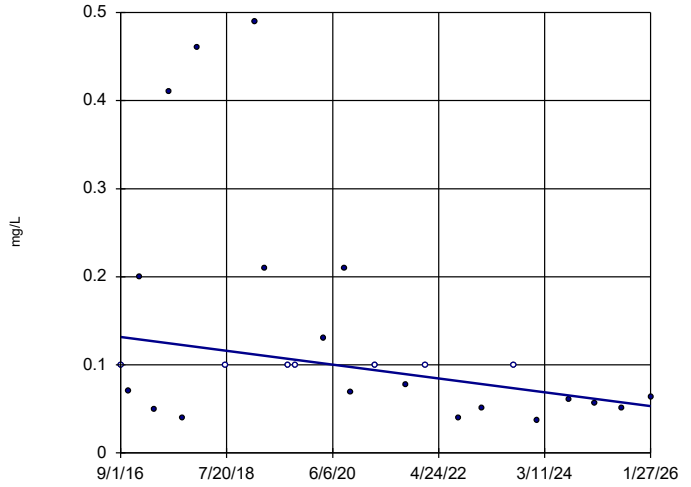
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 26

Slope = -0.008336 units per year.

Mann-Kendall statistic = -107 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

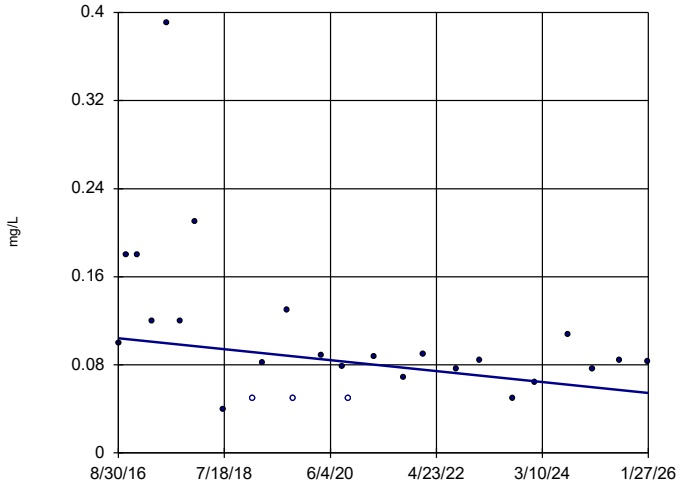
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 26

Slope = -0.005294 units per year.

Mann-Kendall statistic = -91 critical = -118

Trend not significant at 99% confidence level (α = 0.005 per tail).

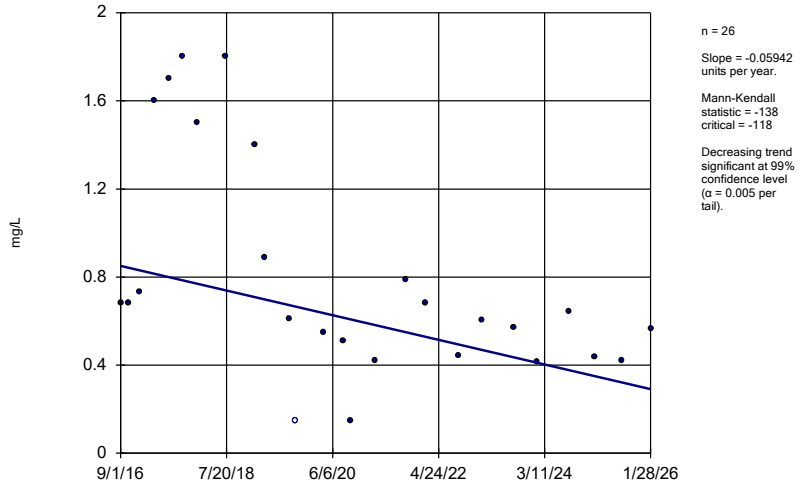
Constituent: Fluoride Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-17



n = 26

Slope = -0.05942 units per year.

Mann-Kendall statistic = -138
critical = -118

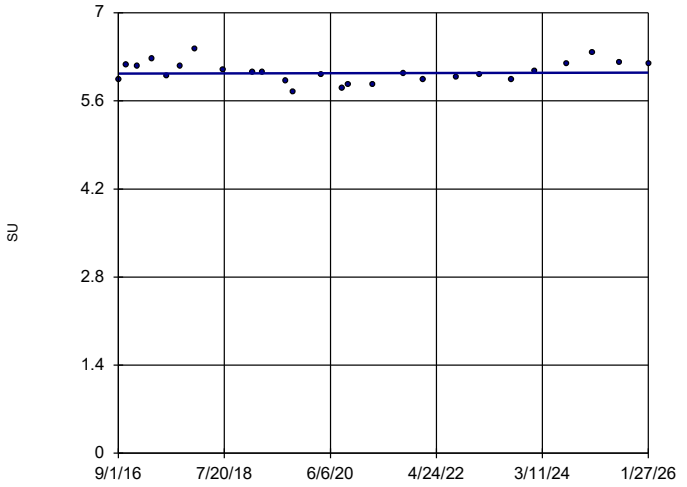
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 26

Slope = 0.001845 units per year.

Mann-Kendall statistic = 7
critical = 118

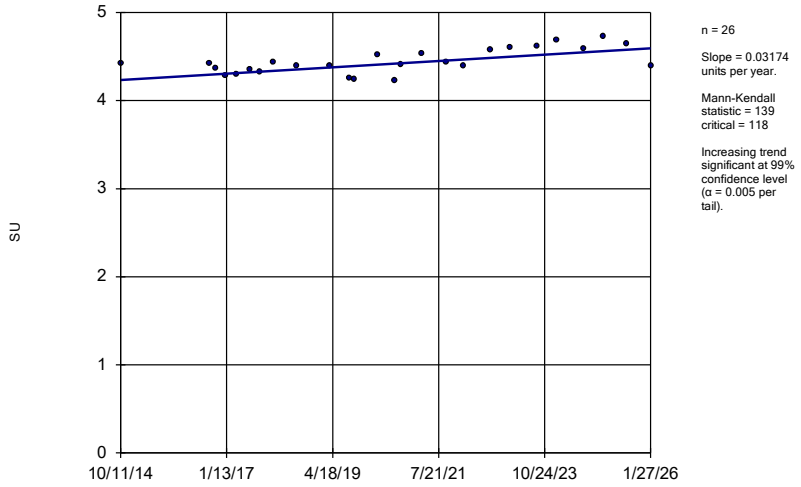
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 26

Slope = 0.03174 units per year.

Mann-Kendall statistic = 139
critical = 118

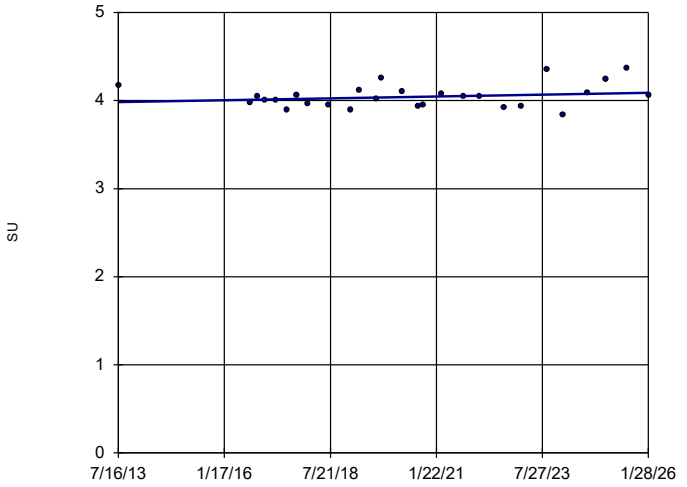
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-12



n = 27

Slope = 0.008272 units per year.

Mann-Kendall statistic = 39
critical = 124

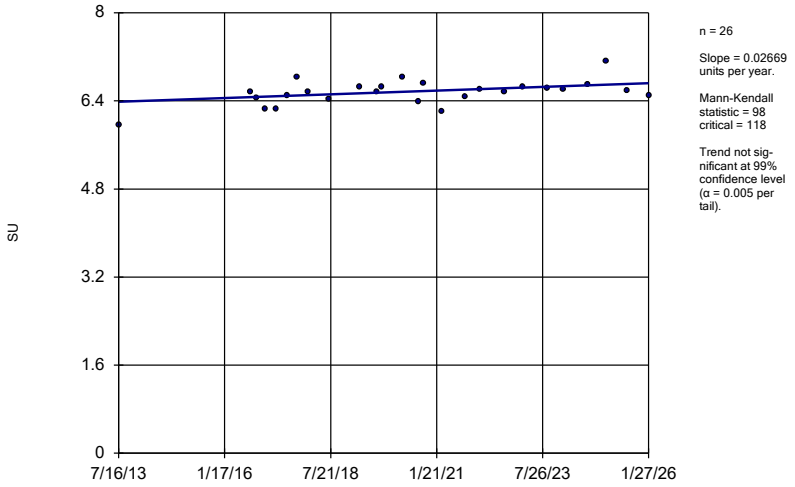
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 26

Slope = 0.02669 units per year.

Mann-Kendall statistic = 98
critical = 118

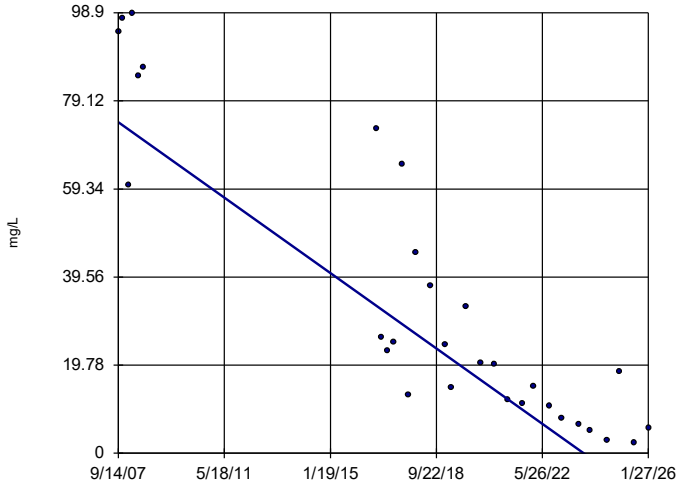
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH, Field Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 30

Slope = -4.607 units per year.

Mann-Kendall statistic = -333
critical = -146

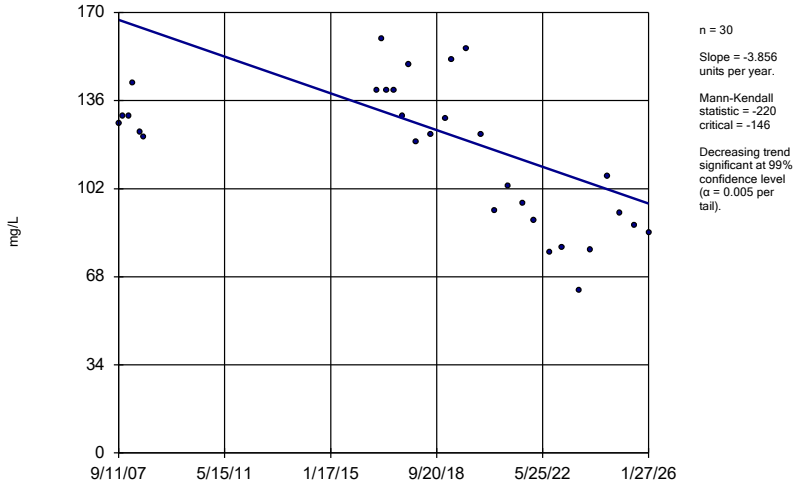
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 30

Slope = -3.856 units per year.

Mann-Kendall statistic = -220
critical = -146

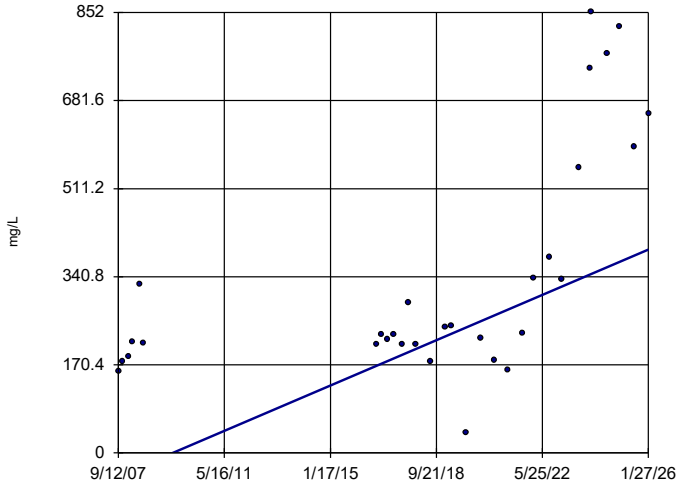
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/30/2026 3:15 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-4R



n = 31

Slope = 23.82 units per year.

Mann-Kendall statistic = 246
critical = 152

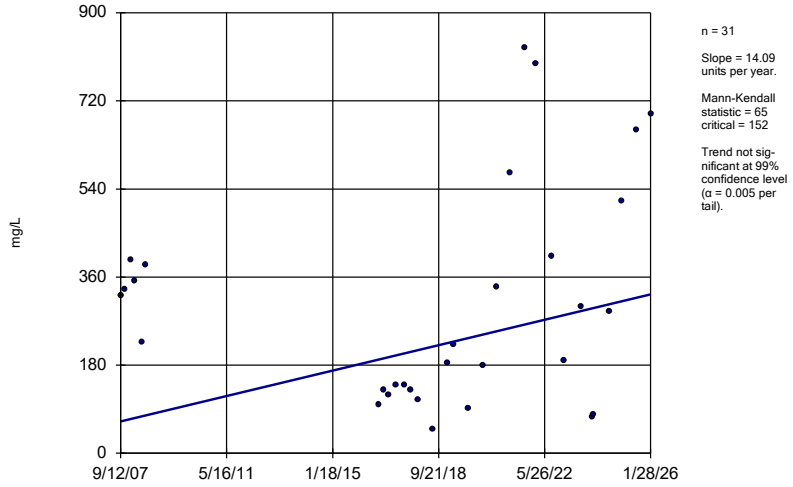
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-5R



n = 31

Slope = 14.09 units per year.

Mann-Kendall statistic = 65 critical = 152

Trend not significant at 99% confidence level (α = 0.005 per tail).

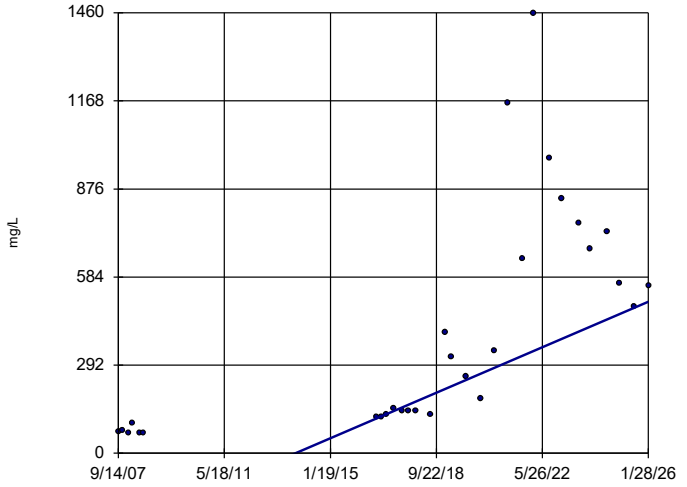
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-6R



n = 30

Slope = 41 units per year.

Mann-Kendall statistic = 293 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

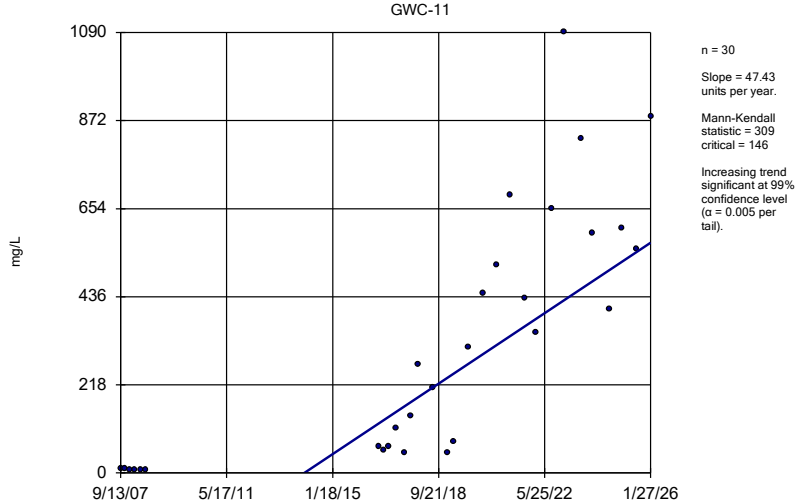
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-11



n = 30

Slope = 47.43 units per year.

Mann-Kendall statistic = 309 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

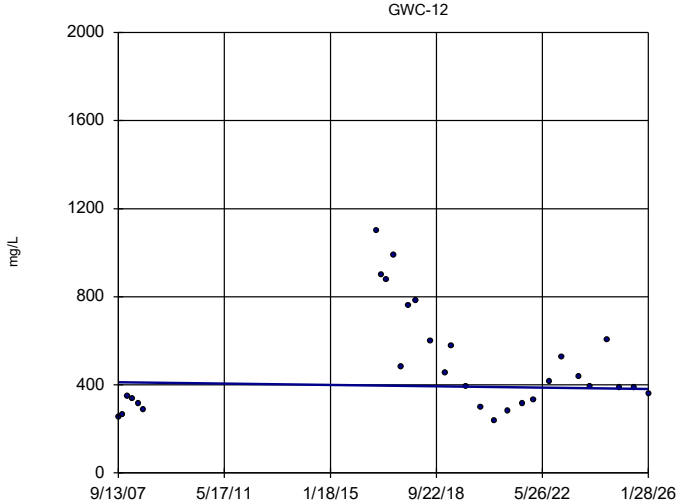
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-12



n = 30

Slope = -1.699 units per year.

Mann-Kendall statistic = -15 critical = -146

Trend not significant at 99% confidence level (α = 0.005 per tail).

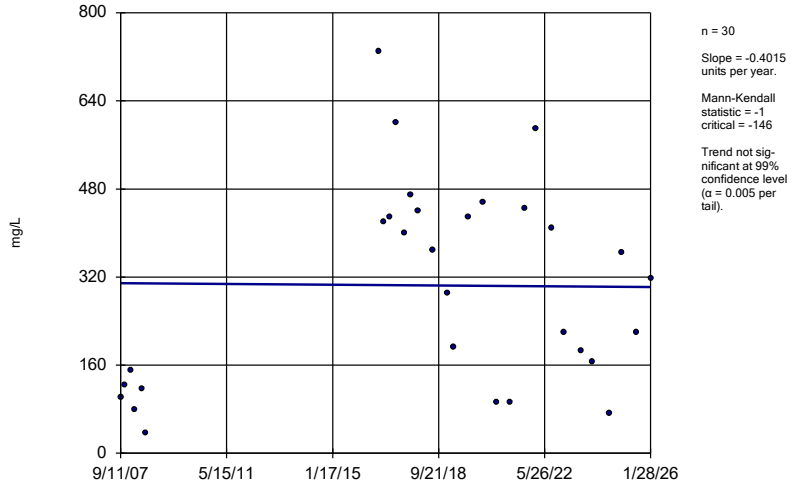
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-14



n = 30

Slope = -0.4015 units per year.

Mann-Kendall statistic = -1 critical = -146

Trend not significant at 99% confidence level (α = 0.005 per tail).

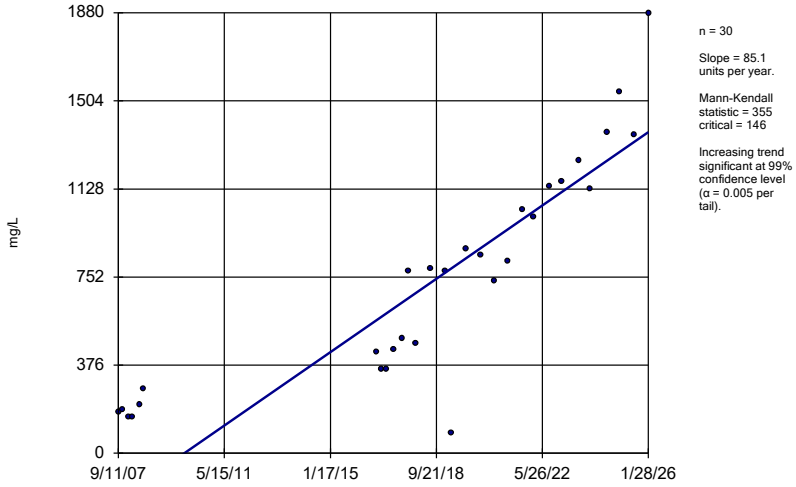
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-16



n = 30

Slope = 85.1 units per year.

Mann-Kendall statistic = 355 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

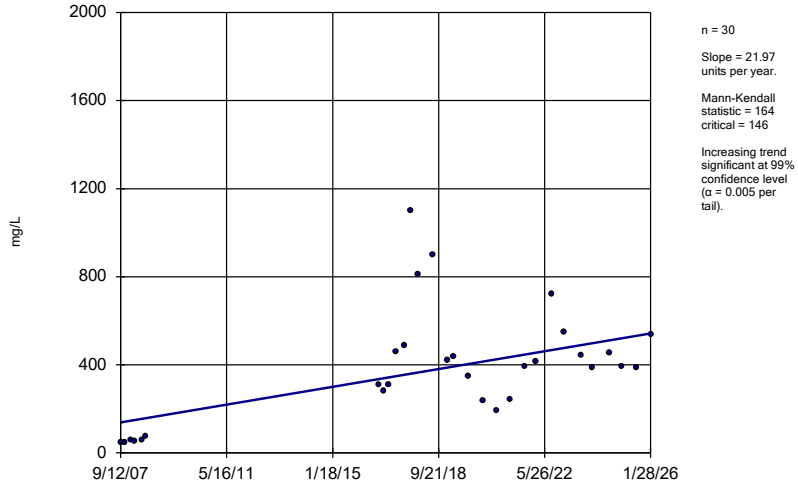
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-17



n = 30

Slope = 21.97 units per year.

Mann-Kendall statistic = 164 critical = 146

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

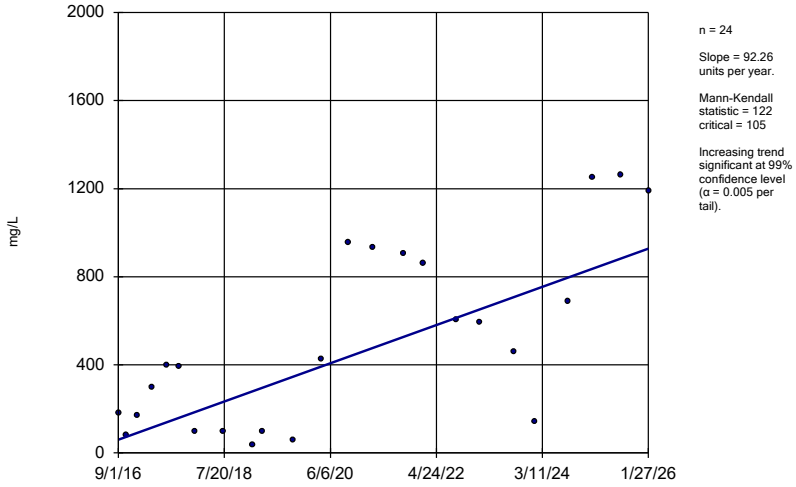
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 24

Slope = 92.26 units per year.

Mann-Kendall statistic = 122 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

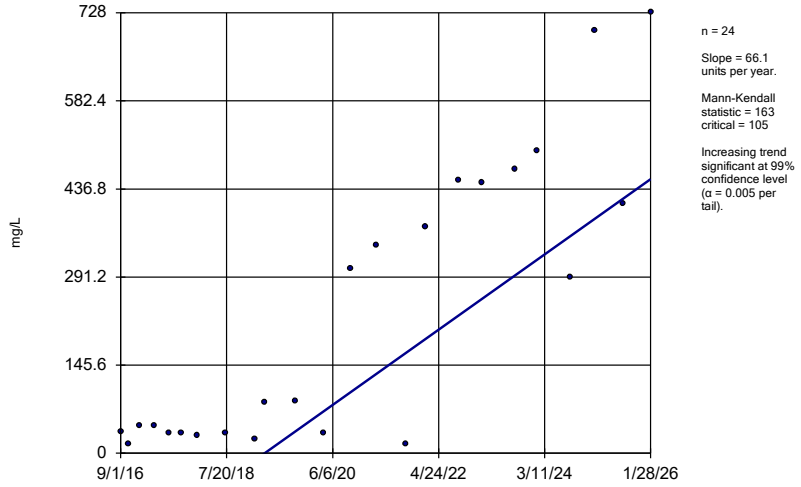
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-21



n = 24

Slope = 66.1 units per year.

Mann-Kendall statistic = 163 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

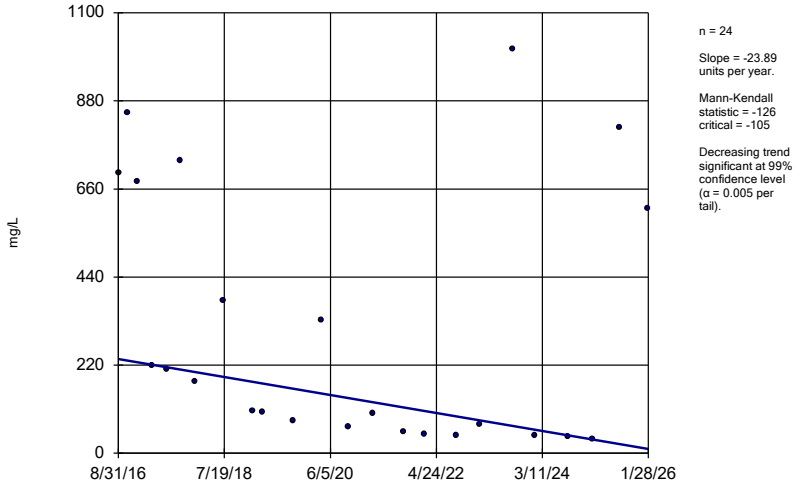
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-22



n = 24

Slope = -23.89 units per year.

Mann-Kendall statistic = -126 critical = -105

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

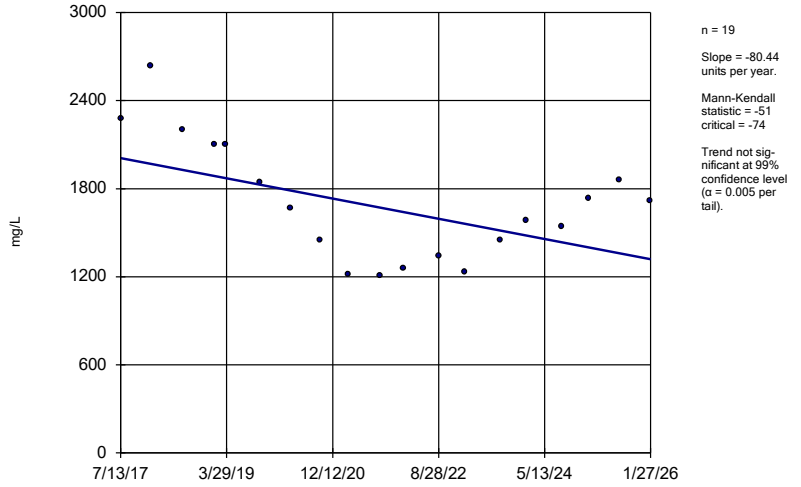
Constituent: Sulfate Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-7 (bg)



n = 19

Slope = -80.44 units per year.

Mann-Kendall statistic = -51 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

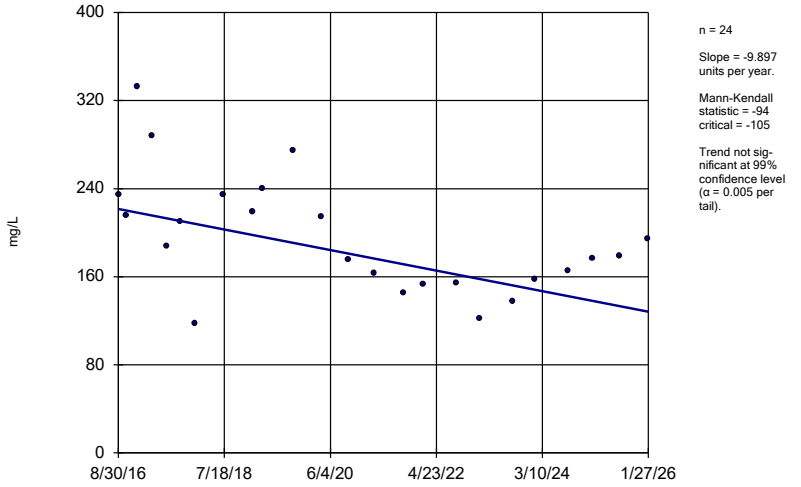
Constituent: TDS Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWA-8 (bg)



n = 24

Slope = -9.897 units per year.

Mann-Kendall statistic = -94 critical = -105

Trend not significant at 99% confidence level (α = 0.005 per tail).

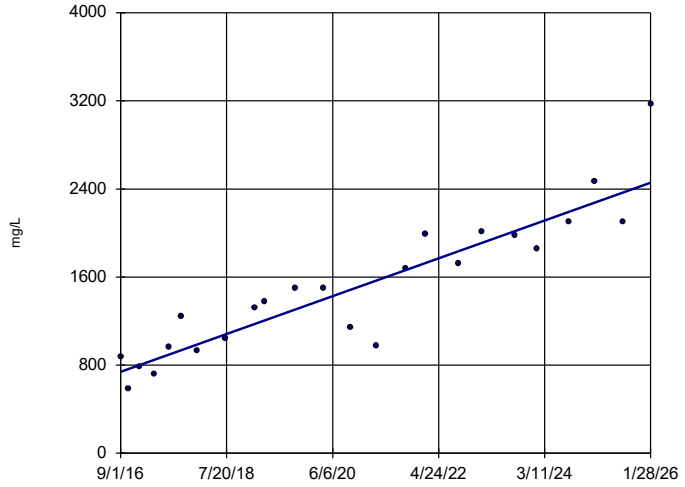
Constituent: TDS Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-16



n = 24

Slope = 182.3 units per year.

Mann-Kendall statistic = 222 critical = 105

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: TDS Analysis Run 3/30/2026 3:16 PM View: Appendix III - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE H.

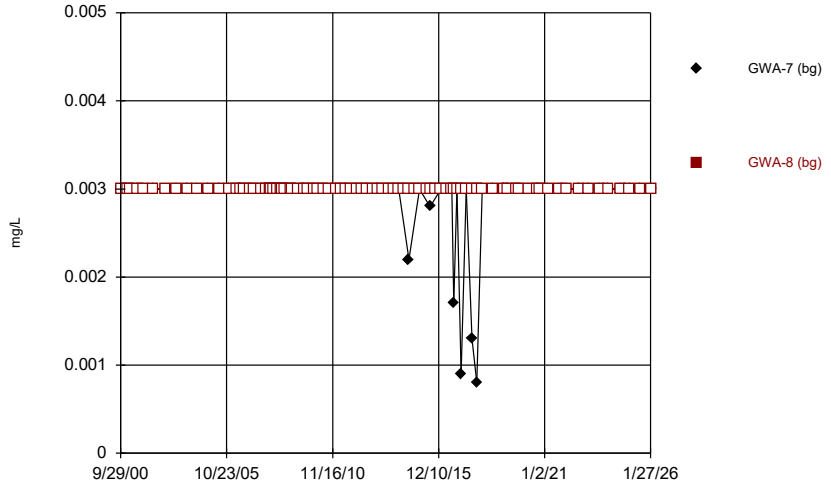
Upper Tolerance Limits

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:24 PM

Constituent	Upper Lim.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.003	151	n/a	n/a	96.03	n/a	n/a	0.0004328	NP Inter(NDs)
Arsenic (mg/L)	0.0287	151	n/a	n/a	74.83	n/a	n/a	0.0004328	NP Inter(NDs)
Barium (mg/L)	0.236	149	n/a	n/a	0	n/a	n/a	0.0004795	NP Inter(normality)
Beryllium (mg/L)	0.0017	73	n/a	n/a	65.75	n/a	n/a	0.02365	NP Inter(NDs)
Cadmium (mg/L)	0.001	71	n/a	n/a	97.18	n/a	n/a	0.0262	NP Inter(NDs)
Chromium (mg/L)	0.068	150	n/a	n/a	60	n/a	n/a	0.0004556	NP Inter(NDs)
Cobalt (mg/L)	0.0102	72	n/a	n/a	51.39	n/a	n/a	0.02489	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	10.87	45	1.528	0.3283	0	None	x^(1/3)	0.05	Inter
Fluoride (mg/L)	0.49	52	n/a	n/a	19.23	n/a	n/a	0.06944	NP Inter(normality)
Lead (mg/L)	0.013	147	n/a	n/a	73.47	n/a	n/a	0.0005313	NP Inter(NDs)
Lithium (mg/L)	0.01	48	n/a	n/a	81.25	n/a	n/a	0.08526	NP Inter(NDs)
Mercury (mg/L)	0.0002	42	n/a	n/a	88.1	n/a	n/a	0.116	NP Inter(NDs)
Molybdenum (mg/L)	0.0098	48	n/a	n/a	77.08	n/a	n/a	0.08526	NP Inter(NDs)
Selenium (mg/L)	0.0438	151	n/a	n/a	81.46	n/a	n/a	0.0004328	NP Inter(NDs)
Thallium (mg/L)	0.002	82	n/a	n/a	95.12	n/a	n/a	0.01491	NP Inter(NDs)
Vanadium (mg/L)	0.24	139	n/a	n/a	58.99	n/a	n/a	0.0008009	NP Inter(NDs)
Zinc (mg/L)	0.16	143	n/a	n/a	27.97	n/a	n/a	0.0006523	NP Inter(normality)

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Hollow symbols indicate censored values.

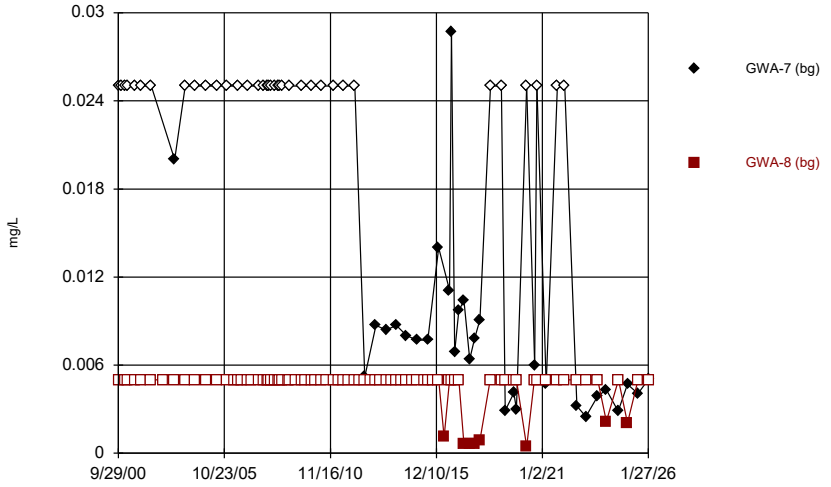
Time Series



Constituent: Antimony Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

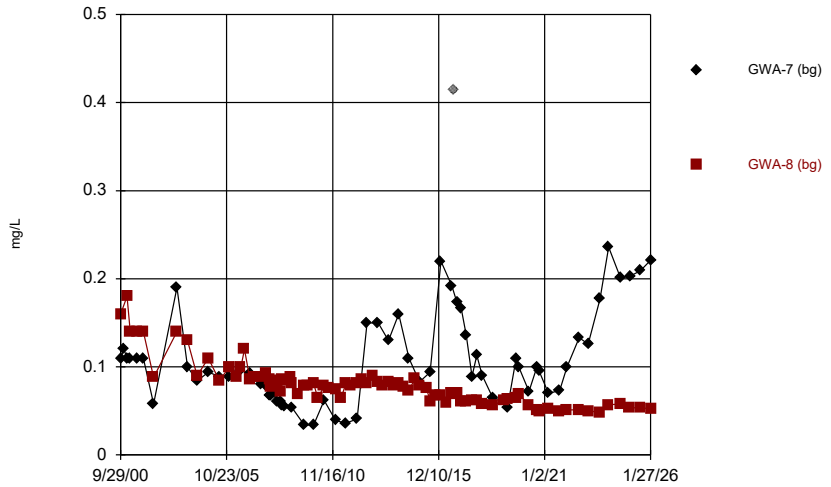
Time Series



Constituent: Arsenic Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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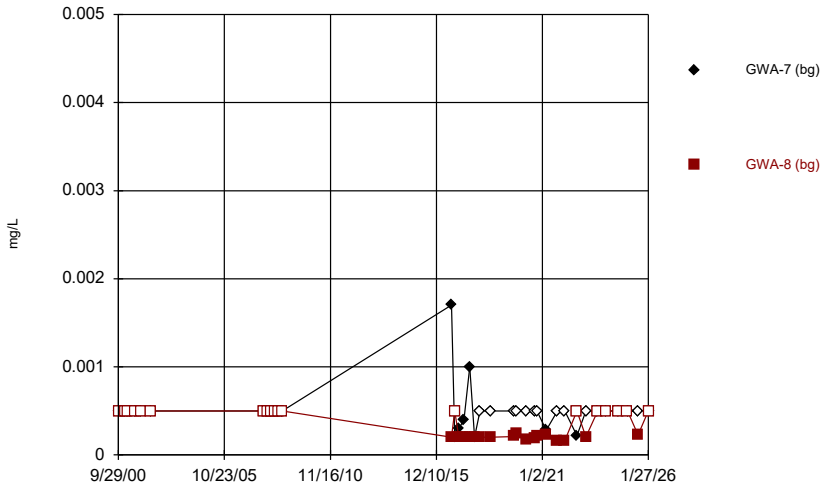
Time Series



Constituent: Barium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

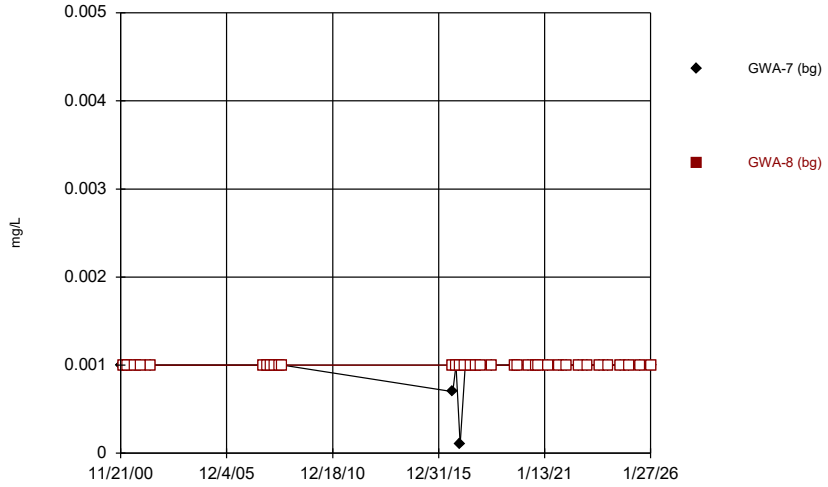
Time Series



Constituent: Beryllium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

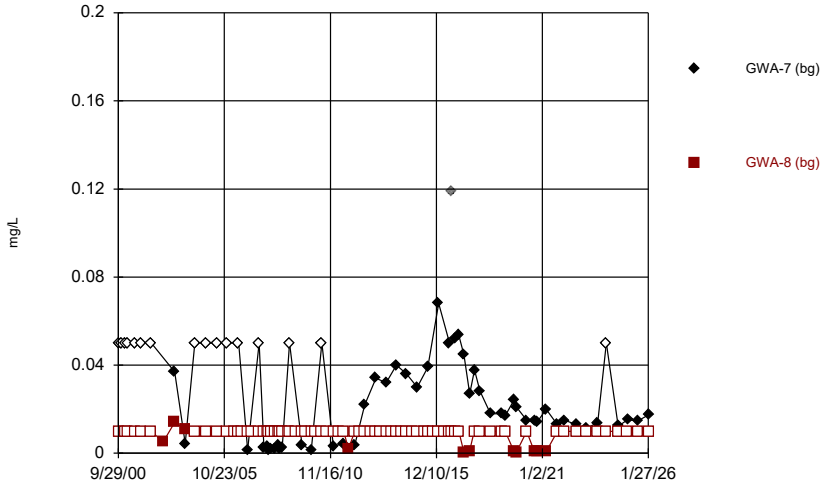
Time Series



Constituent: Cadmium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

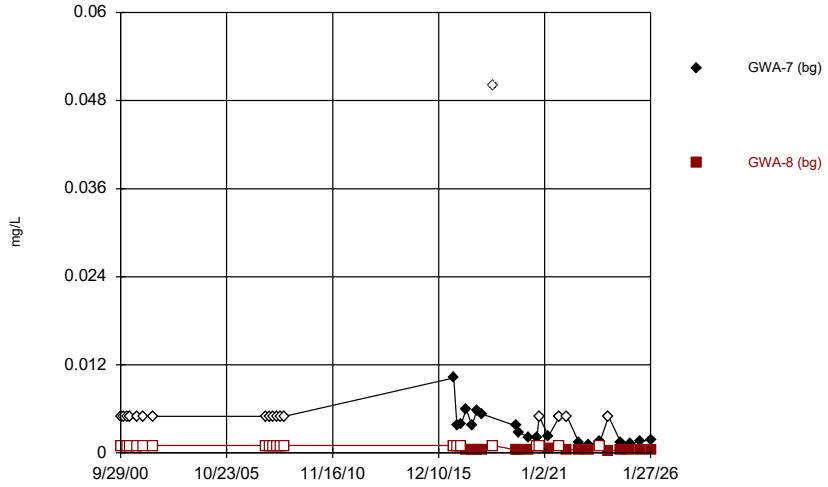
Time Series



Constituent: Chromium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

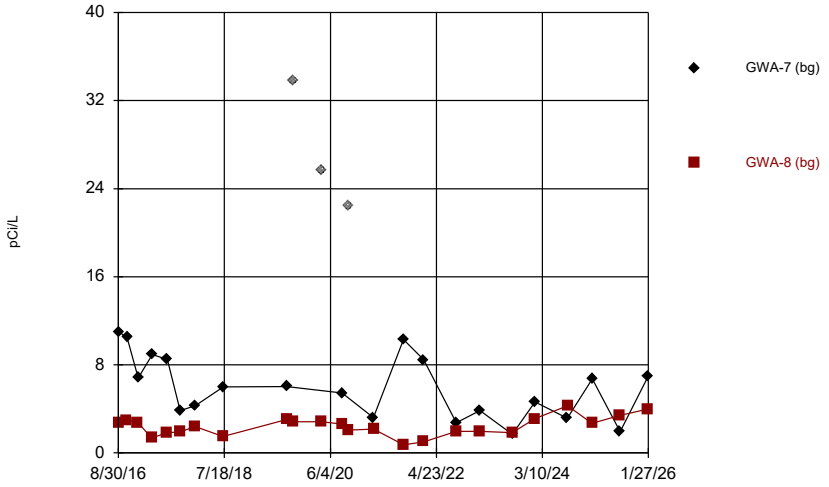
Time Series



Constituent: Cobalt Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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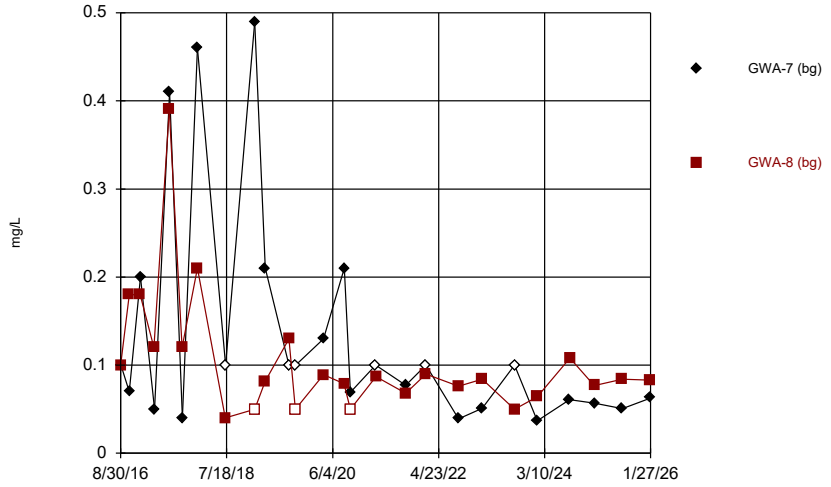
Time Series



Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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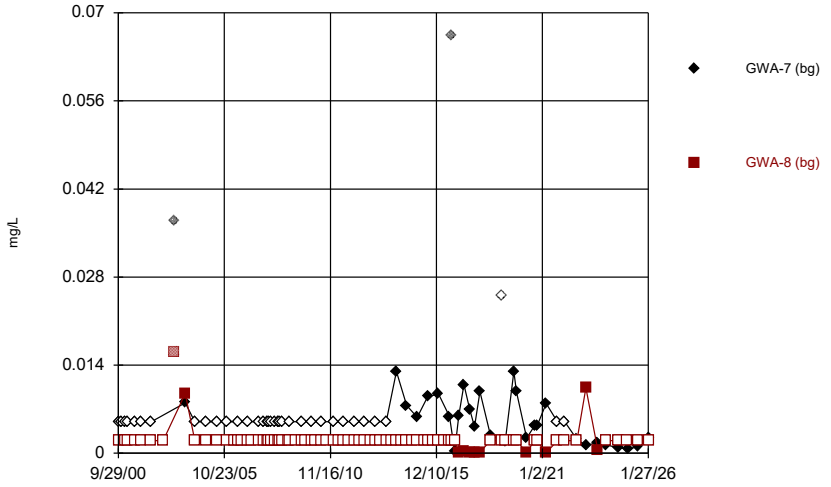
Time Series



Constituent: Fluoride Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

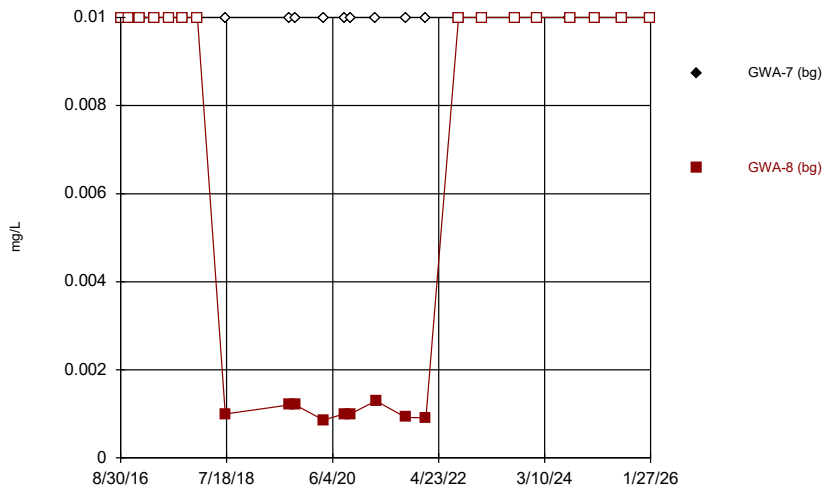
Time Series



Constituent: Lead Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

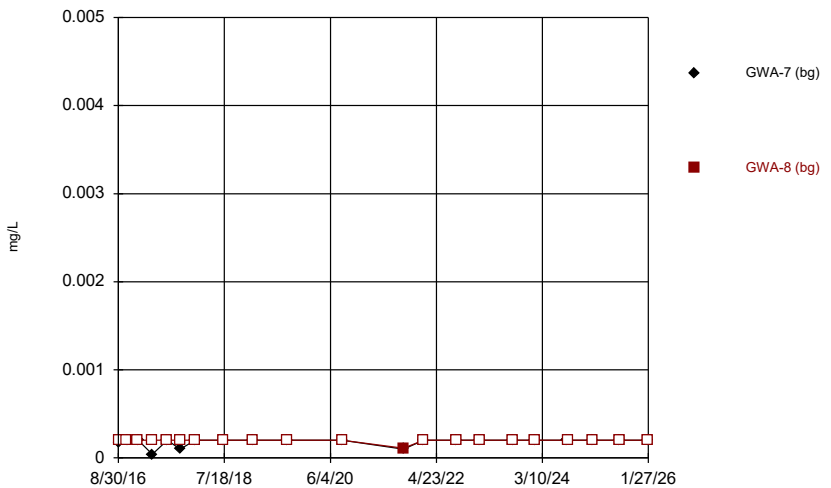
Time Series



Constituent: Lithium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

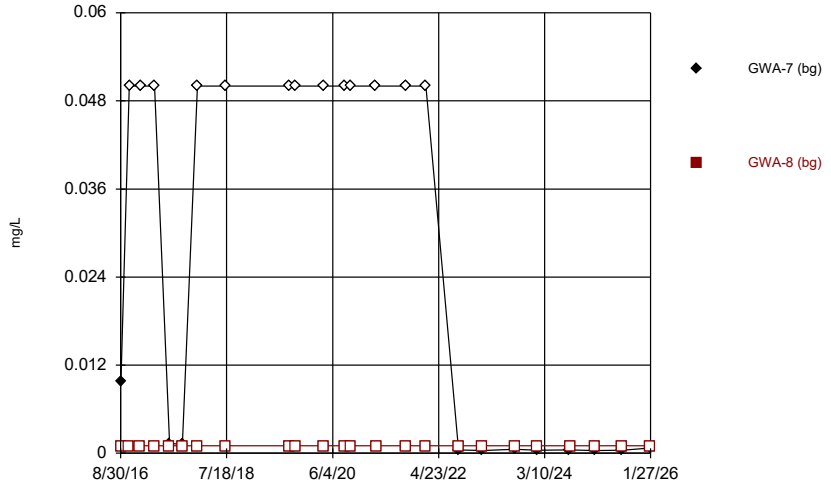
Time Series



Constituent: Mercury Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

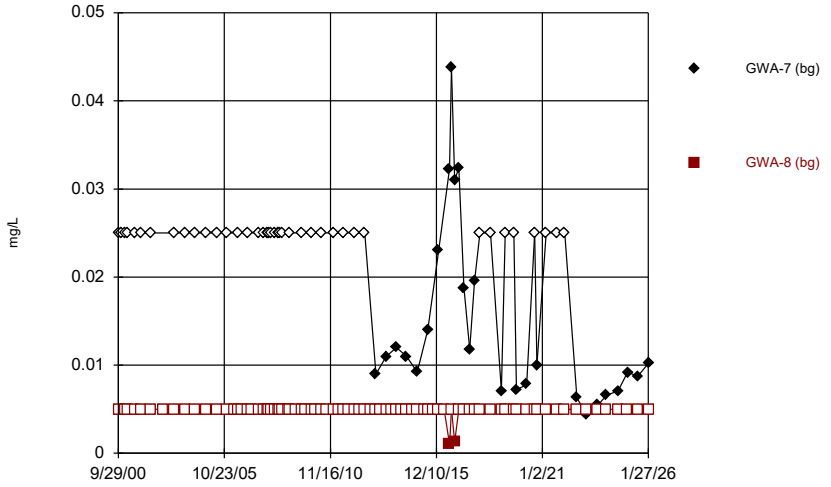
Time Series



Constituent: Molybdenum Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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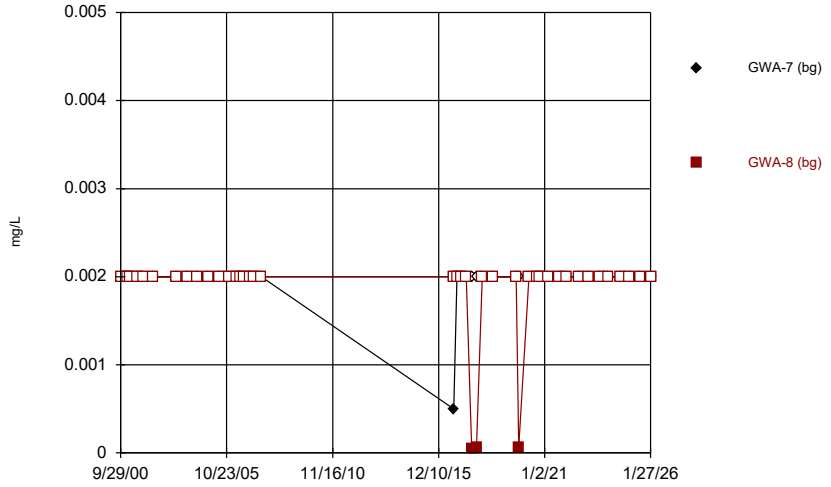
Time Series



Constituent: Selenium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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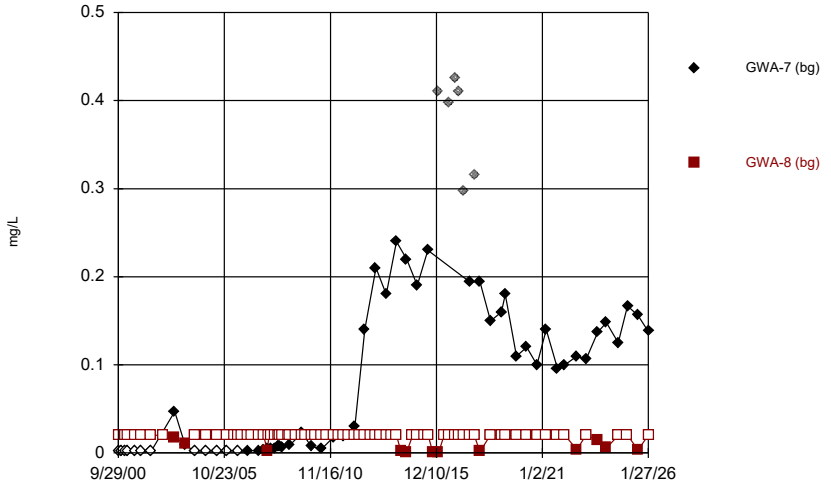
Time Series



Constituent: Thallium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

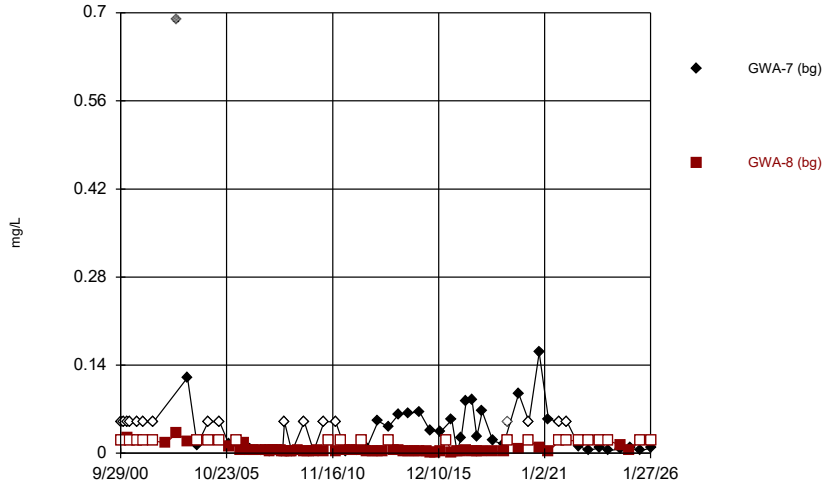
Time Series



Constituent: Vanadium Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Time Series

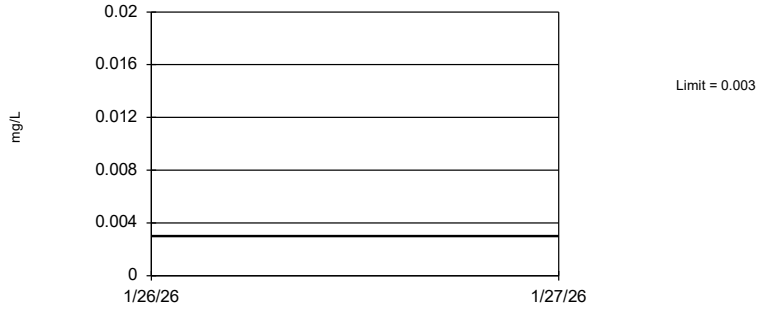


Constituent: Zinc Analysis Run 3/30/2026 3:19 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 151 background values. 96.03% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004328.

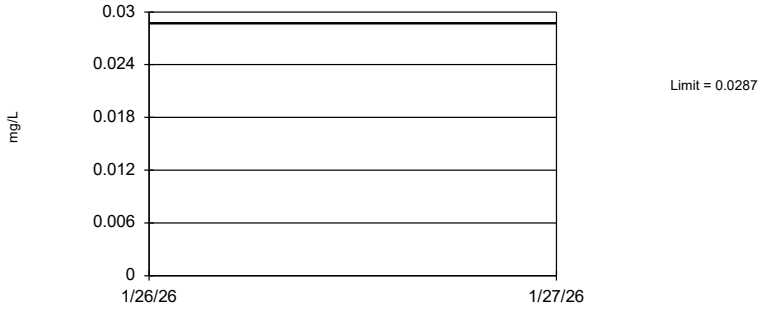
Constituent: Antimony Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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 151 background values. 74.83% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004328.

Constituent: Arsenic Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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 149 background values. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004795.

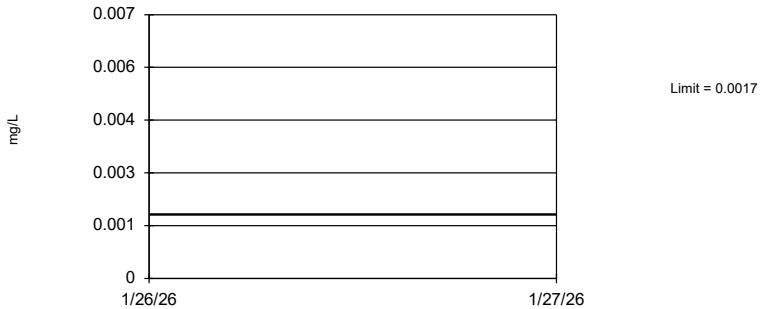
Constituent: Barium Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 73 background values. 65.75% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02365.

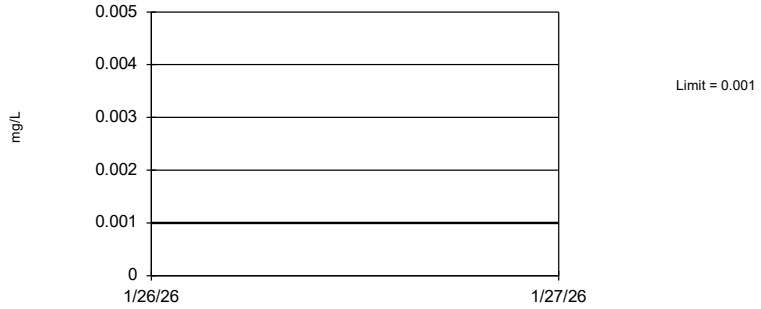
Constituent: Beryllium Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



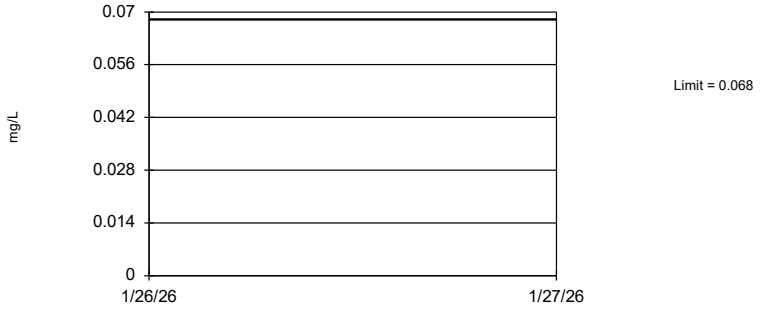
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 71 background values. 97.18% NDs. 93.55% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.0262.

Constituent: Cadmium Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



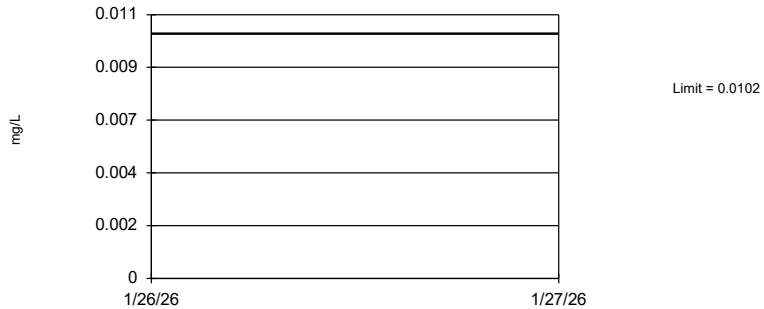
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 150 background values. 60% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004556.

Constituent: Chromium Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



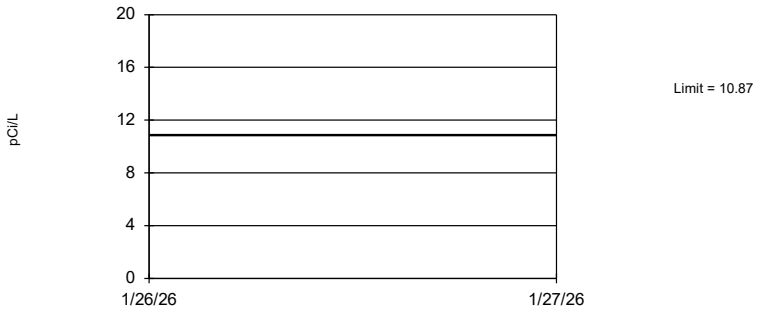
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 72 background values. 51.39% NDs. 93.95% coverage at alpha=0.01; 95.9% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.02489.

Constituent: Cobalt Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Parametric



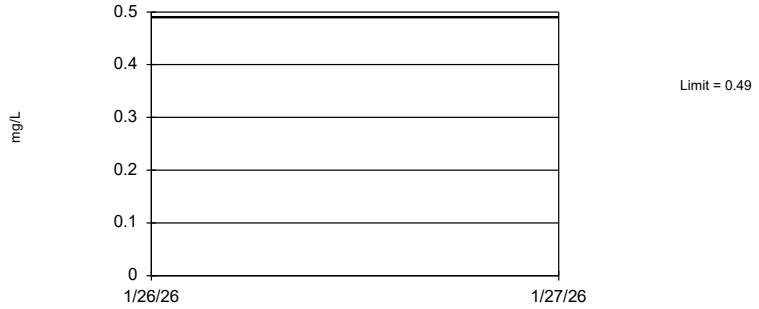
95% coverage. Background Data Summary (based on cube root transformation): Mean=1.528, Std. Dev.=0.3283, n=45. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9445, critical = 0.926. Report alpha = 0.05.

Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 52 background values. 19.23% NDs. 91.6% coverage at alpha=0.01; 94.34% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.06944.

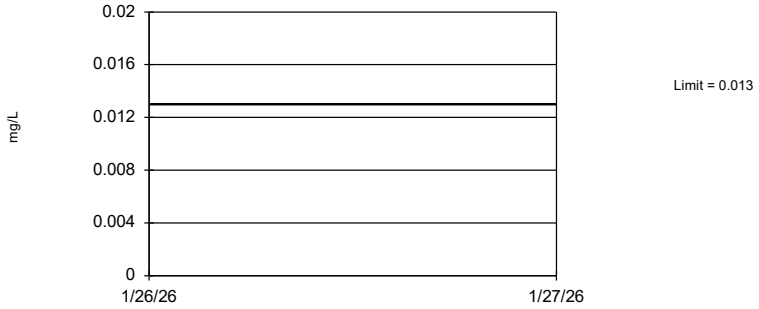
Constituent: Fluoride Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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 147 background values. 73.47% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0005313.

Constituent: Lead Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 48 background values. 81.25% NDs. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08526.

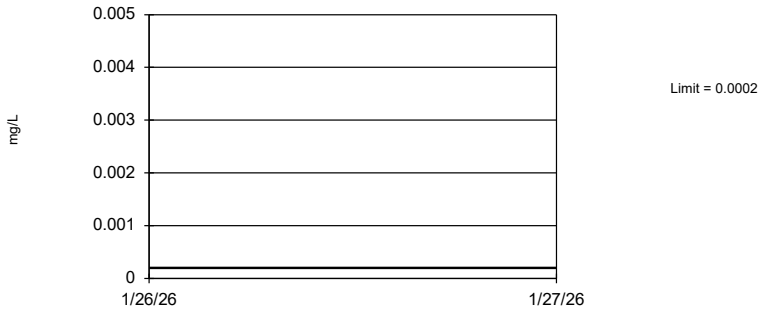
Constituent: Lithium Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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 42 background values. 88.1% NDs. 89.65% coverage at alpha=0.01; 93.16% coverage at alpha=0.05; 98.24% coverage at alpha=0.5. Report alpha = 0.116.

Constituent: Mercury Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Tolerance Limit

Interwell Non-parametric



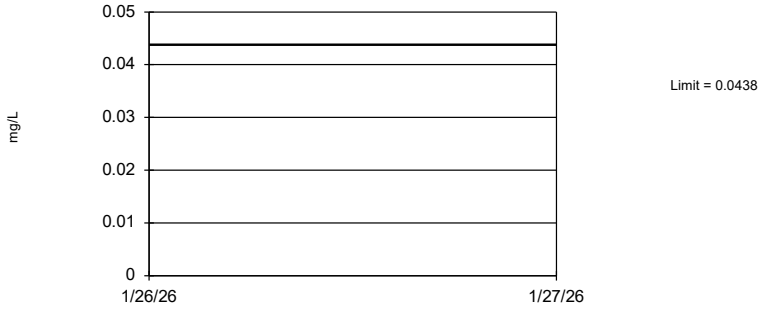
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 48 background values. 77.08% NDs. 90.82% coverage at alpha=0.01; 93.95% coverage at alpha=0.05; 98.63% coverage at alpha=0.5. Report alpha = 0.08526.

Constituent: Molybdenum Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



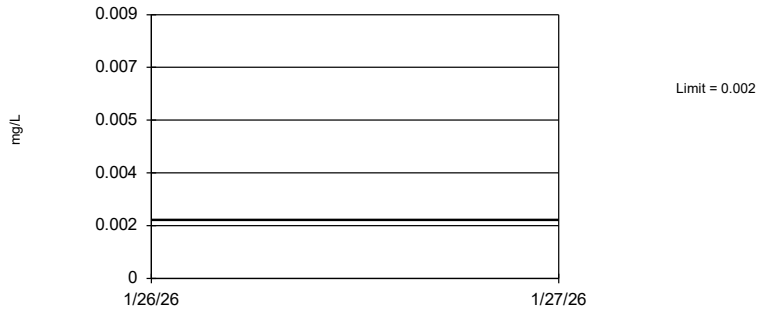
Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 151 background values. 81.46% NDs. 97.07% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0004328.

Constituent: Selenium Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Tolerance Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric tolerance limit because censored data exceeded 50%. Limit is highest of 82 background values. 95.12% NDs. 94.73% coverage at alpha=0.01; 96.29% coverage at alpha=0.05; 99.02% coverage at alpha=0.5. Report alpha = 0.01491.

Constituent: Thallium Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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 139 background values. 58.99% NDs. 96.68% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0008009.

Constituent: Vanadium Analysis Run 3/30/2026 3:23 PM View: UTLs
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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 143 background values. 27.97% NDs. 96.68% coverage at alpha=0.01; 97.85% coverage at alpha=0.05; 99.41% coverage at alpha=0.5. Report alpha = 0.0006523.

Constituent: Zinc Analysis Run 3/30/2026 3:23 PM View: UTLs

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE I.

GRUMMAN ROAD LANDFILL 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		0.029	0.029
Barium, Total (mg/L)	2		0.24	2
Beryllium, Total (mg/L)	0.004		0.0017	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.068	0.1
Cobalt, Total (mg/L)	n/a	0.006	0.010	0.010
Combined Radium, Total (pCi/L)	5		10.87	10.87
Fluoride, Total (mg/L)	4		0.49	4
Lead, Total (mg/L)	n/a	0.015	0.013	0.015
Lithium, Total (mg/L)	n/a	0.04	0.01	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)	n/a	0.1	0.0098	0.1
Selenium, Total (mg/L)	0.05		0.044	0.05
Thallium, Total (mg/L)	0.002		0.002	0.002
Vanadium, Total (mg/L)	n/a		0.24	0.24
Zinc, Total (mg/L)	n/a		0.16	0.16

**Highlighted cells indicated Background is higher than MCLs*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

**GWPS = Groundwater Protection Standard*

FIGURE J.

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests - All/Significant

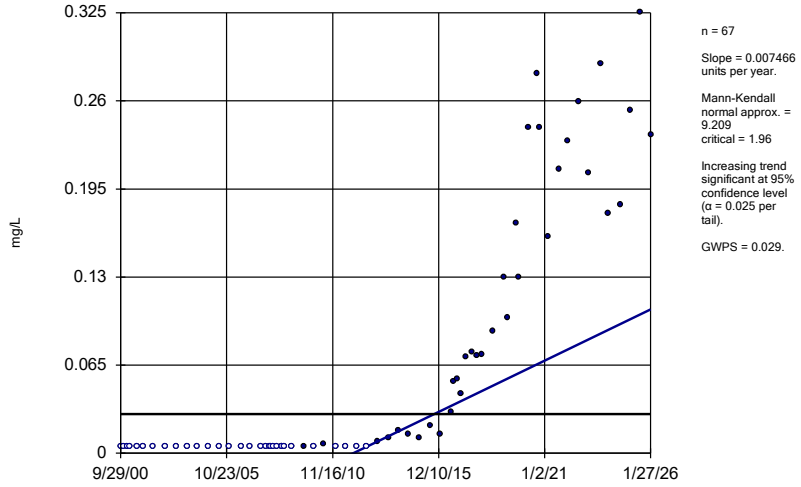
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:46 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.007466**	**9.209**	**1.96**	**Yes**	**67**	**46.27**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0**	**199**	**151**	**Yes**	**37**	**70.27**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01309**	**126**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-15



n = 67

Slope = 0.007466 units per year.

Mann-Kendall normal approx. = 9.209
critical = 1.96

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

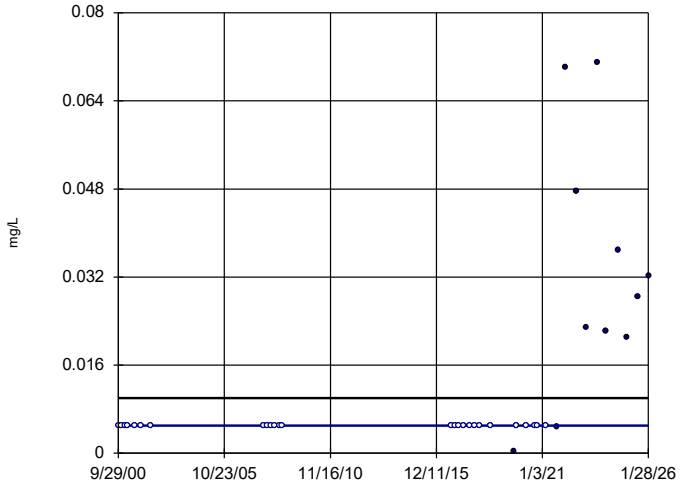
GWPS = 0.029.

Constituent: Arsenic Analysis Run 3/30/2026 3:45 PM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWB-6R



n = 37

Slope = 0 units per year.

Mann-Kendall statistic = 199
critical = 151

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

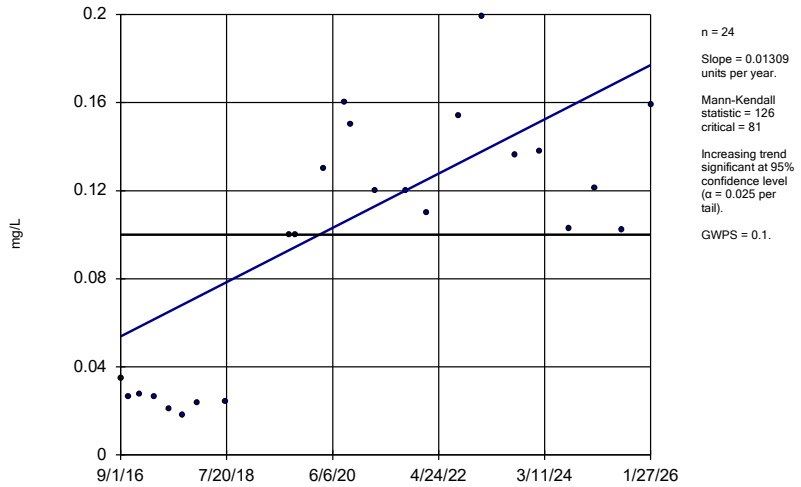
GWPS = 0.01.

Constituent: Cobalt Analysis Run 3/30/2026 3:45 PM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-4R



n = 24

Slope = 0.01309 units per year.

Mann-Kendall statistic = 126
critical = 81

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

GWPS = 0.1.

Constituent: Molybdenum Analysis Run 3/30/2026 3:45 PM View: Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Arsenic GWC-15, Cobalt GWB-6R, & Molybdenum GWB-4R Trend Tests - Truncated All Results (No Significant)

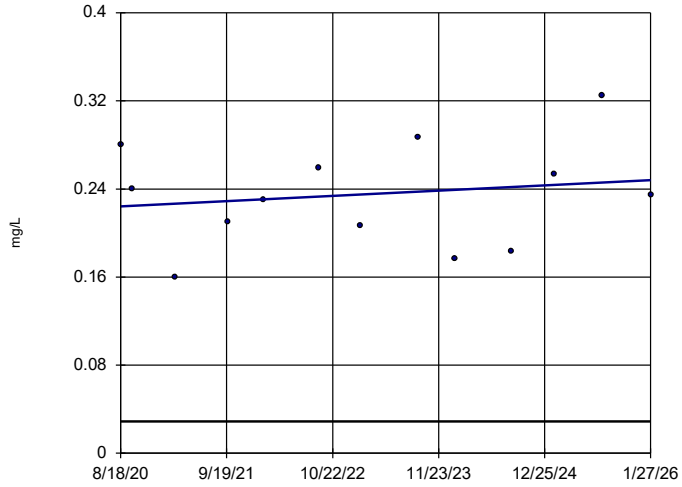
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:47 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	GWC-15	0.004375	6	34	No	13	0	n/a	0.05	NP
Cobalt (mg/L)	GWB-6R	-0.00601	-12	-20	No	9	0	n/a	0.05	NP
Molybdenum (mg/L)	GWB-4R	-0.004388	-15	-34	No	13	0	n/a	0.05	NP

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Sen's Slope Estimator

GWC-15



n = 13

Slope = 0.004375 units per year.

Mann-Kendall statistic = 6 critical = 34

Trend not significant at 95% confidence level (α = 0.025 per tail).

GWPS = 0.029.

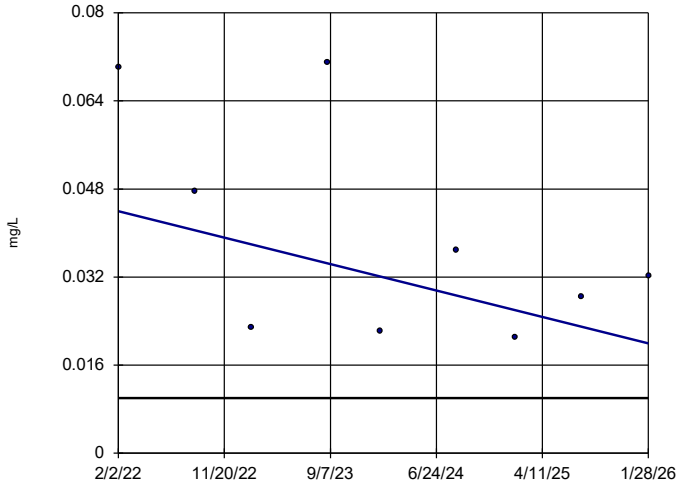
Constituent: Arsenic Analysis Run 3/30/2026 3:46 PM View: Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWB-6R



n = 9

Slope = -0.00601 units per year.

Mann-Kendall statistic = -12 critical = -20

Trend not significant at 95% confidence level (α = 0.025 per tail).

GWPS = 0.01.

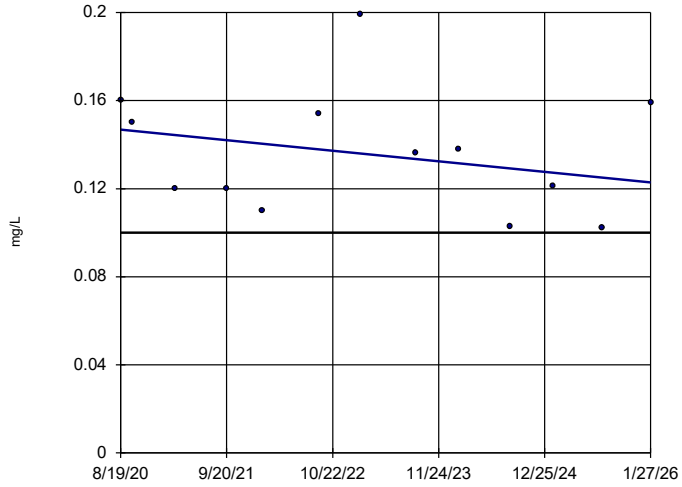
Constituent: Cobalt Analysis Run 3/30/2026 3:46 PM View: Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWB-4R



n = 13

Slope = -0.004388 units per year.

Mann-Kendall statistic = -15 critical = -34

Trend not significant at 95% confidence level (α = 0.025 per tail).

GWPS = 0.1.

Constituent: Molybdenum Analysis Run 3/30/2026 3:46 PM View: Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

FIGURE K.

Appendix II & IV Confidence Intervals - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	**GWC-15**	**0.2695**	**0.1991**	**0.029**	**Yes**	**13**	**0.2343**	**0.04732**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.1076**	**0.07304**	**0.029**	**Yes**	**29**	**0.0903**	**0.03766**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-20**	**0.3632**	**0.2781**	**0.029**	**Yes**	**28**	**0.3206**	**0.091**	**0**	**None**	**No**	**0.01**	**Param.**
Cobalt (mg/L)	**GWB-6R**	**0.0568**	**0.02159**	**0.01**	**Yes**	**9**	**0.0391**	**0.01963**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWB-4R**	**0.157**	**0.1157**	**0.1**	**Yes**	**13**	**0.1363**	**0.02777**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-16**	**0.1798**	**0.1157**	**0.1**	**Yes**	**24**	**0.1477**	**0.06277**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	**GWC-20**	**0.4872**	**0.2212**	**0.1**	**Yes**	**24**	**0.3542**	**0.2607**	**0**	**None**	**No**	**0.01**	**Param.**

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWB-4R	0.003	0.0003	0.006	No	28	0.002904	0.0005103	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-5R	0.003	0.0013	0.006	No	28	0.002755	0.0007341	89.29	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWB-6R	0.003	0.00059	0.006	No	28	0.002817	0.0006726	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-1	0.003	0.0016	0.006	No	28	0.002688	0.0008004	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-2	0.003	0.0016	0.006	No	28	0.002889	0.0004086	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-9	0.003	0.0016	0.006	No	28	0.002855	0.000561	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-11	0.003	0.0007	0.006	No	28	0.002145	0.001172	64.29	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-12	0.003	0.0003	0.006	No	28	0.002904	0.0005103	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-13	0.003	0.0006	0.006	No	28	0.002914	0.0004536	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-15	0.003	0.0018	0.006	No	28	0.002957	0.0002268	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-17	0.003	0.00286	0.006	No	28	0.002759	0.0006523	82.14	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-20	0.003	0.0019	0.006	No	28	0.002877	0.0004833	92.86	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-21	0.003	0.00033	0.006	No	28	0.002905	0.0005046	96.43	None	No	0.01	NP (NDs)
Antimony (mg/L)	GWC-22	0.003	0.0022	0.006	No	28	0.002648	0.000832	82.14	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWB-4R	0.003982	0.002367	0.029	No	28	0.003353	0.001923	7.143	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	GWB-5R	0.0053	0.0014	0.029	No	28	0.007053	0.009636	21.43	None	No	0.01	NP (normality)
Arsenic (mg/L)	GWB-6R	0.004211	0.002064	0.029	No	28	0.007681	0.008502	17.86	Kaplan-Meier	ln(x)	0.01	Param.
Arsenic (mg/L)	GWC-1	0.00722	0.003337	0.029	No	28	0.006233	0.006089	0	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	GWC-2	0.025	0.00094	0.029	No	28	0.02239	0.007672	89.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-9	0.025	0.00084	0.029	No	28	0.02414	0.004566	96.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-11	0.005	0.00254	0.029	No	28	0.00482	0.0006625	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-12	0.005	0.0016	0.029	No	28	0.004425	0.001442	85.71	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-13	0.005	0.0025	0.029	No	28	0.004596	0.001226	89.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	GWC-14	0.0036	0.0019	0.029	No	29	0.002832	0.001329	24.14	None	No	0.01	NP (normality)
Arsenic (mg/L)	**GWC-15**	**0.2695**	**0.1991**	**0.029**	**Yes**	**13**	**0.2343**	**0.04732**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	**GWC-16**	**0.1076**	**0.07304**	**0.029**	**Yes**	**29**	**0.0903**	**0.03766**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-17	0.005	0.0013	0.029	No	28	0.003314	0.00188	53.57	None	No	0.01	NP (NDs)
Arsenic (mg/L)	**GWC-20**	**0.3632**	**0.2781**	**0.029**	**Yes**	**28**	**0.3206**	**0.091**	**0**	**None**	**No**	**0.01**	**Param.**
Arsenic (mg/L)	GWC-21	0.02	0.0039	0.029	No	28	0.01211	0.0125	25	None	No	0.01	NP (normality)
Arsenic (mg/L)	GWC-22	0.005	0.002	0.029	No	28	0.003669	0.001872	64.29	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-25D	0.005	0.00092	0.029	No	12	0.00466	0.001178	91.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-26D	0.005	0.001	0.029	No	8	0.004062	0.001741	75	None	No	0.004	NP (NDs)
Barium (mg/L)	GWB-4R	0.134	0.077	2	No	28	0.1106	0.0423	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWB-5R	0.1369	0.09306	2	No	28	0.1186	0.05126	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWB-6R	0.105	0.0207	2	No	28	0.05632	0.04089	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-1	0.05621	0.05098	2	No	28	0.05359	0.005596	0	None	No	0.01	Param.
Barium (mg/L)	GWC-2	0.0529	0.049	2	No	27	0.05181	0.006587	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-9	0.2212	0.1687	2	No	28	0.198	0.05936	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-11	0.129	0.08827	2	No	28	0.1086	0.0436	0	None	No	0.01	Param.
Barium (mg/L)	GWC-12	0.02271	0.01859	2	No	28	0.02083	0.004548	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-13	0.03796	0.02502	2	No	28	0.03309	0.01556	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	GWC-14	0.0773	0.0274	2	No	29	0.0511	0.02944	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-15	0.0537	0.04369	2	No	28	0.0487	0.01071	0	None	No	0.01	Param.
Barium (mg/L)	GWC-16	0.1539	0.09424	2	No	29	0.1241	0.06513	0	None	No	0.01	Param.
Barium (mg/L)	GWC-17	0.0686	0.0311	2	No	28	0.06662	0.05213	0	None	No	0.01	NP (normality)
Barium (mg/L)	GWC-20	0.2243	0.1273	2	No	28	0.1875	0.1105	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	GWC-21	0.1499	0.07771	2	No	28	0.1274	0.08273	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	GWC-22	0.09309	0.05729	2	No	28	0.07888	0.04236	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-23D	0.0765	0.0554	2	No	11	0.06601	0.01014	0	None	No	0.006	NP (normality)
Barium (mg/L)	MW-24D	0.038	0.0267	2	No	11	0.03142	0.006655	0	None	No	0.006	NP (normality)
Barium (mg/L)	MW-25D	0.02755	0.02336	2	No	11	0.02545	0.002518	0	None	No	0.01	Param.
Barium (mg/L)	MW-26D	0.03379	0.02578	2	No	8	0.02979	0.003779	0	None	No	0.01	Param.
Beryllium (mg/L)	GWB-4R	0.0005	0.0004	0.004	No	24	0.0004125	0.000165	75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWB-5R	0.0005	0.00014	0.004	No	24	0.0003184	0.0001819	45.83	None	No	0.01	NP (normality)
Beryllium (mg/L)	GWB-6R	0.0005	0.00005	0.004	No	24	0.0004623	0.0001276	91.67	None	No	0.01	NP (NDs)

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-2	0.0005	0.0003	0.004	No	25	0.0004071	0.000174	76	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-9	0.0002609	0.0002154	0.004	No	24	0.0002381	0.00004454	12.5	None	No	0.01	Param.
Beryllium (mg/L)	GWC-11	0.0005	0.000047	0.004	No	24	0.0004811	0.00009247	95.83	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-12	0.0006986	0.0005143	0.004	No	24	0.0006159	0.0001946	0	None	sqrt(x)	0.01	Param.
Beryllium (mg/L)	GWC-13	0.0005	0.000058	0.004	No	25	0.0004823	0.0000884	96	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-14	0.0005	0.0001	0.004	No	24	0.000448	0.0001407	87.5	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-16	0.0005	0.00009	0.004	No	24	0.0003265	0.00021	58.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	GWC-17	0.002368	0.001677	0.004	No	24	0.002078	0.0007551	0	None	x^(1/3)	0.01	Param.
Beryllium (mg/L)	GWC-22	0.0005	0.0002	0.004	No	24	0.000389	0.000179	70.83	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-25D	0.0005	0.0005	0.004	No	11	0.0004622	0.0001254	90.91	None	No	0.006	NP (NDs)
Beryllium (mg/L)	MW-26D	0.0005	0.000073	0.004	No	8	0.0003451	0.0002139	62.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	GWB-4R	0.001	0.000304	0.005	No	24	0.0008285	0.0003436	79.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-1	0.001	0.0001	0.005	No	25	0.0009268	0.0002534	92	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-11	0.0005613	0.0003393	0.005	No	24	0.0004503	0.0002175	8.333	None	No	0.01	Param.
Cadmium (mg/L)	GWC-14	0.001	0.0002	0.005	No	24	0.0007579	0.000386	70.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-20	0.001	0.000823	0.005	No	24	0.0008748	0.0002828	79.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	GWC-22	0.001	0.00023	0.005	No	24	0.0006688	0.000409	58.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-23D	0.001	0.001	0.005	No	11	0.0009336	0.0002201	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-25D	0.001	0.001	0.005	No	11	0.0009264	0.0002442	90.91	None	No	0.006	NP (NDs)
Cadmium (mg/L)	MW-26D	0.001	0.00029	0.005	No	8	0.0008633	0.0002678	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	GWB-4R	0.007114	0.003792	0.1	No	28	0.005895	0.003866	3.571	None	sqrt(x)	0.01	Param.
Chromium (mg/L)	GWB-5R	0.01	0.0014	0.1	No	28	0.008488	0.01319	35.71	None	No	0.01	NP (normality)
Chromium (mg/L)	GWB-6R	0.005684	0.002714	0.1	No	28	0.004885	0.004347	0	None	x^(1/3)	0.01	Param.
Chromium (mg/L)	GWC-1	0.0062	0.0019	0.1	No	28	0.004217	0.003515	25	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-2	0.01	0.0011	0.1	No	28	0.007362	0.004249	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-9	0.01	0.0012	0.1	No	28	0.005953	0.004436	53.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-11	0.01	0.001	0.1	No	28	0.00611	0.004564	53.57	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-12	0.01	0.0011	0.1	No	28	0.004987	0.004436	42.86	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-13	0.01	0.0011	0.1	No	28	0.007081	0.004325	67.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-14	0.01	0.001	0.1	No	29	0.00623	0.00457	58.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-15	0.01	0.0015	0.1	No	28	0.005757	0.004337	50	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-16	0.01	0.0011	0.1	No	29	0.006299	0.004487	55.17	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-17	0.01	0.0011	0.1	No	28	0.005696	0.004461	50	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-20	0.01	0.0011	0.1	No	28	0.005754	0.004408	50	None	No	0.01	NP (normality)
Chromium (mg/L)	GWC-21	0.01	0.0008	0.1	No	28	0.006687	0.004528	60.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	GWC-22	0.01	0.0007	0.1	No	28	0.006978	0.004472	67.86	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-24D	0.01	0.01	0.1	No	11	0.009154	0.002807	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-25D	0.01	0.01	0.1	No	11	0.009236	0.002533	90.91	None	No	0.006	NP (NDs)
Chromium (mg/L)	MW-26D	0.01	0.002	0.1	No	8	0.009	0.002828	87.5	None	No	0.004	NP (NDs)
Cobalt (mg/L)	GWB-4R	0.0027	0.0009	0.01	No	24	0.003588	0.004335	8.333	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWB-5R	0.003306	0.001085	0.01	No	25	0.005882	0.008728	28	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	**GWB-6R**	**0.0568**	**0.02159**	**0.01**	**Yes**	**9**	**0.0391**	**0.01963**	**0**	**None**	**sqrt(x)**	**0.01**	**Param.**
Cobalt (mg/L)	GWC-2	0.001	0.00036	0.01	No	25	0.0008952	0.0002572	80	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-9	0.0016	0.000944	0.01	No	24	0.001206	0.0003856	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	GWC-11	0.001	0.00055	0.01	No	24	0.000838	0.0002466	54.17	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-12	0.001061	0.0007429	0.01	No	24	0.0009207	0.0003373	0	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	GWC-14	0.001	0.0003	0.01	No	24	0.0009708	0.0001429	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	GWC-17	0.004385	0.002754	0.01	No	24	0.003858	0.001888	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	GWC-22	0.001	0.000817	0.01	No	24	0.0009086	0.0001776	62.5	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	GWB-4R	5.042	3.351	10.87	No	24	4.197	1.657	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-5R	4.081	2.623	10.87	No	24	3.352	1.428	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWB-6R	6.073	3.71	10.87	No	24	4.891	2.315	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-1	2.269	1.542	10.87	No	24	1.906	0.7122	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-2	1.429	0.7872	10.87	No	24	1.172	0.6739	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-9	3.331	2.081	10.87	No	24	2.804	1.42	0	None	sqrt(x)	0.01	Param.

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 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)	GWC-11	6.684	4.003	10.87	No	24	5.343	2.628	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-12	2.705	1.826	10.87	No	24	2.265	0.8616	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-13	2.052	1.069	10.87	No	24	1.667	1.137	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-14	1.304	0.7612	10.87	No	24	1.032	0.5315	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-15	2.206	1.305	10.87	No	24	1.756	0.8829	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-16	3.492	2.19	10.87	No	24	2.841	1.276	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-17	3.461	2.348	10.87	No	24	2.904	1.09	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-20	4.642	2.729	10.87	No	24	3.685	1.875	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-21	3.744	1.892	10.87	No	24	2.818	1.815	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	GWC-22	6.977	4.054	10.87	No	24	5.516	2.864	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-23D	2.56	1.034	10.87	No	11	1.797	0.9158	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-24D	2.713	0.8249	10.87	No	11	1.769	1.133	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-25D	2.857	0.5099	10.87	No	11	1.683	1.408	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-26D	2.035	0.5082	10.87	No	8	1.272	0.7204	0	None	No	0.01	Param.
Fluoride (mg/L)	GWB-4R	0.17	0.08	4	No	27	0.1448	0.2194	70.37	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-5R	0.2	0.0546	4	No	27	0.1428	0.0727	55.56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWB-6R	0.2	0.09	4	No	26	0.1565	0.06992	50	None	No	0.01	NP (normality)
Fluoride (mg/L)	GWC-1	0.18	0.0596	4	No	26	0.1019	0.03367	80.77	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-2	0.1	0.07	4	No	26	0.1091	0.1075	57.69	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-9	0.1763	0.08672	4	No	26	0.1712	0.1958	7.692	None	ln(x)	0.01	Param.
Fluoride (mg/L)	GWC-12	0.5162	0.2262	4	No	26	0.4162	0.3527	3.846	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-13	0.1	0.09	4	No	26	0.109	0.09188	76.92	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-14	0.13	0.1	4	No	26	0.1492	0.1095	76.92	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-15	0.13	0.1	4	No	26	0.1215	0.08181	80.77	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-16	0.4	0.36	4	No	26	0.3511	0.1741	65.38	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-17	0.9689	0.5216	4	No	26	0.7976	0.5	3.846	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	GWC-20	0.5	0.269	4	No	26	0.4108	0.1717	76.92	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-21	0.1	0.071	4	No	26	0.09888	0.005687	96.15	None	No	0.01	NP (NDs)
Fluoride (mg/L)	GWC-22	0.2	0.12	4	No	26	0.1623	0.06046	69.23	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-23D	0.08583	0.02535	4	No	12	0.08252	0.03003	50	Kaplan-Meier	x^2	0.01	Param.
Fluoride (mg/L)	MW-24D	0.147	0.037	4	No	12	0.08868	0.03286	66.67	Kaplan-Meier	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-25D	0.1766	0.1081	4	No	12	0.1423	0.04368	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-26D	0.1	0.0444	4	No	9	0.08764	0.02452	77.78	None	No	0.002	NP (NDs)
Lead (mg/L)	GWB-4R	0.00253	0.0006732	0.015	No	27	0.002925	0.002423	44.44	Kaplan-Meier	sqrt(x)	0.01	Param.
Lead (mg/L)	GWB-5R	0.002	0.0003	0.015	No	28	0.001363	0.000849	53.57	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWB-6R	0.002	0.0003	0.015	No	28	0.001338	0.0008577	60.71	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-1	0.002	0.00012	0.015	No	28	0.001727	0.0006804	85.71	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-2	0.002	0.0003	0.015	No	28	0.001603	0.0007753	78.57	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	GWC-9	0.002	0.00021	0.015	No	28	0.001415	0.0008729	67.86	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-11	0.002	0.00028	0.015	No	28	0.001008	0.0008778	42.86	None	No	0.01	NP (normality)
Lead (mg/L)	GWC-12	0.002	0.0001	0.015	No	28	0.001246	0.001024	53.57	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-13	0.002	0.0005	0.015	No	28	0.001271	0.0008462	53.57	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-14	0.002	0.00051	0.015	No	29	0.001751	0.0006362	86.21	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-15	0.002	0.0002	0.015	No	28	0.00134	0.0009033	64.29	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-16	0.002	0.00017	0.015	No	29	0.00123	0.0009336	58.62	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-17	0.002	0.0009	0.015	No	28	0.00149	0.0008332	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-20	0.002	0.0002	0.015	No	28	0.001665	0.0007325	82.14	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-21	0.002	0.00027	0.015	No	28	0.001465	0.0008626	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	GWC-22	0.0006174	0.000313	0.015	No	28	0.001082	0.0008295	32.14	Kaplan-Meier	ln(x)	0.01	Param.
Lead (mg/L)	MW-23D	0.002	0.002	0.015	No	11	0.001823	0.0005858	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	MW-24D	0.002	0.002	0.015	No	11	0.001827	0.0005747	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	MW-25D	0.002	0.002	0.015	No	11	0.001827	0.0005744	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	MW-26D	0.002	0.00015	0.015	No	8	0.001769	0.0006541	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Lithium (mg/L)	GWB-4R	0.01648	0.009616	0.04	No	24	0.01305	0.006722	0	None	No	0.01	Param.
Lithium (mg/L)	GWB-5R	0.01	0.005	0.04	No	24	0.008192	0.002931	70.83	None	No	0.01	NP (NDs)

Appendix II & IV Confidence Intervals - All Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lithium (mg/L)	GWC-9	0.01	0.0018	0.04	No	23	0.004722	0.003945	34.78	None	No	0.01	NP (normality)
Lithium (mg/L)	GWC-12	0.01	0.00095	0.04	No	24	0.006241	0.004544	58.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-13	0.01	0.00087	0.04	No	24	0.009235	0.002592	91.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	GWC-17	0.006399	0.005158	0.04	No	24	0.005778	0.001216	0	None	No	0.01	Param.
Mercury (mg/L)	GWB-4R	0.000287	0.0001	0.002	No	21	0.0002059	0.00007811	80.95	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-5R	0.0002	0.000135	0.002	No	22	0.0001874	0.00003344	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWB-6R	0.0002	0.0001	0.002	No	21	0.0001878	0.00003969	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-1	0.000274	0.0001	0.002	No	21	0.0001911	0.0000444	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-2	0.0002	0.0001	0.002	No	22	0.0001955	0.00002132	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-9	0.0002	0.00011	0.002	No	21	0.0001836	0.0000424	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-11	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-12	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-13	0.0002	0.00013	0.002	No	21	0.0001919	0.000026	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-14	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-15	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-16	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-17	0.000349	0.000172	0.002	No	21	0.0002015	0.00003939	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-20	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-21	0.0002	0.00011	0.002	No	21	0.0001957	0.00001964	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	GWC-22	0.0002	0.0001	0.002	No	21	0.0001952	0.00002182	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-23D	0.0002	0.0002	0.002	No	10	0.000191	0.00002846	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-24D	0.0002	0.0002	0.002	No	10	0.0001922	0.00003313	80	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-25D	0.0002	0.0002	0.002	No	10	0.0002033	0.00005536	80	None	No	0.011	NP (NDs)
Mercury (mg/L)	MW-26D	0.0002	0.0001	0.002	No	7	0.0001857	0.0000378	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	**GWB-4R**	**0.157**	**0.1157**	**0.1**	**Yes**	**13**	**0.1363**	**0.02777**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWB-5R	0.0012	0.00069	0.1	No	24	0.0009613	0.0003132	75	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWB-6R	0.01	0.000615	0.1	No	24	0.005043	0.004678	45.83	None	No	0.01	NP (normality)
Molybdenum (mg/L)	GWC-1	0.1046	0.04852	0.1	No	25	0.0842	0.06309	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	GWC-2	0.001	0.000312	0.1	No	25	0.0009725	0.0001376	96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-11	0.01	0.000613	0.1	No	24	0.006131	0.004683	58.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-12	0.001	0.000205	0.1	No	24	0.0009669	0.0001623	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-13	0.0056	0.001	0.1	No	24	0.001192	0.000939	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	GWC-14	0.0165	0.007678	0.1	No	24	0.01209	0.008645	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-15	0.1001	0.0771	0.1	No	24	0.08861	0.02255	0	None	No	0.01	Param.
Molybdenum (mg/L)	**GWC-16**	**0.1798**	**0.1157**	**0.1**	**Yes**	**24**	**0.1477**	**0.06277**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-17	0.01	0.00353	0.1	No	24	0.005732	0.003203	33.33	None	No	0.01	NP (normality)
Molybdenum (mg/L)	**GWC-20**	**0.4872**	**0.2212**	**0.1**	**Yes**	**24**	**0.3542**	**0.2607**	**0**	**None**	**No**	**0.01**	**Param.**
Molybdenum (mg/L)	GWC-21	0.05518	0.0271	0.1	No	24	0.04114	0.02752	0	None	No	0.01	Param.
Molybdenum (mg/L)	GWC-22	0.00364	0.000334	0.1	No	24	0.001054	0.0005825	87.5	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-23D	0.001	0.000408	0.1	No	12	0.0009507	0.0001709	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-24D	0.002174	0.0008116	0.1	No	12	0.001533	0.0009818	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	MW-25D	0.0011	0.000257	0.1	No	12	0.0009107	0.0003519	58.33	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-26D	0.001	0.000204	0.1	No	9	0.0009116	0.0002653	88.89	None	No	0.002	NP (NDs)
Selenium (mg/L)	GWB-4R	0.003943	0.002907	0.05	No	28	0.004039	0.001204	32.14	Kaplan-Meier	No	0.01	Param.
Selenium (mg/L)	GWB-5R	0.025	0.0073	0.05	No	28	0.01972	0.009364	75	Kaplan-Meier	No	0.01	NP (NDs)
Selenium (mg/L)	GWB-6R	0.01	0.00223	0.05	No	28	0.005802	0.003846	42.86	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-1	0.0024	0.0018	0.05	No	28	0.003076	0.004036	7.143	None	No	0.01	NP (normality)
Selenium (mg/L)	GWC-2	0.025	0.0035	0.05	No	28	0.02341	0.005839	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-11	0.006359	0.003415	0.05	No	28	0.005999	0.005416	14.29	None	ln(x)	0.01	Param.
Selenium (mg/L)	GWC-12	0.005	0.003	0.05	No	28	0.004621	0.0009593	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-14	0.004214	0.003143	0.05	No	29	0.003678	0.001169	3.448	None	No	0.01	Param.
Selenium (mg/L)	GWC-15	0.004457	0.002405	0.05	No	28	0.004885	0.002581	46.43	Kaplan-Meier	sqrt(x)	0.01	Param.
Selenium (mg/L)	GWC-16	0.004675	0.003095	0.05	No	29	0.003885	0.001725	13.79	None	No	0.01	Param.
Selenium (mg/L)	GWC-17	0.005	0.0018	0.05	No	28	0.003842	0.001666	64.29	None	No	0.01	NP (NDs)
Selenium (mg/L)	GWC-20	0.005	0.0024	0.05	No	28	0.004031	0.001541	67.86	None	No	0.01	NP (NDs)

Appendix II & IV Confidence Intervals - All Results

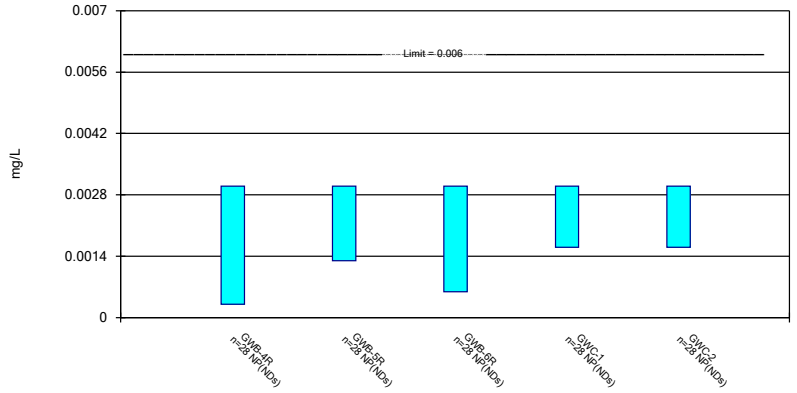
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:34 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-21	0.01533	0.008143	0.05	No	28	0.0127	0.00836	0	None	sqrt(x)	0.01	Param.
Selenium (mg/L)	GWC-22	0.005	0.0023	0.05	No	28	0.004532	0.001186	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-4R	0.002	0.00007	0.002	No	24	0.001839	0.0005449	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWB-5R	0.002	0.00031	0.002	No	24	0.001849	0.0005142	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-1	0.002	0.000054	0.002	No	25	0.001766	0.0006459	88	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-2	0.002	0.00011	0.002	No	25	0.001924	0.000378	96	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-11	0.002	0.00019	0.002	No	24	0.00138	0.0008965	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-12	0.002	0.0002	0.002	No	24	0.001395	0.0008746	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-14	0.002	0.00007	0.002	No	24	0.001839	0.0005463	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-16	0.002	0.00006	0.002	No	24	0.001838	0.0005491	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-17	0.002	0.0001	0.002	No	24	0.001521	0.000848	75	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-21	0.002	0.00005	0.002	No	24	0.001919	0.000398	95.83	None	No	0.01	NP (NDs)
Thallium (mg/L)	GWC-22	0.002	0.00017	0.002	No	24	0.001603	0.00079	79.17	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWB-4R	0.02594	0.01083	0.24	No	23	0.01839	0.01444	4.348	None	No	0.01	Param.
Vanadium (mg/L)	GWB-5R	0.01268	0.005546	0.24	No	23	0.01196	0.01313	4.348	None	ln(x)	0.01	Param.
Vanadium (mg/L)	GWB-6R	0.02739	0.01165	0.24	No	23	0.02258	0.02068	0	None	x^(1/3)	0.01	Param.
Vanadium (mg/L)	GWC-1	0.006311	0.003761	0.24	No	23	0.008144	0.006035	17.39	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-2	0.02	0.00777	0.24	No	23	0.01671	0.006427	78.26	Kaplan-Meier	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-9	0.02	0.0103	0.24	No	23	0.01592	0.007198	73.91	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-11	0.00685	0.0023	0.24	No	23	0.006855	0.007201	21.74	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-12	0.007273	0.004717	0.24	No	23	0.005995	0.002444	8.696	None	No	0.01	Param.
Vanadium (mg/L)	GWC-13	0.02	0.00361	0.24	No	23	0.01354	0.008275	56.52	None	No	0.01	NP (NDs)
Vanadium (mg/L)	GWC-14	0.0127	0.006642	0.24	No	26	0.01041	0.006937	11.54	None	sqrt(x)	0.01	Param.
Vanadium (mg/L)	GWC-15	0.003653	0.002403	0.24	No	25	0.004881	0.003133	24	Kaplan-Meier	ln(x)	0.01	Param.
Vanadium (mg/L)	GWC-16	0.00575	0.0029	0.24	No	26	0.01091	0.01704	15.38	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-17	0.02	0.0031	0.24	No	23	0.0104	0.008071	39.13	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-20	0.00736	0.0029	0.24	No	25	0.005414	0.002848	20	None	No	0.01	NP (normality)
Vanadium (mg/L)	GWC-21	0.005754	0.003449	0.24	No	23	0.005631	0.002894	17.39	Kaplan-Meier	No	0.01	Param.
Vanadium (mg/L)	GWC-22	0.02	0.00394	0.24	No	23	0.01342	0.00965	52.17	None	No	0.01	NP (NDs)
Vanadium (mg/L)	MW-24D	0.02	0.02	0.24	No	11	0.01856	0.004782	90.91	None	No	0.006	NP (NDs)
Vanadium (mg/L)	MW-25D	0.02	0.02	0.24	No	11	0.0184	0.005307	90.91	None	No	0.006	NP (NDs)
Zinc (mg/L)	GWB-4R	0.02	0.0064	0.16	No	23	0.01218	0.006818	39.13	None	No	0.01	NP (normality)
Zinc (mg/L)	GWB-5R	0.1	0.0081	0.16	No	23	0.08322	0.03741	82.61	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWB-6R	0.01439	0.004571	0.16	No	23	0.01387	0.01071	39.13	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	GWC-1	0.02	0.00917	0.16	No	23	0.01559	0.007006	69.57	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-2	0.1	0.0125	0.16	No	23	0.07326	0.04261	69.57	Kaplan-Meier	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-9	0.1	0.0033	0.16	No	23	0.04746	0.0474	43.48	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-11	0.02	0.0061	0.16	No	23	0.0166	0.008773	69.57	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-12	0.02	0.0031	0.16	No	23	0.01109	0.008745	39.13	None	No	0.01	NP (normality)
Zinc (mg/L)	GWC-13	0.02792	0.01209	0.16	No	23	0.02	0.01513	0	None	No	0.01	Param.
Zinc (mg/L)	GWC-14	0.02	0.01	0.16	No	26	0.01768	0.005702	84.62	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-15	0.032	0.0051	0.16	No	25	0.01924	0.005038	88	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-16	0.02	0.01	0.16	No	26	0.01533	0.007436	69.23	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-17	0.01077	0.006922	0.16	No	23	0.008844	0.003675	8.696	None	No	0.01	Param.
Zinc (mg/L)	GWC-20	0.02	0.0171	0.16	No	25	0.01848	0.005702	80	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-21	0.02	0.0096	0.16	No	23	0.01608	0.006965	73.91	None	No	0.01	NP (NDs)
Zinc (mg/L)	GWC-22	0.02	0.006	0.16	No	23	0.01427	0.006989	52.17	None	No	0.01	NP (NDs)
Zinc (mg/L)	MW-23D	0.02	0.00452	0.16	No	11	0.01412	0.006728	45.45	None	No	0.006	NP (normality)
Zinc (mg/L)	MW-24D	0.02	0.0102	0.16	No	11	0.01752	0.005784	81.82	None	No	0.006	NP (NDs)
Zinc (mg/L)	MW-25D	0.02039	0.005077	0.16	No	11	0.01806	0.0125	45.45	Kaplan-Meier	sqrt(x)	0.01	Param.
Zinc (mg/L)	MW-26D	0.02668	0.005878	0.16	No	8	0.01677	0.01138	25	Kaplan-Meier	sqrt(x)	0.01	Param.

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

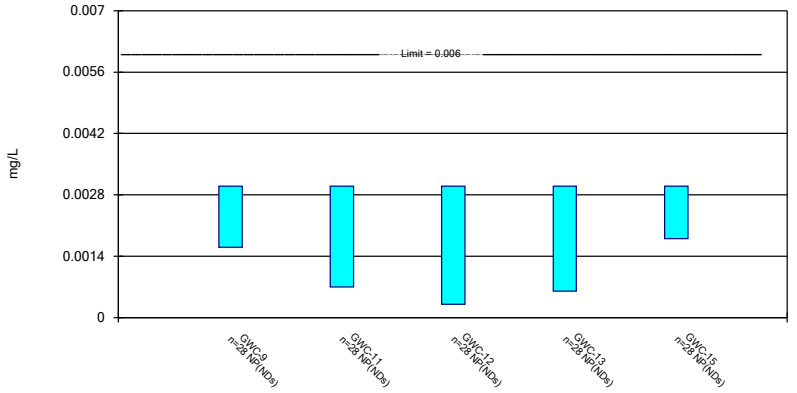


Constituent: Antimony Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

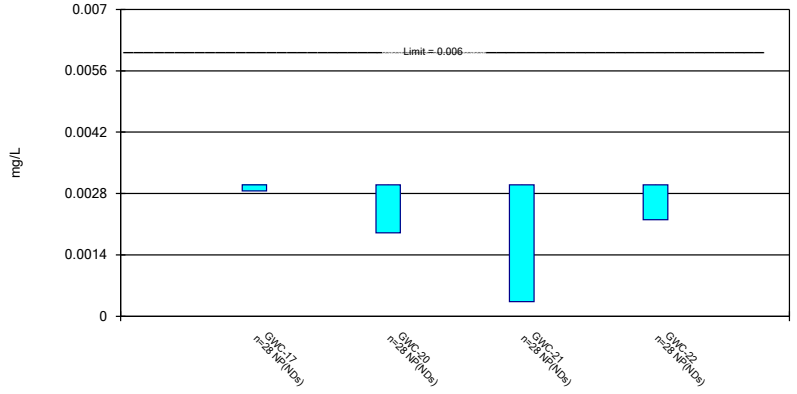


Constituent: Antimony Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

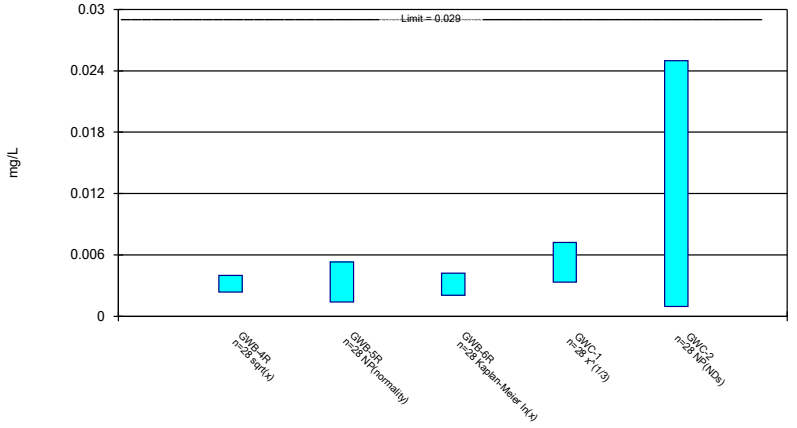


Constituent: Antimony Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

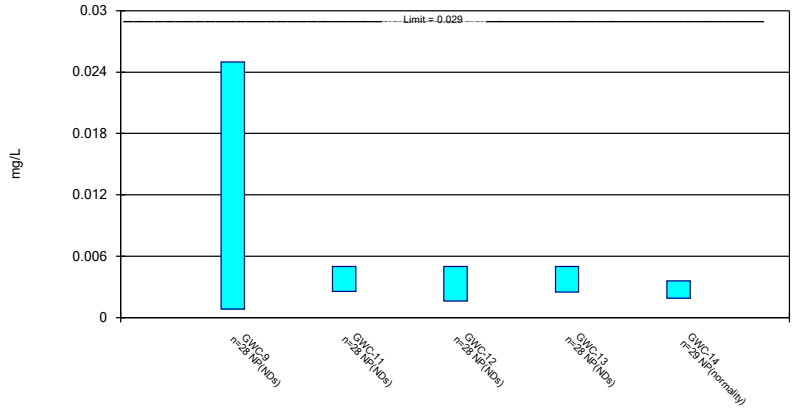


Constituent: Arsenic Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

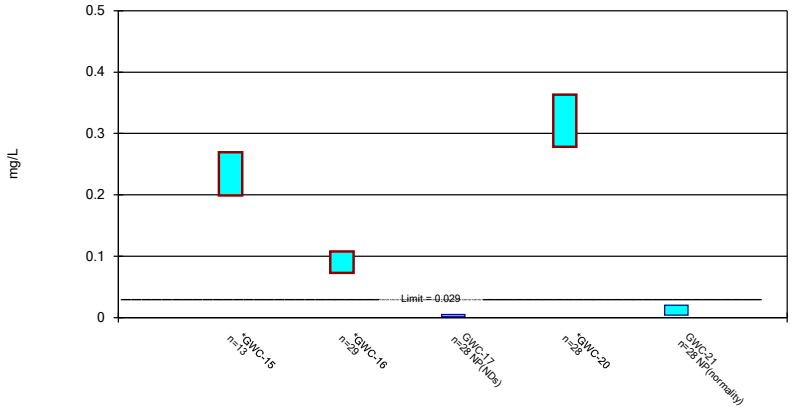


Constituent: Arsenic Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

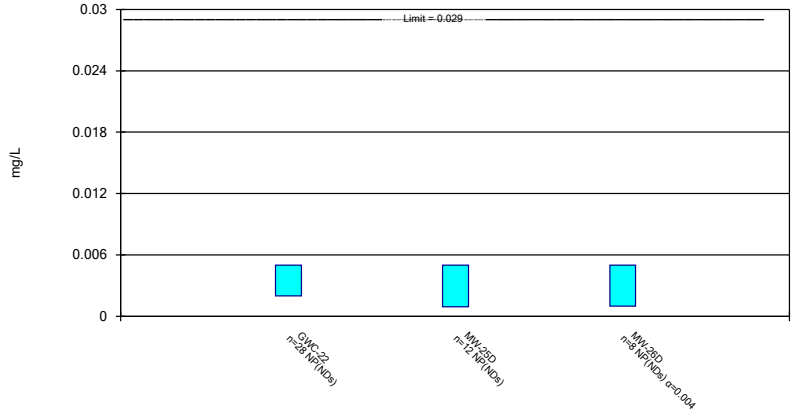


Constituent: Arsenic Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

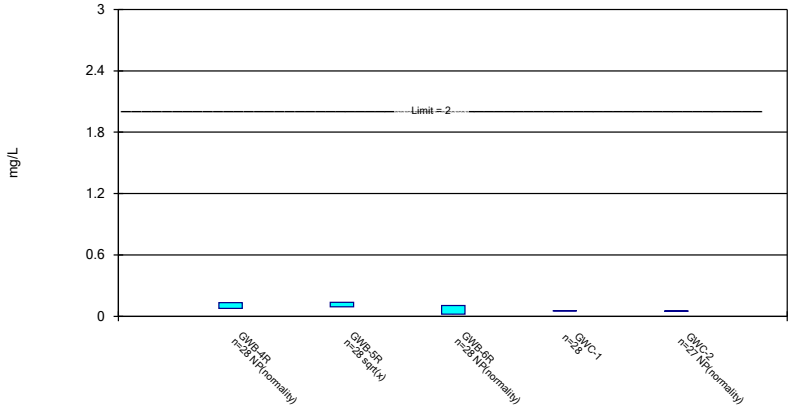


Constituent: Arsenic Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

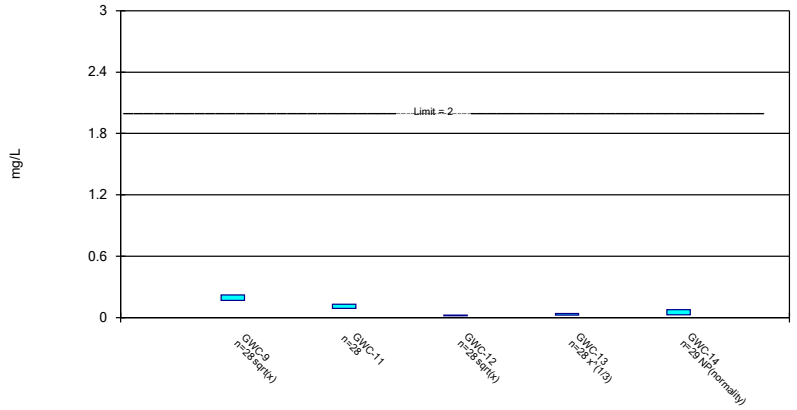


Constituent: Barium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

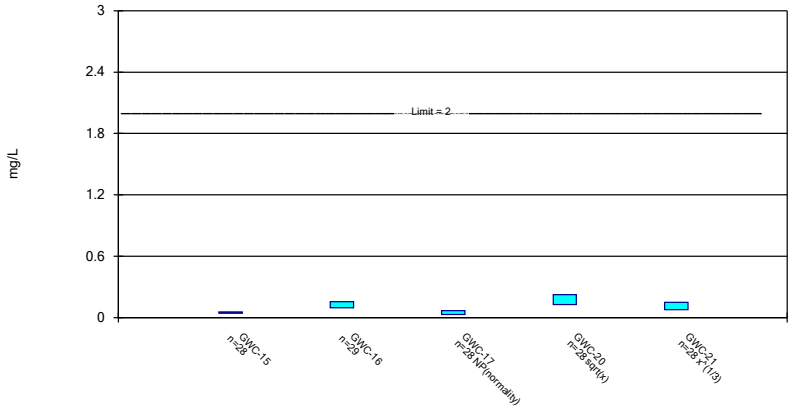


Constituent: Barium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

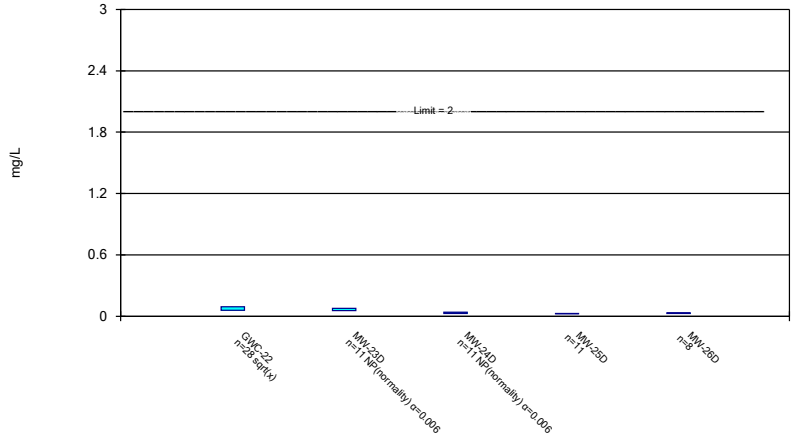


Constituent: Barium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

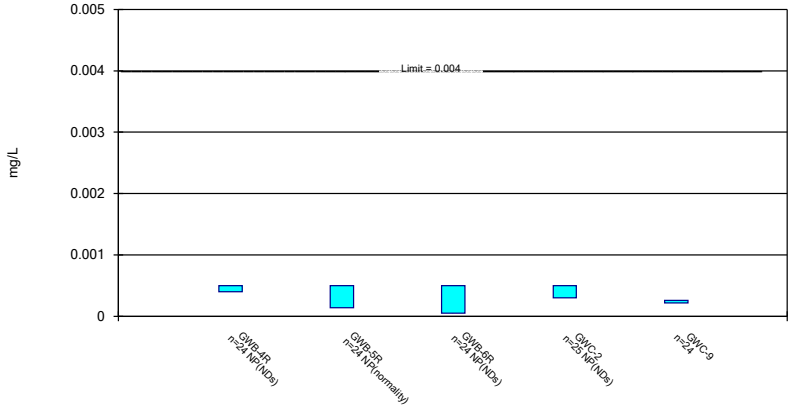


Constituent: Barium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

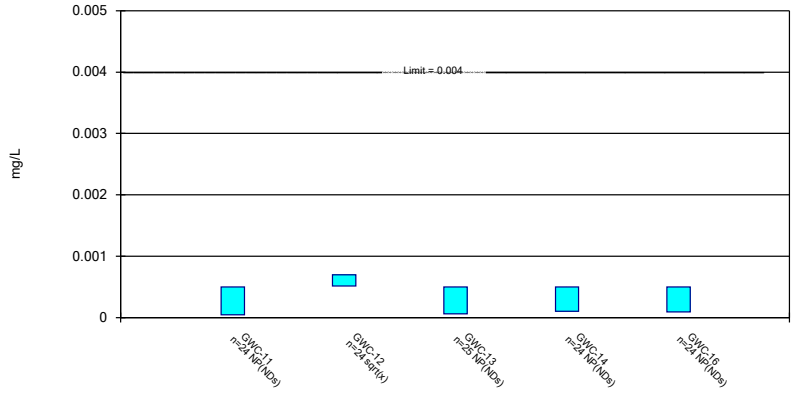


Constituent: Beryllium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

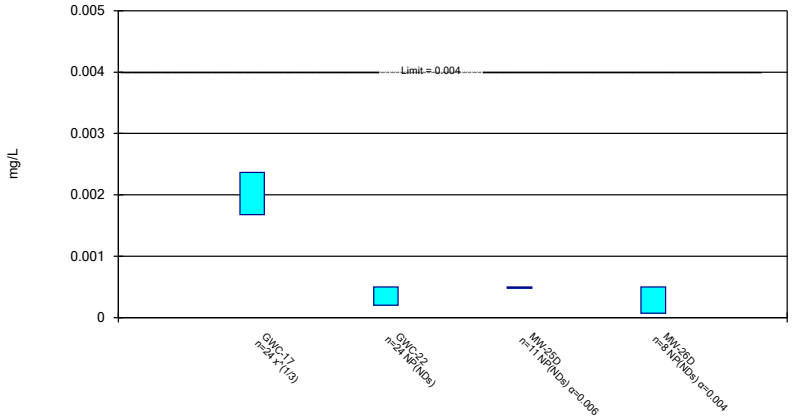


Constituent: Beryllium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

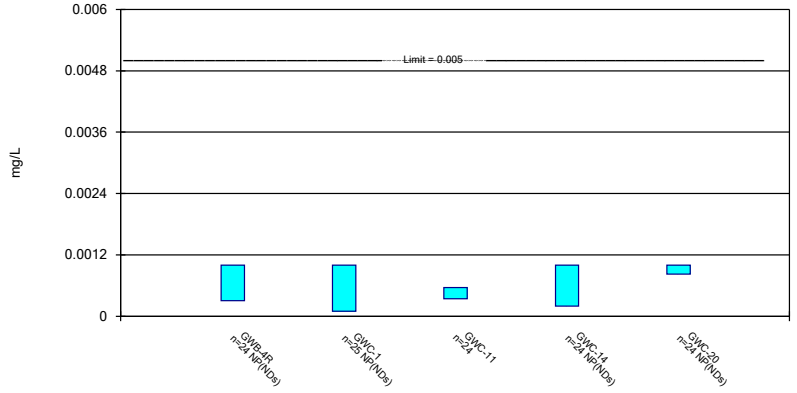


Constituent: Beryllium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

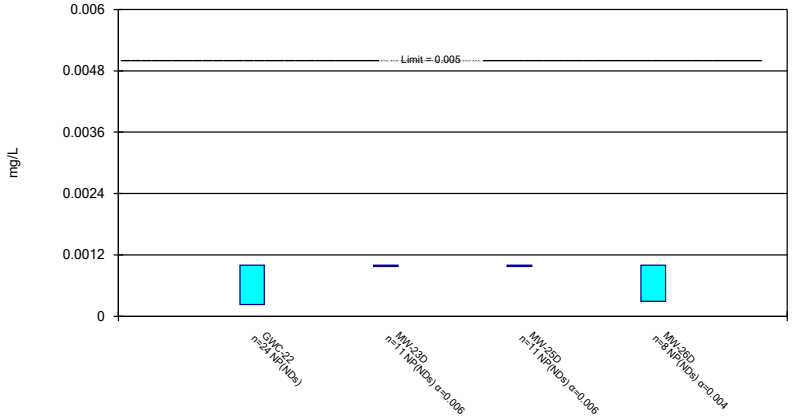


Constituent: Cadmium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

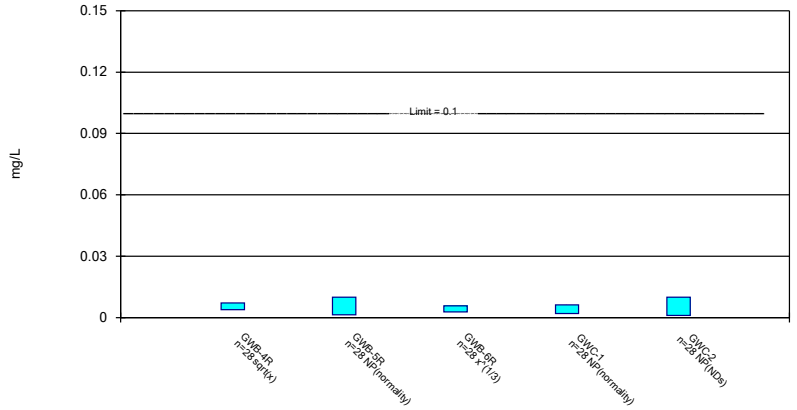


Constituent: Cadmium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

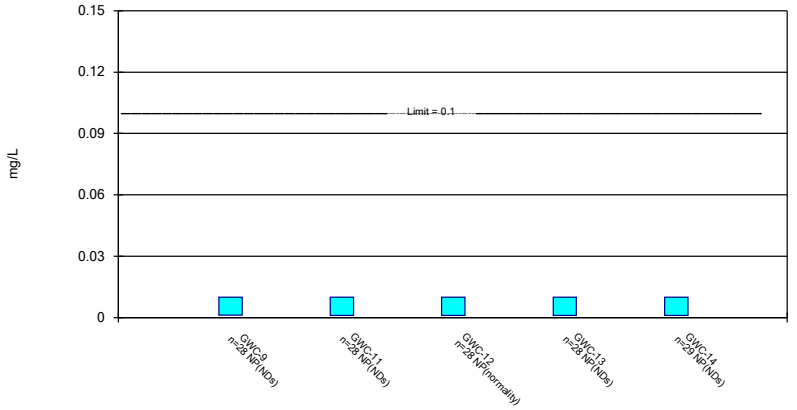


Constituent: Chromium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

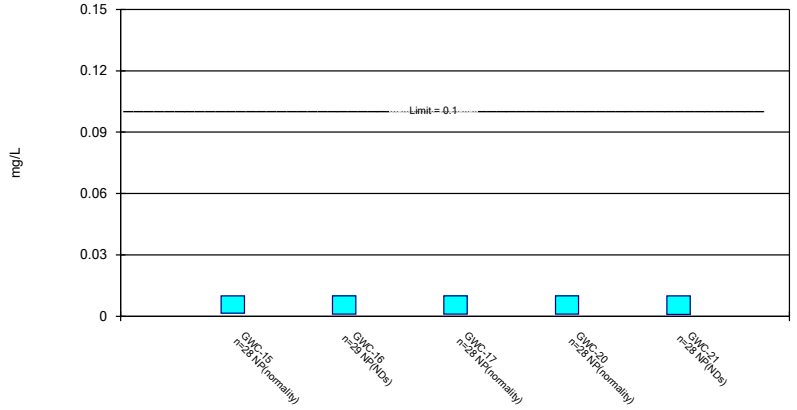


Constituent: Chromium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

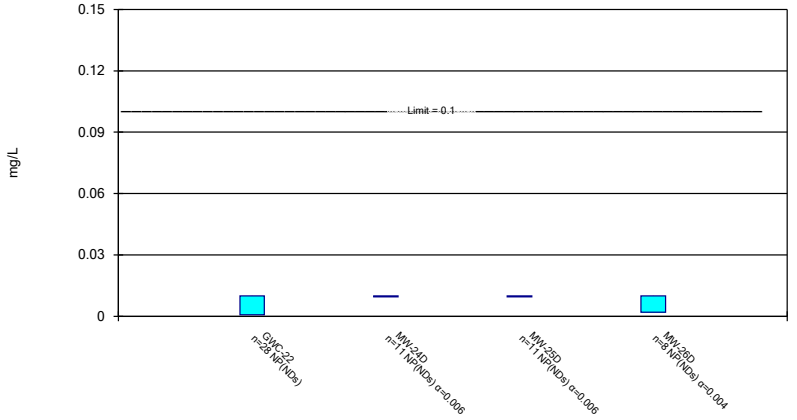


Constituent: Chromium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

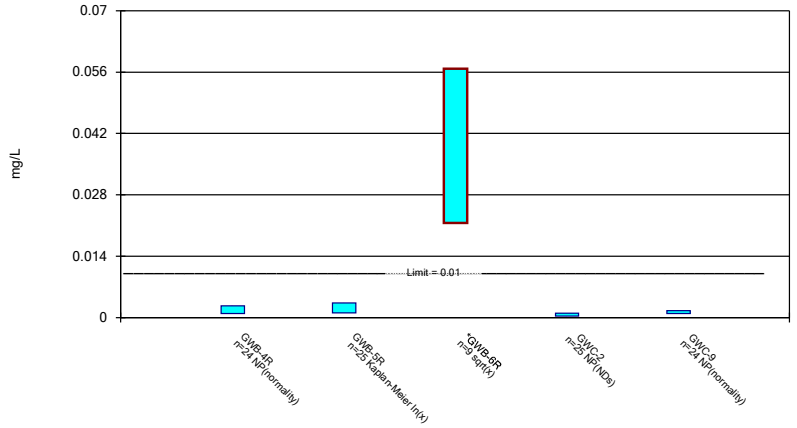


Constituent: Chromium Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.

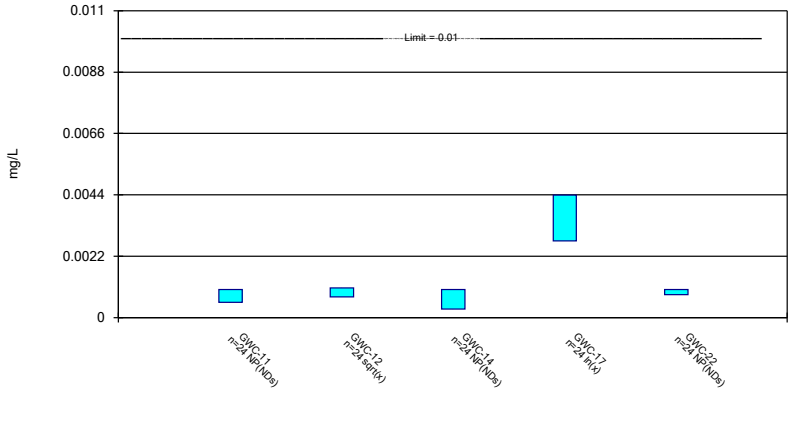


Constituent: Cobalt Analysis Run 3/30/2026 3:32 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

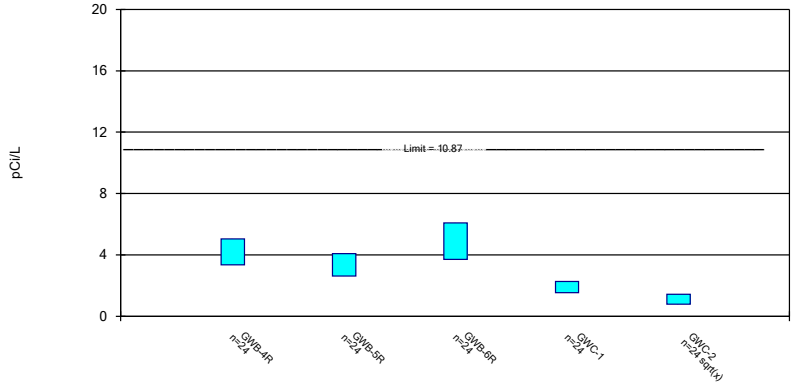


Constituent: Cobalt Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

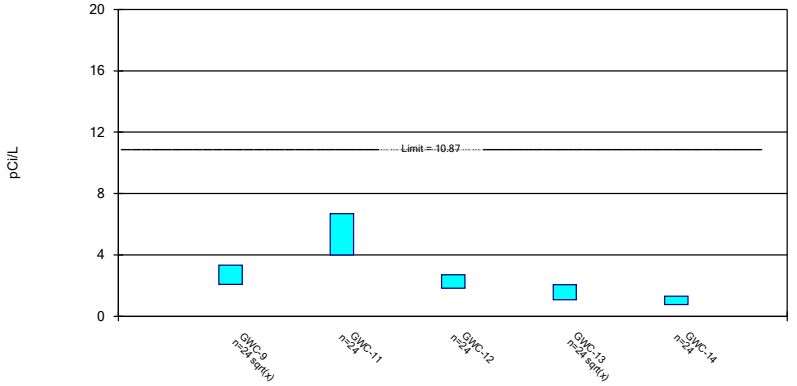


Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

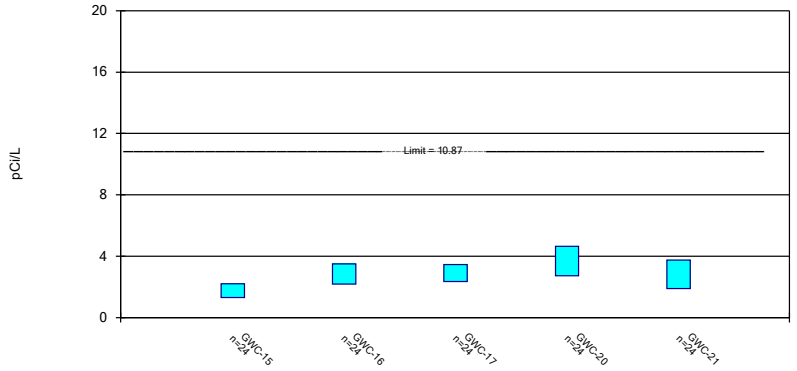


Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

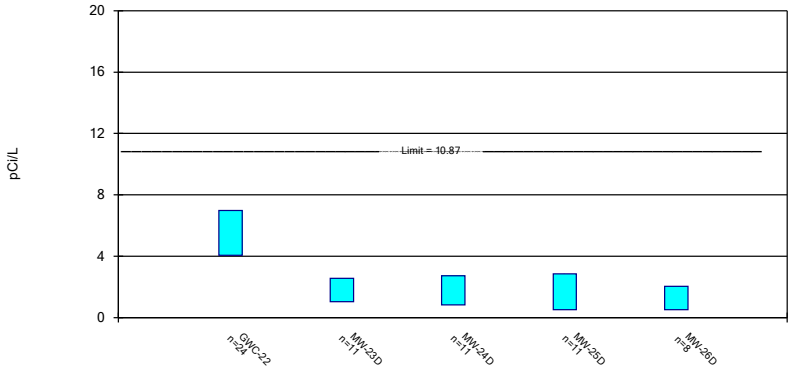


Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

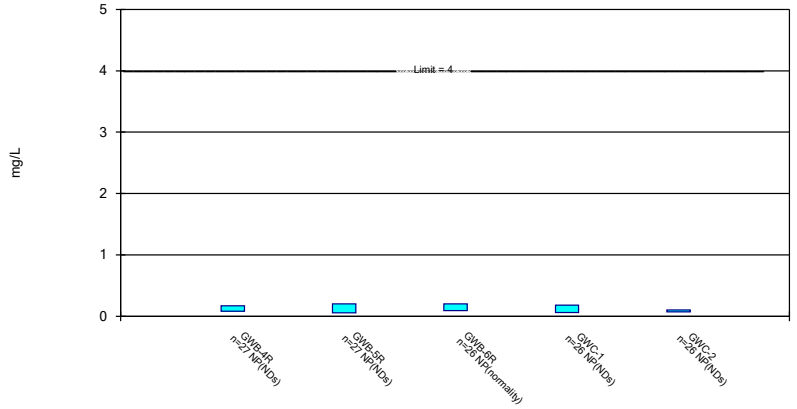


Constituent: Combined Radium 226 + 228 Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

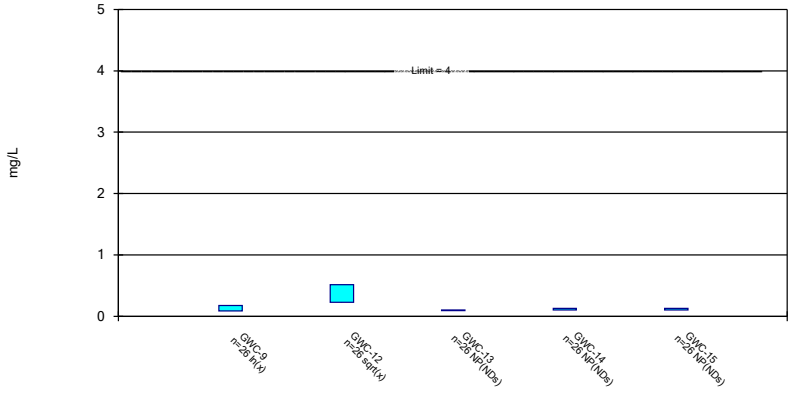


Constituent: Fluoride Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

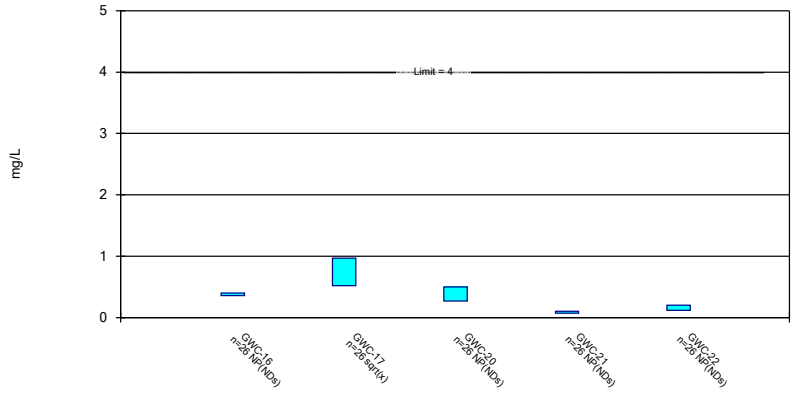


Constituent: Fluoride Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

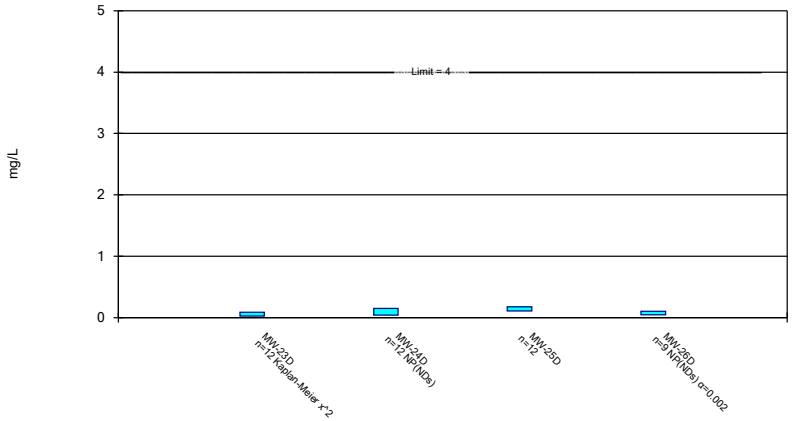


Constituent: Fluoride Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

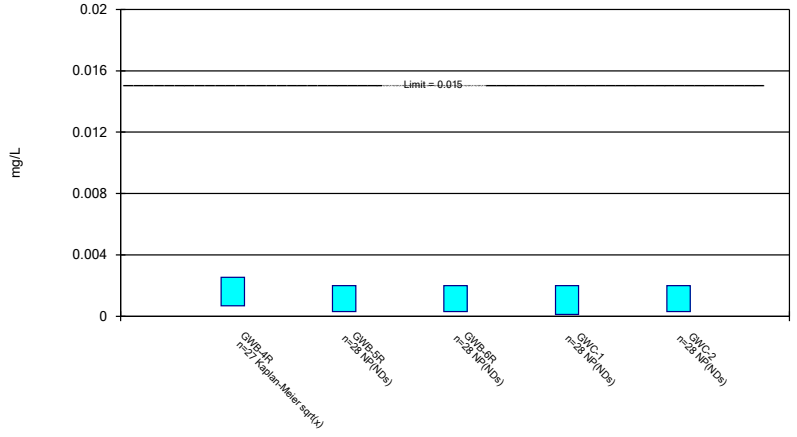


Constituent: Fluoride Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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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.

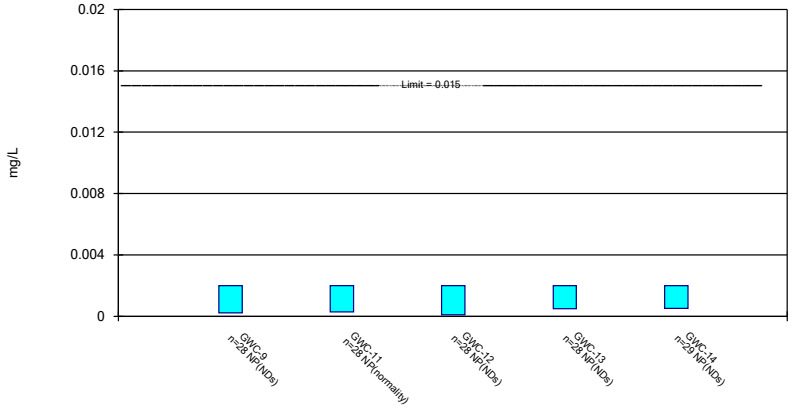


Constituent: Lead Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

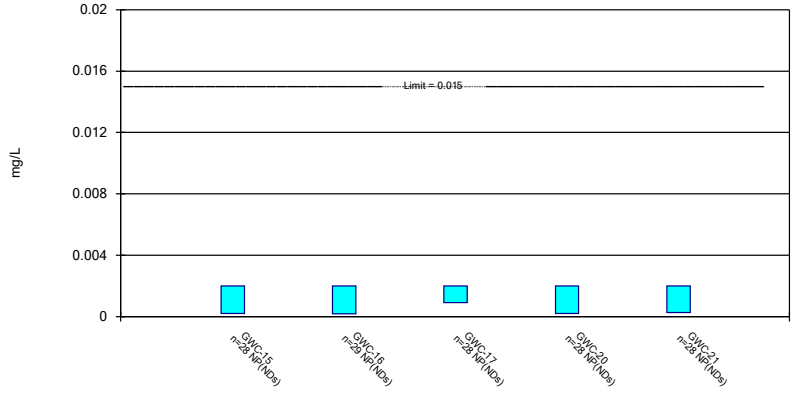


Constituent: Lead Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

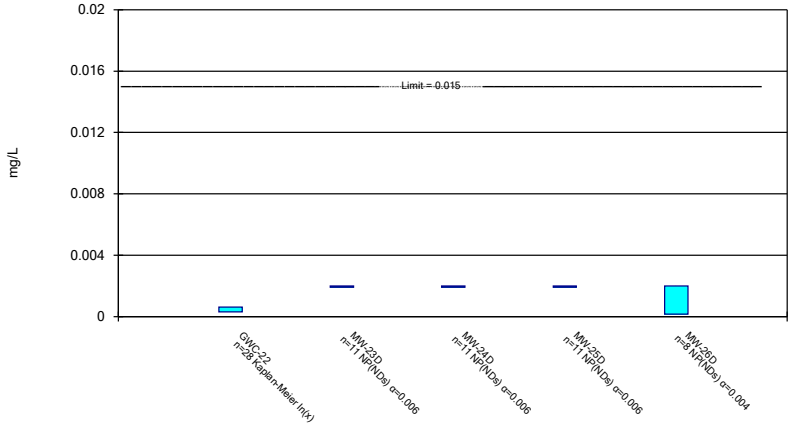


Constituent: Lead Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

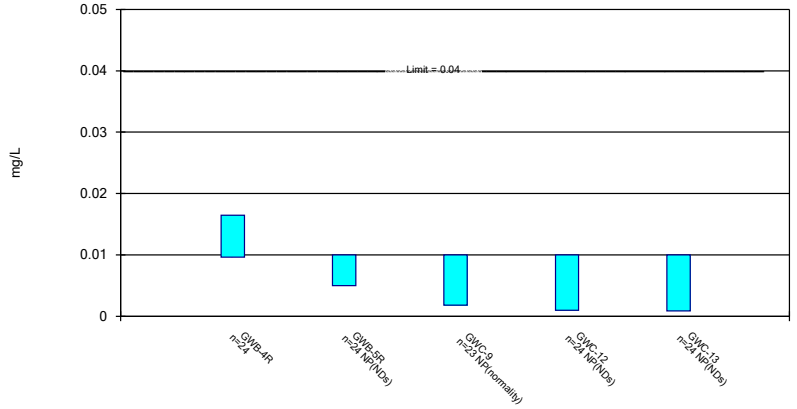


Constituent: Lead Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

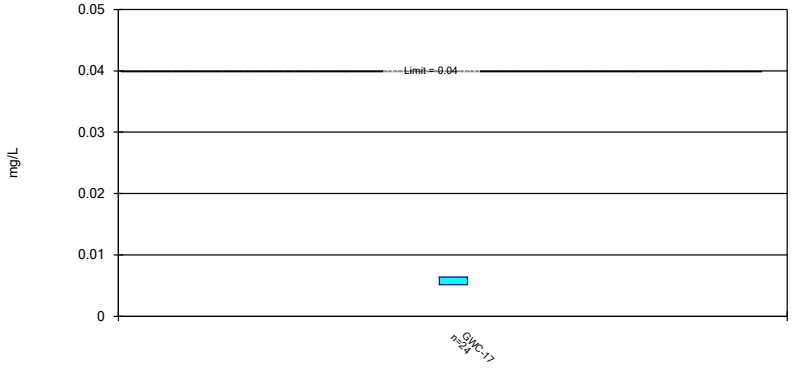


Constituent: Lithium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

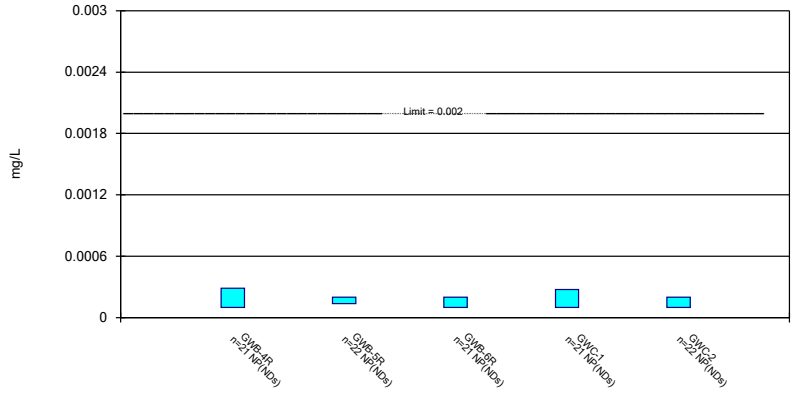


Constituent: Lithium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

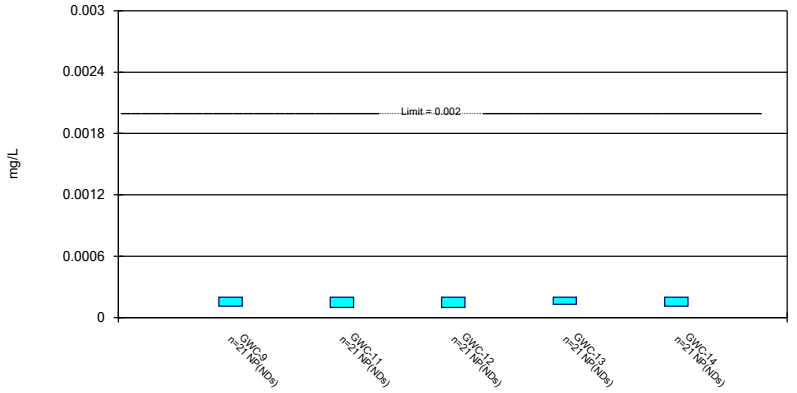


Constituent: Mercury Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

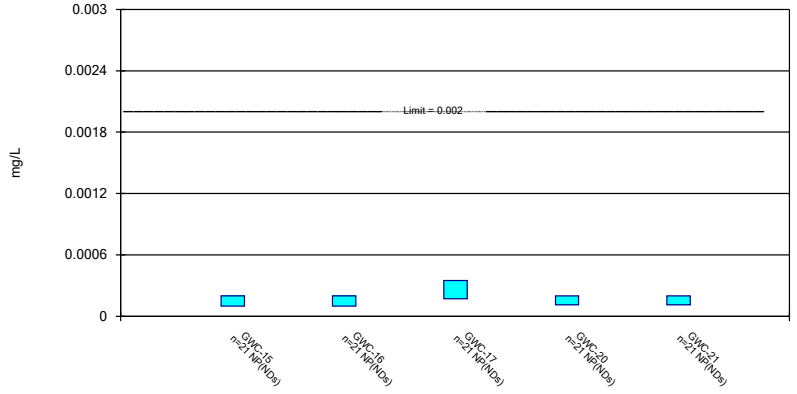


Constituent: Mercury Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

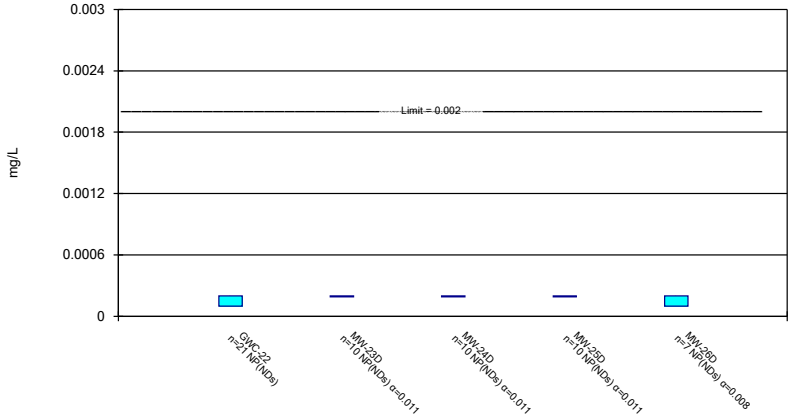


Constituent: Mercury Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

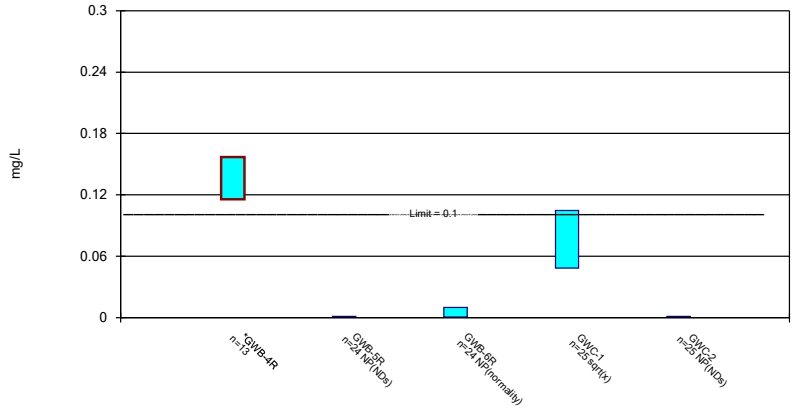


Constituent: Mercury Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

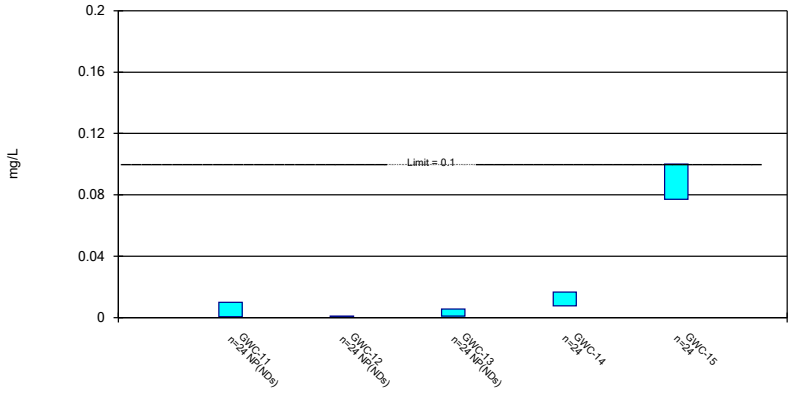


Constituent: Molybdenum Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

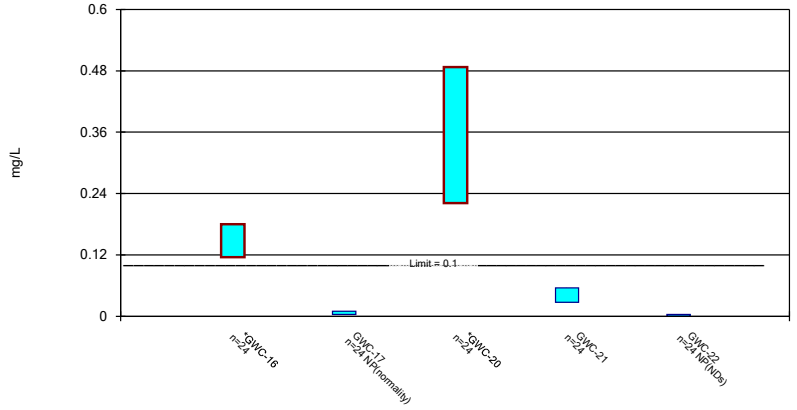


Constituent: Molybdenum Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

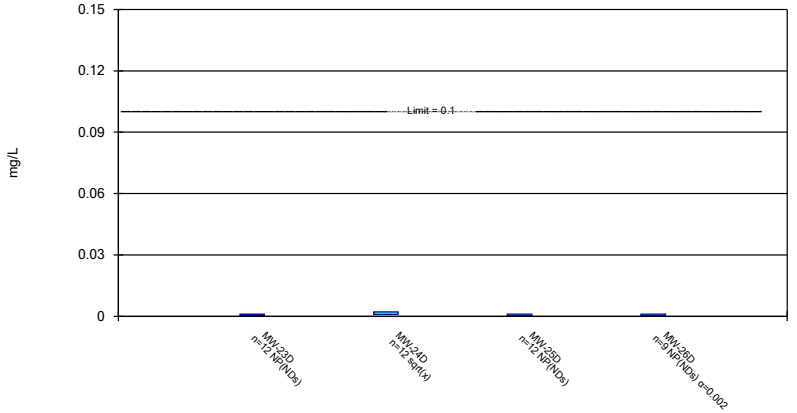


Constituent: Molybdenum Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

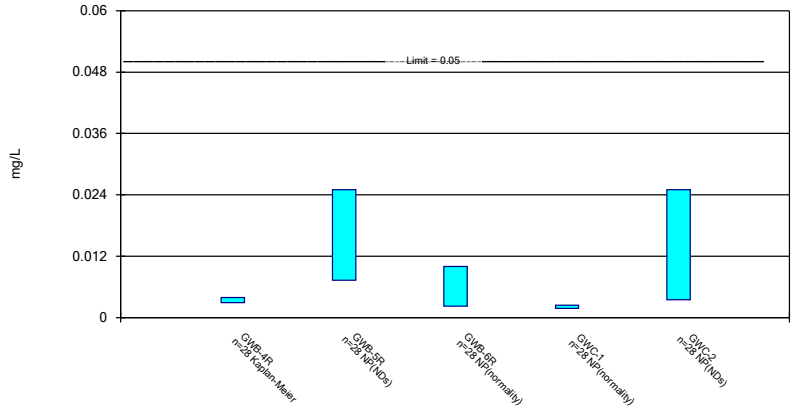


Constituent: Molybdenum Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

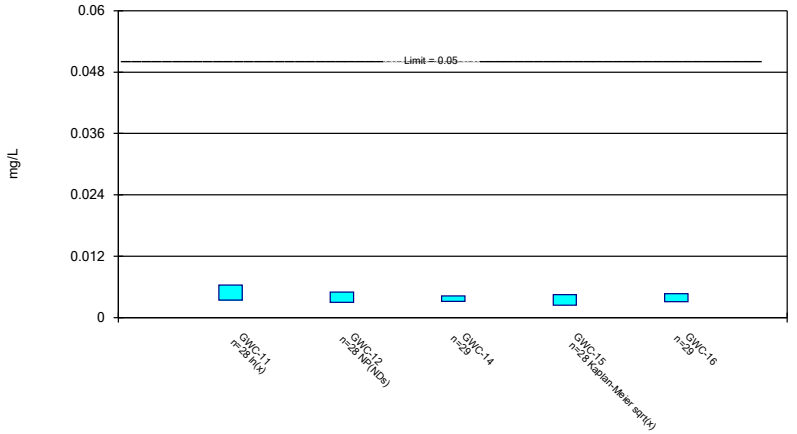


Constituent: Selenium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

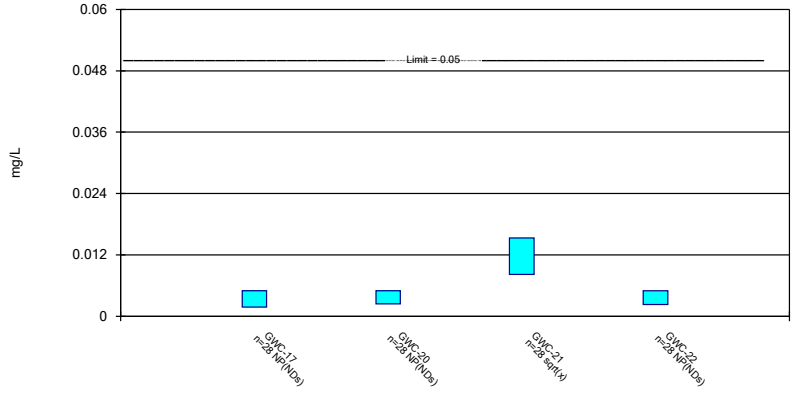


Constituent: Selenium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

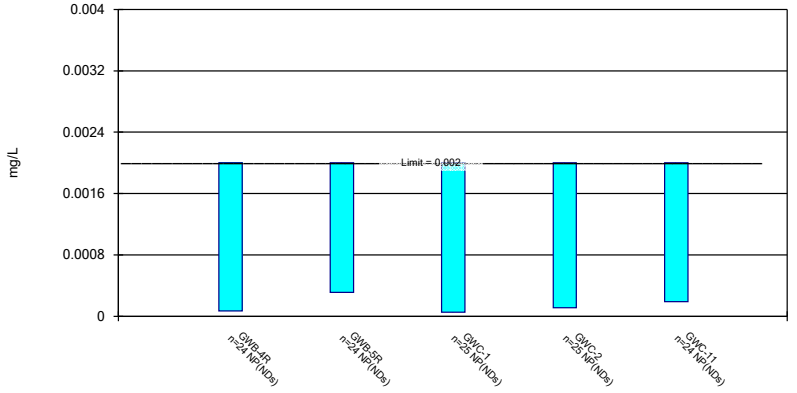


Constituent: Selenium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

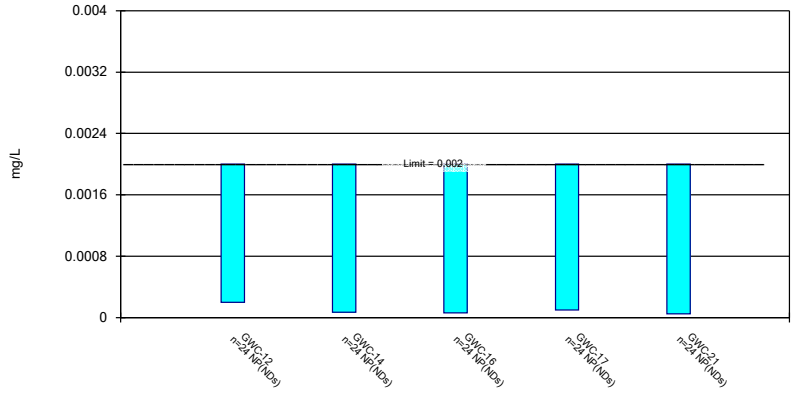


Constituent: Thallium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

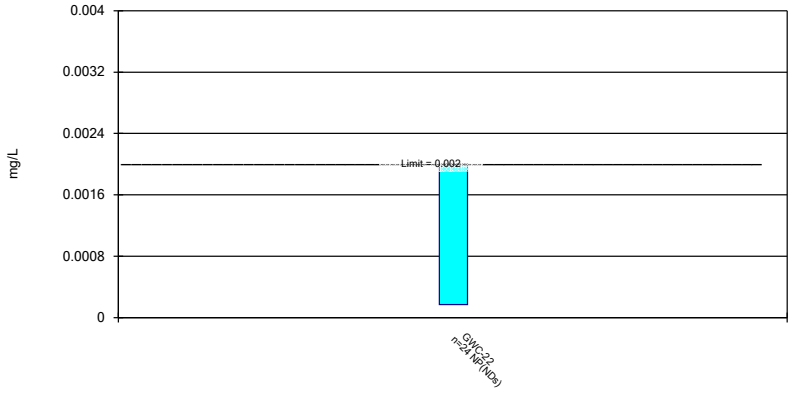


Constituent: Thallium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.

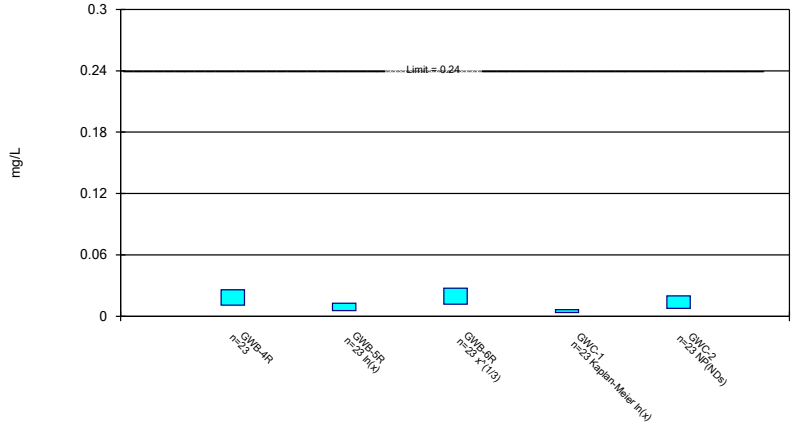


Constituent: Thallium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

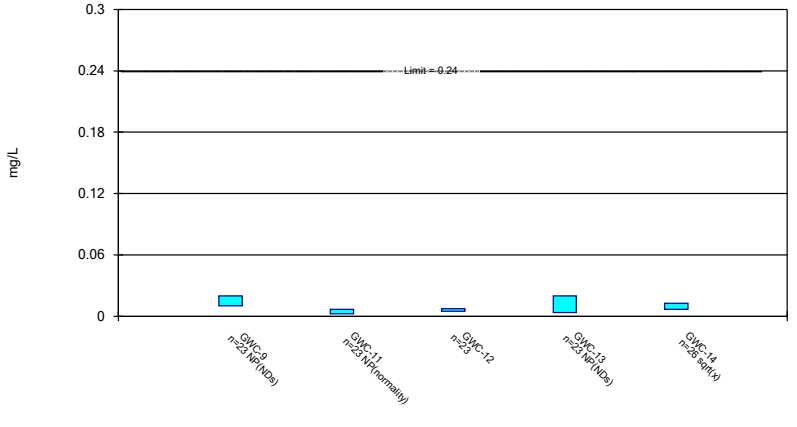


Constituent: Vanadium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

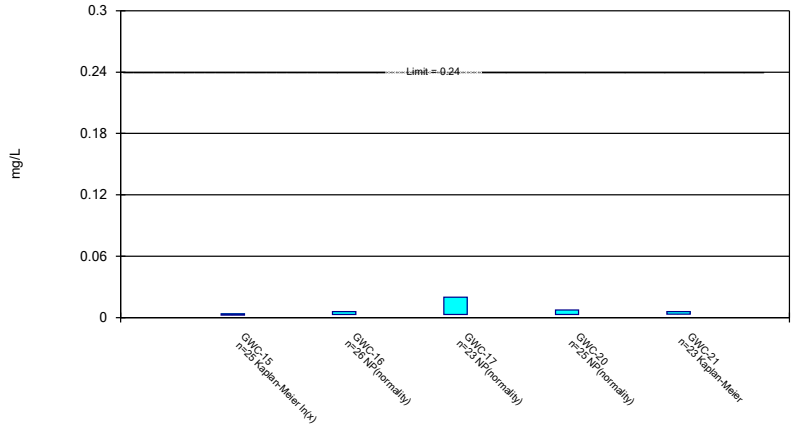


Constituent: Vanadium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

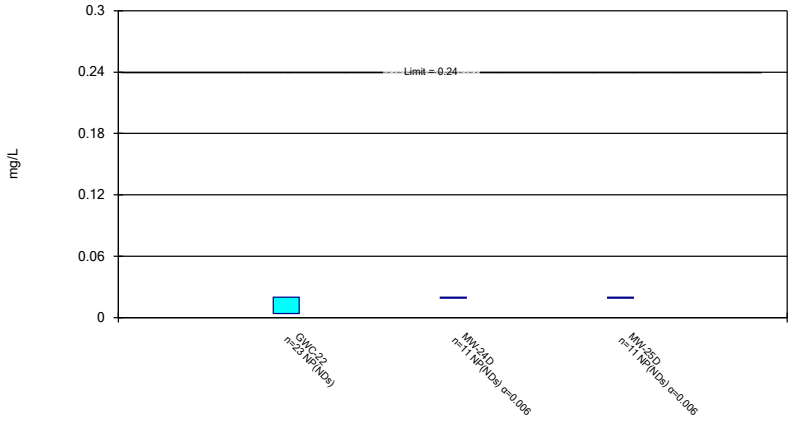


Constituent: Vanadium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.

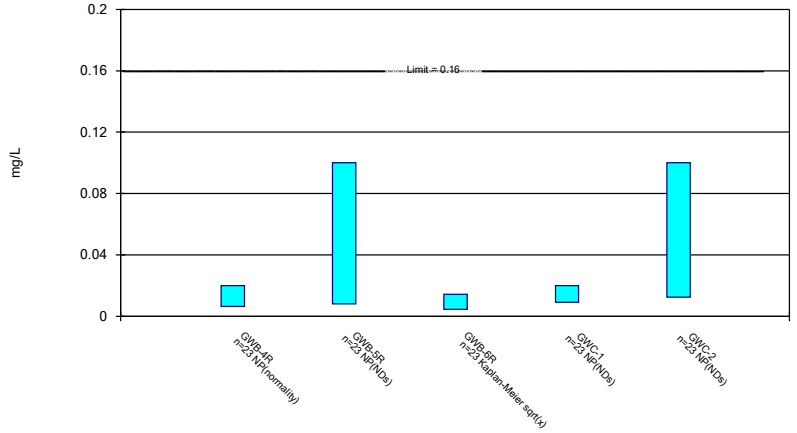


Constituent: Vanadium Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

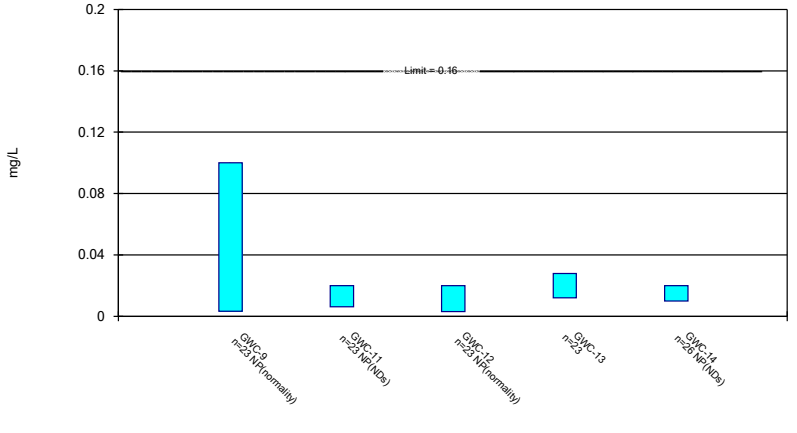


Constituent: Zinc Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

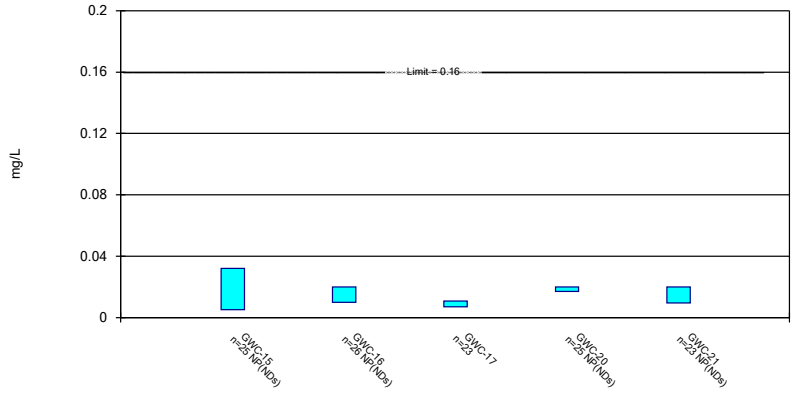


Constituent: Zinc Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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.

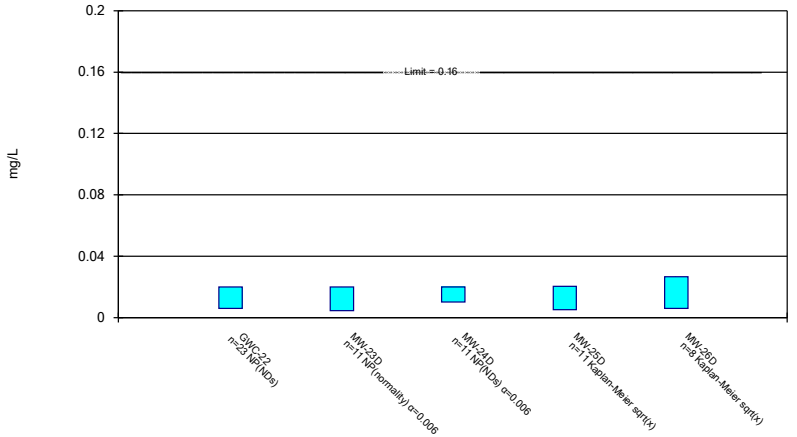


Constituent: Zinc Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to 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: Zinc Analysis Run 3/30/2026 3:33 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.003	<0.003
1/18/2016	<0.003	<0.003	<0.003		
7/27/2016		<0.003		<0.003	<0.003
7/28/2016			<0.003		
7/29/2016	0.0003 (J)				
8/30/2016		<0.003	<0.003	<0.003	
8/31/2016					<0.003
9/1/2016	<0.003				
10/25/2016				<0.003	
10/26/2016	<0.003	<0.003	<0.003		<0.003
1/3/2017		<0.003			
1/4/2017				<0.003	
1/5/2017			<0.003		<0.003
1/6/2017	<0.003				
4/4/2017	<0.003			<0.003	<0.003
4/6/2017		<0.003	<0.003		
7/12/2017	<0.003	<0.003	<0.003	<0.003	
7/13/2017					<0.003
10/3/2017		<0.003	<0.003	<0.003	<0.003
10/4/2017	<0.003				
1/9/2018			<0.003		
1/10/2018		<0.003		<0.003	<0.003
1/11/2018	<0.003				
7/10/2018		<0.003	<0.003	<0.003	<0.003
7/11/2018	<0.003				
1/16/2019	<0.003	<0.003	<0.003	<0.003	
1/21/2019					<0.003
3/25/2019	<0.003				
3/26/2019		<0.003	<0.003	<0.003	
7/30/2019					<0.003
8/27/2019	<0.003		<0.003	<0.003	<0.003
8/28/2019		0.00054 (J)			
10/9/2019	<0.003	<0.003	<0.003	<0.003	<0.003
4/7/2020	<0.003	<0.003	<0.003	<0.003	
4/8/2020					0.0013 (J)
8/18/2020					<0.003
8/19/2020	<0.003	<0.003	<0.003	0.00061 (J)	
9/28/2020				0.00035 (J)	
9/29/2020					0.0016 (J)
9/30/2020		0.0003 (J)	0.00059 (J)		
10/1/2020	<0.003				
3/10/2021	<0.003	<0.003	0.00029 (J)	0.00069 (J)	
3/15/2021					<0.003
9/21/2021	<0.003	0.0013 (J)	<0.003		
9/22/2021					<0.003
9/23/2021				0.0016 (J)	
2/2/2022	<0.003		<0.003		<0.003
2/3/2022		<0.003		<0.003	
8/30/2022	<0.003	<0.003	<0.003		
9/1/2022				<0.003	<0.003
2/1/2023		<0.003	<0.003		
2/2/2023	<0.003			<0.003	<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	<0.003	<0.003	<0.003	<0.003	<0.003
1/23/2024			<0.003	<0.003	
1/25/2024					<0.003
2/7/2024	<0.003				
2/8/2024		<0.003			
8/20/2024	<0.003		<0.003	<0.003	
8/21/2024		<0.003			<0.003
1/28/2025	<0.003		<0.003		
1/29/2025		<0.003		<0.003	<0.003
7/28/2025	<0.003				
7/29/2025			<0.003	<0.003	
7/30/2025		<0.003			<0.003
1/27/2026	<0.003			<0.003	
1/28/2026		<0.003	<0.003		<0.003
Mean	0.002904	0.002755	0.002817	0.002688	0.002889
Std. Dev.	0.0005103	0.0007341	0.0006726	0.0008004	0.0004086
Upper Lim.	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0003	0.0013	0.00059	0.0016	0.0016

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-15
1/17/2016					<0.003
1/18/2016	<0.003		<0.003	<0.003	
1/19/2016		<0.003			
7/26/2016		0.0005 (J)		0.0006 (J)	
7/27/2016			<0.003		<0.003
7/28/2016	<0.003				
8/31/2016	<0.003	<0.003	<0.003	<0.003	
9/1/2016					<0.003
10/25/2016					<0.003
10/26/2016		<0.003	<0.003	<0.003	
10/27/2016	0.0016 (J)				
1/4/2017		<0.003	<0.003		
1/5/2017				<0.003	<0.003
1/6/2017	<0.003				
4/3/2017					<0.003
4/5/2017			<0.003		
4/6/2017	<0.003	0.0006 (J)		<0.003	
7/10/2017			<0.003		
7/11/2017		0.0009 (J)			<0.003
7/12/2017	<0.003			<0.003	
10/2/2017					<0.003
10/3/2017		<0.003			
10/4/2017	<0.003		<0.003	<0.003	
1/9/2018					<0.003
1/10/2018				<0.003	
1/11/2018	<0.003	0.0007 (J)	<0.003		
7/10/2018					<0.003
7/11/2018	<0.003	<0.003	<0.003	<0.003	
1/16/2019				<0.003	
1/17/2019		<0.003	<0.003		<0.003
1/18/2019	<0.003				
3/26/2019				<0.003	<0.003
3/27/2019	<0.003	<0.003	<0.003		
8/27/2019		0.00033 (J)	<0.003	<0.003	<0.003
8/28/2019	<0.003				
10/8/2019		0.00046 (J)		<0.003	<0.003
10/9/2019	<0.003		<0.003		
4/7/2020		0.00066 (J)	<0.003		<0.003
4/8/2020	0.00033 (J)			<0.003	
8/17/2020			<0.003	<0.003	
8/18/2020		0.00064 (J)			<0.003
8/19/2020	<0.003				
9/28/2020				<0.003	
9/29/2020		0.00051 (J)	<0.003		
9/30/2020					<0.003
10/1/2020	<0.003				
3/10/2021	<0.003	0.00076 (J)	0.0003 (J)		
3/12/2021					0.0018 (J)
3/15/2021				<0.003	
9/21/2021		<0.003	<0.003	<0.003	
9/22/2021	<0.003				
9/23/2021					<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-15
2/2/2022	<0.003				
2/3/2022		<0.003	<0.003	<0.003	<0.003
8/30/2022			<0.003		
8/31/2022		<0.003		<0.003	<0.003
9/1/2022	<0.003				
2/1/2023	<0.003	<0.003	<0.003	<0.003	
2/2/2023					<0.003
8/29/2023	<0.003			<0.003	
9/6/2023		<0.003	<0.003		
9/7/2023					<0.003
1/24/2024	<0.003	<0.003			<0.003
1/25/2024			<0.003	<0.003	
8/21/2024	<0.003	<0.003	<0.003	<0.003	<0.003
1/28/2025		<0.003			
1/29/2025	<0.003		<0.003	<0.003	<0.003
7/29/2025		<0.003			
7/30/2025	<0.003		<0.003	<0.003	<0.003
1/27/2026		<0.003			<0.003
1/28/2026	<0.003		<0.003	<0.003	
Mean	0.002855	0.002145	0.002904	0.002914	0.002957
Std. Dev.	0.000561	0.001172	0.0005103	0.0004536	0.0002268
Upper Lim.	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0016	0.0007	0.0003	0.0006	0.0018

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2016		<0.003	<0.003	
1/18/2016	<0.003			<0.003
7/28/2016		0.0019 (J)	<0.003	
7/29/2016	<0.003			<0.003
8/31/2016				<0.003
9/1/2016	<0.003	<0.003	<0.003	
10/25/2016		<0.003	<0.003	
10/26/2016	<0.003			<0.003
1/4/2017		<0.003	<0.003	<0.003
1/5/2017	<0.003			
4/4/2017		<0.003	<0.003	
4/5/2017	<0.003			
4/6/2017				<0.003
7/11/2017		<0.003		<0.003
7/13/2017	<0.003		<0.003	
10/2/2017		<0.003		
10/3/2017			<0.003	
10/4/2017	<0.003			<0.003
1/9/2018			<0.003	
1/10/2018		<0.003		
1/11/2018	<0.003			<0.003
7/9/2018		<0.003		
7/10/2018			<0.003	
7/11/2018	<0.003			<0.003
1/16/2019	<0.003			
1/17/2019			<0.003	
1/18/2019				<0.003
1/21/2019		<0.003		
3/25/2019		<0.003		
3/26/2019	<0.003		<0.003	
3/27/2019				<0.003
8/27/2019				0.00045 (J)
8/28/2019	<0.003	<0.003	<0.003	
10/8/2019			<0.003	
10/9/2019	<0.003	<0.003		<0.003
4/7/2020			<0.003	0.00049 (J)
4/8/2020	<0.003	<0.003		
8/18/2020	<0.003	<0.003	<0.003	0.0022 (J)
9/30/2020	<0.003	<0.003	0.00033 (J)	0.0016 (J)
3/10/2021				0.0004 (J)
3/11/2021	0.00039 (J)			
3/12/2021		0.00065 (J)		
3/16/2021			<0.003	
9/21/2021				<0.003
9/22/2021	0.0014 (J)	<0.003	<0.003	
2/1/2022	<0.003	<0.003	<0.003	
2/3/2022				<0.003
8/30/2022		<0.003	<0.003	
8/31/2022	<0.003			<0.003
2/1/2023	0.00286 (J)	<0.003		
2/2/2023			<0.003	<0.003
8/29/2023	<0.003			<0.003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
9/6/2023		<0.003	<0.003	
1/23/2024				<0.003
1/24/2024	0.00245 (J)	<0.003		
1/25/2024			<0.003	
8/21/2024	<0.003	<0.003		<0.003
8/22/2024			<0.003	
1/28/2025	0.00115 (J)			<0.003
1/29/2025		<0.003	<0.003	
7/29/2025	<0.003	<0.003		<0.003
7/30/2025			<0.003	
1/27/2026		<0.003		
1/28/2026	<0.003		<0.003	<0.003
Mean	0.002759	0.002877	0.002905	0.002648
Std. Dev.	0.0006523	0.0004833	0.0005046	0.000832
Upper Lim.	0.003	0.003	0.003	0.003
Lower Lim.	0.00286	0.0019	0.00033	0.0022

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.024	<0.025
1/18/2016	<0.005	<0.025	<0.025		
7/27/2016		0.0008 (J)		0.0046 (J)	<0.025
7/28/2016			0.0009 (J)		
7/29/2016	0.0014 (J)				
8/30/2016		<0.025	<0.025	0.0023 (J)	
8/31/2016					<0.025
9/1/2016	0.0033 (J)				
10/25/2016				0.0035 (J)	
10/26/2016	0.0016 (J)	<0.025	<0.025		<0.025
1/3/2017		<0.025			
1/4/2017				0.0018 (J)	
1/5/2017			0.0021 (J)		<0.025
1/6/2017	<0.005				
4/4/2017	0.0021 (J)			0.0015 (J)	<0.025
4/6/2017		0.0006 (J)	0.0011 (J)		
7/12/2017	0.0015 (J)	0.0009 (J)	0.0014 (J)	0.0015 (J)	
7/13/2017					<0.025
10/3/2017		0.001 (J)	0.0014 (J)	0.0013 (J)	<0.025
10/4/2017	0.0018 (J)				
1/9/2018			0.0017 (J)		
1/10/2018		0.0012 (J)		0.0023 (J)	0.0006 (J)
1/11/2018	0.0015 (J)				
7/10/2018		0.0016 (J)	0.00063 (J)	0.0031 (J)	<0.025
7/11/2018	0.00095 (J)				
1/16/2019	0.0024 (J)	0.0011 (J)	<0.025	0.0023 (J)	
1/21/2019					<0.025
3/25/2019	0.0029 (J)				
3/26/2019		0.0014 (J)	0.0029 (J)	0.0032 (J)	
7/30/2019					0.00039 (J)
8/27/2019	0.0023 (J)		0.0035 (J)	0.0022 (J)	<0.025
8/28/2019		0.0023 (J)			
10/9/2019	0.0024 (J)	0.0053 (J)	0.0018 (J)	0.0042 (J)	<0.025
4/7/2020	0.0027 (J)	0.0011 (J)	<0.025	0.027	
4/8/2020					0.00094 (J)
8/18/2020					<0.025
8/19/2020	0.0033 (J)	0.0019 (J)	0.0036 (J)	0.007	
9/28/2020				0.0058	
9/29/2020					<0.025
9/30/2020		0.0017 (J)	0.004 (J)		
10/1/2020	0.0027 (J)				
3/10/2021	0.0025 (J)	0.0019 (J)	0.0054	0.0055	
3/15/2021					<0.025
9/21/2021	0.0027 (J)	<0.025	0.0054		
9/22/2021					<0.025
9/23/2021				0.0048 (J)	
2/2/2022	0.0036 (J)		0.01		<0.025
2/3/2022		0.0029 (J)		0.0057	
8/30/2022	0.0049 (J)	0.00253 (J)	0.00716		
9/1/2022				0.00568	<0.025
2/1/2023		0.00295 (J)	0.0042 (J)		
2/2/2023	0.00556			0.00433 (J)	<0.025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.0057	0.00239 (J)	0.00724	0.00668	<0.025
1/23/2024			0.00451 (J)	0.00609	
1/25/2024					<0.025
2/7/2024	0.00903				
2/8/2024		0.0071			
8/20/2024	0.00377 (J)		0.0056	0.0131	
8/21/2024		0.00237 (J)			<0.025
1/28/2025	0.00703		0.00574		
1/29/2025		0.00216 (J)		0.00822	<0.025
7/28/2025	0.00507				
7/29/2025			0.00474 (J)	0.00906	
7/30/2025		0.00227 (J)			<0.025
1/27/2026	0.00618			0.00776	
1/28/2026		<0.025	0.00504		<0.025
Mean	0.003353	0.007053	0.007681	0.006233	0.02239
Std. Dev.	0.001923	0.009636	0.008502	0.006089	0.007672
Upper Lim.	0.003982	0.0053	0.004211	0.00722	0.025
Lower Lim.	0.002367	0.0014	0.002064	0.003337	0.00094

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.002 (J)
1/18/2016	<0.025		<0.005	<0.005	
1/19/2016		<0.005			
4/26/2016					0.00183 (J)
7/26/2016		<0.005		<0.005	
7/27/2016			<0.005		0.0021 (J)
7/28/2016	<0.025				
8/31/2016	<0.025	<0.005	<0.005	<0.005	
9/1/2016					0.0024 (J)
10/25/2016					<0.005
10/26/2016		<0.005	<0.005	<0.005	
10/27/2016	<0.025				
1/4/2017		<0.005	<0.005		
1/5/2017				<0.005	0.0024 (J)
1/6/2017	<0.025				
4/4/2017					0.003 (J)
4/5/2017			0.0006 (J)		
4/6/2017	<0.025	<0.005		<0.005	
7/10/2017			0.0008 (J)		
7/11/2017		<0.005			0.0019 (J)
7/12/2017	<0.025			<0.005	
10/2/2017					0.0026 (J)
10/3/2017		<0.005			
10/4/2017	<0.025		0.0009 (J)	<0.005	
1/9/2018					0.0021 (J)
1/10/2018				0.0006 (J)	
1/11/2018	<0.025	<0.005	<0.005		
7/9/2018					0.0019 (J)
7/11/2018	<0.025	<0.005	<0.005	<0.005	
1/16/2019				<0.005	0.0016 (J)
1/17/2019		<0.005	<0.005		
1/18/2019	<0.025				
3/26/2019				0.00058 (J)	0.0023 (J)
3/27/2019	<0.025	<0.005	<0.005		
8/27/2019		<0.005	<0.005	<0.005	0.0017 (J)
8/28/2019	<0.025				
10/8/2019		<0.005		<0.005	0.0017 (J)
10/9/2019	<0.025		<0.005		
4/7/2020		<0.005	<0.005		0.0018 (J)
4/8/2020	0.00084 (J)			<0.005	
8/17/2020			<0.005	<0.005	
8/18/2020		<0.005			0.0012 (J)
8/19/2020	<0.025				
9/28/2020				<0.005	
9/29/2020		<0.005	<0.005		<0.005
10/1/2020	<0.025				
3/10/2021	<0.025	<0.005	<0.005		
3/15/2021				<0.005	
3/16/2021					<0.005
9/21/2021		<0.005	<0.005	<0.005	
9/22/2021	<0.025				0.0014 (J)
2/2/2022	<0.025				0.0036 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		<0.005	0.0016 (J)	0.0025 (J)	
8/30/2022			<0.005		<0.005
8/31/2022		<0.005		<0.005	
9/1/2022	<0.025				
2/1/2023	<0.025	<0.005	<0.005	<0.005	
2/2/2023					0.00261 (J)
8/29/2023	<0.025			<0.005	
9/6/2023		0.00254 (J)	<0.005		0.00244 (J)
1/24/2024	<0.025	<0.005			
1/25/2024			<0.005	<0.005	0.00216 (J)
8/21/2024	<0.025	<0.005	<0.005	<0.005	<0.005
1/28/2025		0.00241 (J)			
1/29/2025	<0.025		<0.005	<0.005	<0.005
7/29/2025		<0.005			
7/30/2025	<0.025		<0.005	<0.005	0.00239 (J)
1/27/2026		<0.005			
1/28/2026	<0.025		<0.005	<0.005	<0.005
Mean	0.02414	0.00482	0.004425	0.004596	0.002832
Std. Dev.	0.004566	0.0006625	0.001442	0.001226	0.001329
Upper Lim.	0.025	0.005	0.005	0.005	0.0036
Lower Lim.	0.00084	0.00254	0.0016	0.0025	0.0019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	0.014	0.089		0.34	0.0065
1/18/2016			<0.005		
4/26/2016		0.0731			
7/27/2016	0.0303				
7/28/2016		0.0627		0.209	<0.005
7/29/2016			0.0009 (J)		
9/1/2016	0.0533	0.0551	<0.005	0.215	0.0039 (J)
10/25/2016	0.0551	0.0466		0.307	<0.005
10/26/2016			<0.005		
1/4/2017		0.0444		0.311	<0.005
1/5/2017	0.0437		<0.005		
4/3/2017	0.0713				
4/4/2017				0.317	0.0031 (J)
4/5/2017		0.0591	0.0011 (J)		
7/11/2017	0.0745			0.299	
7/12/2017		0.0776			
7/13/2017			0.0016 (J)		<0.005
10/2/2017	0.0723			0.216	
10/3/2017		0.0813			<0.005
10/4/2017			0.0019 (J)		
1/9/2018	0.0731				0.0033 (J)
1/10/2018		0.085		0.347	
1/11/2018			0.0015 (J)		
7/9/2018				0.37	
7/10/2018	0.09	0.067			0.0027 (J)
7/11/2018			0.00082 (J)		
1/16/2019			<0.005		
1/17/2019	0.13	0.079			0.0022 (J)
1/21/2019				0.44	
3/25/2019				0.41	
3/26/2019	0.1	0.089	0.0015 (J)		0.0045 (J)
8/27/2019	0.17				
8/28/2019		0.091	0.0011 (J)	0.43	0.002 (J)
10/8/2019	0.13	0.088			0.0028 (J)
10/9/2019			0.0011 (J)	0.35	
4/7/2020	0.24	0.091			<0.005
4/8/2020			0.0013 (J)	0.33	
8/18/2020	0.28	0.045	<0.005	0.3	0.0059
9/30/2020	0.24	0.044	0.0012 (J)	0.31	0.0029 (J)
3/11/2021			0.0009 (J)		
3/12/2021	0.16			0.27	
3/16/2021		0.064			0.0098
9/22/2021		0.081	<0.005	0.23	<0.005
9/23/2021	0.21				
2/1/2022		0.095	<0.005	0.22	0.02
2/3/2022	0.23				
8/30/2022				0.465	0.0271
8/31/2022	0.259		<0.005		
9/1/2022		0.0987			
2/1/2023		0.115	<0.005	0.389	
2/2/2023	0.207				0.0323
8/29/2023			<0.005		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		0.12		0.258	0.0323
9/7/2023	0.287				
1/24/2024	0.177		<0.005	0.552	
1/25/2024		0.131			0.0319
8/21/2024	0.183	0.131	<0.005	0.423	
8/22/2024					0.00929
1/28/2025			0.00286 (J)		
1/29/2025	0.253	0.143		0.196	0.0307
7/29/2025			<0.005	0.186	
7/30/2025	0.325	0.17			0.028
1/27/2026	0.235			0.288	
1/28/2026		0.202	<0.005		0.0428
Mean	0.2343	0.0903	0.003314	0.3206	0.01211
Std. Dev.	0.04732	0.03766	0.00188	0.091	0.0125
Upper Lim.	0.2695	0.1076	0.005	0.3632	0.02
Lower Lim.	0.1991	0.07304	0.0013	0.2781	0.0039

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-25D	MW-26D
1/18/2016	<0.005		
7/29/2016	0.002 (J)		
8/31/2016	0.0017 (J)		
10/26/2016	<0.005		
1/4/2017	<0.005		
4/6/2017	0.0006 (J)		
7/11/2017	0.0012 (J)		
10/4/2017	0.0025 (J)		
1/11/2018	0.0006 (J)		
7/11/2018	0.0011 (J)		
1/18/2019	<0.005		
3/27/2019	<0.005		
8/27/2019	0.00044 (J)		
10/9/2019	<0.005		
4/7/2020	0.00043 (J)		
8/18/2020	<0.005		
9/30/2020	<0.005		
1/20/2021		<0.005	
3/10/2021	<0.005		
3/11/2021		0.00092 (J)	0.001 (J)
9/21/2021	<0.005		<0.005
9/23/2021		<0.005	
2/2/2022			0.0015 (J)
2/3/2022	<0.005	<0.005	
8/31/2022	<0.005	<0.005	
2/2/2023	<0.005	<0.005	
8/29/2023	0.00216 (J)		
9/7/2023		<0.005	
1/23/2024	<0.005		
1/25/2024		<0.005	<0.005
8/20/2024			<0.005
8/21/2024	<0.005	<0.005	
1/28/2025	<0.005		<0.005
1/29/2025		<0.005	
7/29/2025	<0.005		<0.005
7/30/2025		<0.005	
1/27/2026		<0.005	
1/28/2026	<0.005		<0.005
Mean	0.003669	0.00466	0.004062
Std. Dev.	0.001872	0.001178	0.001741
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.002	0.00092	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.062	0.049
1/18/2016	0.095	0.12	0.11		
7/27/2016		0.112		0.0417	0.0796
7/28/2016			0.105		
7/29/2016	0.0883				
8/30/2016		0.135	0.106	0.0545	
8/31/2016					0.0429
9/1/2016	0.123				
10/25/2016				0.0504	
10/26/2016	0.0863	0.103	0.107		0.113 (O)
1/3/2017		0.118			
1/4/2017				0.0534	
1/5/2017			0.107		0.0526
1/6/2017	0.0758				
4/4/2017	0.091			0.0549	0.0503
4/6/2017		0.162	0.111		
7/12/2017	0.0941	0.157	0.106	0.0614	
7/13/2017					0.0529
10/3/2017		0.127	0.105	0.0436	0.057
10/4/2017	0.0994				
1/9/2018			0.0969		
1/10/2018		0.158		0.053	0.0527
1/11/2018	0.088				
7/10/2018		0.31	0.087	0.059	0.054
7/11/2018	0.071				
1/16/2019	0.083	0.054	0.013 (J)	0.054	
1/21/2019					0.05
3/25/2019	0.077				
3/26/2019		0.057	0.012 (J)	0.055	
7/30/2019					0.052
8/27/2019	0.076		0.013	0.054	0.053
8/28/2019		0.1			
10/9/2019	0.076	0.13	0.014 (J)	0.058	0.05
4/7/2020	0.09	0.098	0.01 (J)	0.05	
4/8/2020					0.061
8/18/2020					0.05
8/19/2020	0.076	0.1	0.064	0.057	
9/28/2020				0.051	
9/29/2020					0.049
9/30/2020		0.16	0.092		
10/1/2020	0.077				
3/10/2021	0.07	0.096	0.027	0.052	
3/15/2021					0.053
9/21/2021	0.098	0.076	0.077		
9/22/2021					0.047
9/23/2021				0.062	
2/2/2022	0.17		0.026		0.052
2/3/2022		0.062		0.051	
8/30/2022	0.134	0.051	0.0266		
9/1/2022				0.0583	0.0508
2/1/2023		0.101	0.0233		
2/2/2023	0.101			0.0466	0.0461

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.16	0.0643	0.0196	0.0637	0.0452
1/23/2024			0.0239	0.0531	
1/25/2024					0.0505
2/7/2024	0.178				
2/8/2024		0.168			
8/20/2024	0.214		0.028	0.0452	
8/21/2024		0.0921			0.0506
1/28/2025	0.166		0.0197		
1/29/2025		0.153		0.0531	0.0486
7/28/2025	0.202				
7/29/2025			0.0207	0.0467	
7/30/2025		0.129			0.0484
1/27/2026	0.136			0.056	
1/28/2026		0.126	0.0263		0.0507
Mean	0.1106	0.1186	0.05632	0.05359	0.05181
Std. Dev.	0.0423	0.05126	0.04089	0.005596	0.006587
Upper Lim.	0.134	0.1369	0.105	0.05621	0.0529
Lower Lim.	0.077	0.09306	0.0207	0.05098	0.049

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.038
1/18/2016	0.2		0.032	0.026	
1/19/2016		0.048			
4/26/2016					0.025
7/26/2016		0.051		0.0236	
7/27/2016			0.0191		0.0248
7/28/2016	0.234				
8/31/2016	0.284	0.0565	0.019	0.0273	
9/1/2016					0.0346
10/25/2016					0.0248
10/26/2016		0.0591	0.0197	0.0238	
10/27/2016	0.244				
1/4/2017		0.0598	0.0174		
1/5/2017				0.0218	0.0245
1/6/2017	0.305				
4/4/2017					0.0342
4/5/2017			0.0174		
4/6/2017	0.249	0.0813		0.0204	
7/10/2017			0.0172		
7/11/2017		0.0302			0.0276
7/12/2017	0.256			0.0161	
10/2/2017					0.0274
10/3/2017		0.103			
10/4/2017	0.356		0.0162	0.0185	
1/9/2018					0.0222
1/10/2018				0.0166	
1/11/2018	0.226	0.166	0.018		
7/9/2018					0.026
7/11/2018	0.29	0.12	0.014	0.019	
1/16/2019				0.019	0.028
1/17/2019		0.039	0.017		
1/18/2019	0.21				
3/26/2019				0.026	0.034
3/27/2019	0.19	0.053	0.017		
8/27/2019		0.12	0.017	0.024	0.067
8/28/2019	0.17				
10/8/2019		0.13		0.024	0.085
10/9/2019	0.18		0.019		
4/7/2020		0.14	0.017		0.073
4/8/2020	0.15			0.027	
8/17/2020			0.018	0.024	
8/18/2020		0.12			0.028
8/19/2020	0.17				
9/28/2020				0.029	
9/29/2020		0.14	0.018		0.026
10/1/2020	0.15				
3/10/2021	0.15	0.13	0.028		
3/15/2021				0.034	
3/16/2021					0.037
9/21/2021		0.12	0.023	0.037	
9/22/2021	0.15				0.11
2/2/2022	0.15				0.1

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		0.17	0.025	0.038	
8/30/2022			0.0275		0.0773
8/31/2022		0.115		0.0379	
9/1/2022	0.151				
2/1/2023	0.128	0.146	0.0256	0.0367	
2/2/2023					0.0617
8/29/2023	0.138			0.0712	
9/6/2023		0.192	0.0273		0.0833
1/24/2024	0.134	0.146			
1/25/2024			0.0267	0.0607	0.0418
8/21/2024	0.149	0.126	0.0236	0.0526	0.0355
1/28/2025		0.132			
1/29/2025	0.163		0.0209	0.055	0.108
7/29/2025		0.111			
7/30/2025	0.173		0.019	0.0564	0.0931
1/27/2026		0.137			
1/28/2026	0.194		0.0235	0.0608	0.084
Mean	0.198	0.1086	0.02083	0.03309	0.0511
Std. Dev.	0.05936	0.0436	0.004548	0.01556	0.02944
Upper Lim.	0.2212	0.129	0.02271	0.03796	0.0773
Lower Lim.	0.1687	0.08827	0.01859	0.02502	0.0274

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	0.048	0.056		0.08	0.079
1/18/2016			0.13		
4/26/2016		0.0721			
7/27/2016	0.0487				
7/28/2016		0.0534		0.164	0.0626
7/29/2016			0.181		
9/1/2016	0.0403	0.0445	0.203	0.0976	0.077
10/25/2016	0.0329	0.0464		0.0702	0.0217
10/26/2016			0.177		
1/4/2017		0.0379		0.0999	0.0617
1/5/2017	0.0392		0.142		
4/3/2017	0.0439				
4/4/2017				0.136	0.0761
4/5/2017		0.0534	0.106		
7/11/2017	0.051			0.145	
7/12/2017		0.0944			
7/13/2017			0.0686		0.0428
10/2/2017	0.047			0.148	
10/3/2017		0.135			0.0376
10/4/2017			0.0589		
1/9/2018	0.0431				0.0704
1/10/2018		0.0603		0.0788	
1/11/2018			0.0412		
7/9/2018				0.087	
7/10/2018	0.047	0.16			0.061
7/11/2018			0.049		
1/16/2019			0.063		
1/17/2019	0.042	0.13			0.061
1/21/2019				0.069	
3/25/2019				0.085	
3/26/2019	0.047	0.14	0.025		0.084
8/27/2019	0.049				
8/28/2019		0.09	0.026	0.078	0.063
10/8/2019	0.057	0.13			0.079
10/9/2019			0.032	0.078	
4/7/2020	0.033	0.13			0.054
4/8/2020			0.055	0.19	
8/18/2020	0.03	0.32	0.074	0.38	0.18
9/30/2020	0.034	0.14	0.035	0.35	0.19
3/11/2021			0.044		
3/12/2021	0.038			0.34	
3/16/2021		0.16			0.18
9/22/2021		0.26	0.058	0.42	0.046
9/23/2021	0.062				
2/1/2022		0.23	0.055	0.36	0.24
2/3/2022	0.061				
8/30/2022				0.21	0.191
8/31/2022	0.055		0.0375		
9/1/2022		0.165			
2/1/2023		0.163	0.0262	0.194	
2/2/2023	0.0557				0.196
8/29/2023			0.0295		

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		0.143		0.178	0.232
9/7/2023	0.0573				
1/24/2024	0.0529		0.029	0.109	
1/25/2024		0.119			0.203
8/21/2024	0.0541	0.111	0.0254	0.226	
8/22/2024					0.291
1/28/2025			0.0275		
1/29/2025	0.0616	0.129		0.278	0.26
7/29/2025			0.0311	0.297	
7/30/2025	0.0553	0.105			0.172
1/27/2026	0.0775			0.301	
1/28/2026		0.12	0.0355		0.254
Mean	0.0487	0.1241	0.06662	0.1875	0.1274
Std. Dev.	0.01071	0.06513	0.05213	0.1105	0.08273
Upper Lim.	0.0537	0.1539	0.0686	0.2243	0.1499
Lower Lim.	0.04369	0.09424	0.0311	0.1273	0.07771

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
1/18/2016	0.062				
7/29/2016	0.0575				
8/31/2016	0.0693				
10/26/2016	0.0966				
1/4/2017	0.0975				
4/6/2017	0.064				
7/11/2017	0.0778				
10/4/2017	0.156				
1/11/2018	0.0702				
7/11/2018	0.12				
1/18/2019	0.052				
3/27/2019	0.057				
8/27/2019	0.097				
10/9/2019	0.065				
4/7/2020	0.1				
8/18/2020	0.085				
9/30/2020	0.045				
3/10/2021	0.049				
3/11/2021		0.076	0.047	0.03	0.037
9/21/2021	0.036				0.027
9/22/2021		0.076	0.038		
9/23/2021				0.024	
2/1/2022			0.036		
2/2/2022					0.026
2/3/2022	0.038	0.079		0.024	
8/31/2022	0.0741	0.0765		0.0216	
9/1/2022			0.0267		
2/1/2023		0.06			
2/2/2023	0.0456		0.0268	0.0253	
8/29/2023	0.127				
9/6/2023		0.0732	0.034		
9/7/2023				0.029	
1/23/2024	0.0372				
1/24/2024		0.0554			
1/25/2024			0.027	0.0233	0.0287
8/20/2024					0.0297
8/21/2024	0.0362	0.0642	0.028	0.0253	
1/28/2025	0.0297				0.0277
1/29/2025		0.0555	0.0278	0.0277	
7/29/2025	0.199	0.0554			0.0282
7/30/2025			0.0256	0.0255	
1/27/2026				0.0243	
1/28/2026	0.165	0.0549	0.0287		0.034
Mean	0.07888	0.06601	0.03142	0.02545	0.02979
Std. Dev.	0.04236	0.01014	0.006655	0.002518	0.003779
Upper Lim.	0.09309	0.0765	0.038	0.02755	0.03379
Lower Lim.	0.05729	0.0554	0.0267	0.02336	0.02578

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
8/30/2016		0.0002 (J)	<0.0005		
8/31/2016				<0.0005	0.0003 (J)
9/1/2016	0.0004 (J)				
10/26/2016	0.0001 (J)	0.0001 (J)	<0.0005	0.0003 (J)	
10/27/2016					0.0003 (J)
1/3/2017		0.0001 (J)			
1/5/2017			<0.0005	<0.0005	
1/6/2017	0.0001 (J)				0.0002 (J)
4/4/2017	0.0001 (J)			9E-05 (J)	
4/6/2017		0.0003 (J)	<0.0005		0.0003 (J)
7/12/2017	<0.0005	0.0002 (J)	<0.0005		0.0003 (J)
7/13/2017				<0.0005	
10/3/2017		0.0002 (J)	<0.0005	<0.0005	
10/4/2017	0.0001 (J)				0.0002 (J)
1/9/2018			<0.0005		
1/10/2018		0.0003 (J)		<0.0005	
1/11/2018	0.0001 (J)				0.0003 (J)
7/10/2018		0.00028 (J)	<0.0005	<0.0005	
7/11/2018	<0.0005				0.0003 (J)
7/30/2019				<0.0005	
8/27/2019	<0.0005		<0.0005	<0.0005	
8/28/2019		7.6E-05 (J)			0.00022 (J)
10/9/2019	<0.0005	<0.0005	<0.0005	<0.0005	0.00023 (J)
4/7/2020	<0.0005	<0.0005	<0.0005		
4/8/2020				8.8E-05 (J)	0.00019 (J)
8/18/2020				5.1E-05 (J)	
8/19/2020	<0.0005	<0.0005	5E-05 (J)		0.00022 (J)
9/29/2020				7.5E-05 (J)	
9/30/2020		6.5E-05 (J)	4.6E-05 (J)		
10/1/2020	<0.0005				0.0002 (J)
3/10/2021	<0.0005	8.2E-05 (J)	<0.0005		0.00019 (J)
3/15/2021				7.3E-05 (J)	
9/21/2021	<0.0005	9.9E-05 (J)	<0.0005		
9/22/2021				<0.0005	0.00017 (J)
2/2/2022	<0.0005		<0.0005	<0.0005	0.00018 (J)
2/3/2022		0.00014 (J)			
8/30/2022	<0.0005	<0.0005	<0.0005		
9/1/2022				<0.0005	<0.0005
2/1/2023		<0.0005	<0.0005		0.000215 (J)
2/2/2023	<0.0005			<0.0005	
8/29/2023	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
1/23/2024			<0.0005		
1/24/2024					<0.0005
1/25/2024				<0.0005	
2/7/2024	<0.0005				
2/8/2024		<0.0005			
8/20/2024	<0.0005		<0.0005		
8/21/2024		<0.0005		<0.0005	0.00021 (J)
1/28/2025	<0.0005		<0.0005		
1/29/2025		<0.0005		<0.0005	0.00024 (J)
7/28/2025	<0.0005				
7/29/2025			<0.0005		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
7/30/2025		<0.0005		<0.0005	0.000212 (J)
1/27/2026	<0.0005				
1/28/2026		<0.0005	<0.0005	<0.0005	0.000288 (J)
Mean	0.0004125	0.0003184	0.0004623	0.0004071	0.0002381
Std. Dev.	0.000165	0.0001819	0.0001276	0.000174	4.454E-05
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0002609
Lower Lim.	0.0004	0.00014	5E-05	0.0003	0.0002154

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-16
8/31/2016	<0.0005	0.0011 (J)	<0.0005		
9/1/2016				0.0001 (J)	0.0001 (J)
10/25/2016				<0.0005	<0.0005
10/26/2016	<0.0005	0.0011 (J)	<0.0005		
1/4/2017	<0.0005	0.0009 (J)			9E-05 (J)
1/5/2017			<0.0005	<0.0005	
4/4/2017				9E-05 (J)	
4/5/2017		0.0008 (J)			9E-05 (J)
4/6/2017	<0.0005		<0.0005		
7/10/2017		0.0008 (J)			
7/11/2017	<0.0005			<0.0005	
7/12/2017			<0.0005		<0.0005
10/2/2017				<0.0005	
10/3/2017	<0.0005				<0.0005
10/4/2017		0.0006 (J)	<0.0005		
1/9/2018				<0.0005	
1/10/2018			<0.0005		0.0001 (J)
1/11/2018	<0.0005	0.0006 (J)			
7/9/2018				6.2E-05 (J)	
7/10/2018					6E-05 (J)
7/11/2018	<0.0005	0.00061 (J)	5.8E-05 (J)		
3/26/2019			<0.0005		
8/27/2019	<0.0005	0.00047 (J)	<0.0005	<0.0005	
8/28/2019					8E-05 (J)
10/8/2019	<0.0005		<0.0005	<0.0005	9.8E-05 (J)
10/9/2019		0.00046 (J)			
4/7/2020	<0.0005	0.00051 (J)		<0.0005	<0.0005
4/8/2020			<0.0005		
8/17/2020		0.00046 (J)	<0.0005		
8/18/2020	<0.0005			<0.0005	6.8E-05 (J)
9/28/2020			<0.0005		
9/29/2020	<0.0005	0.00043 (J)		<0.0005	
9/30/2020					8.9E-05 (J)
3/10/2021	4.7E-05 (J)	0.00054			
3/15/2021			<0.0005		
3/16/2021				<0.0005	<0.0005
9/21/2021	<0.0005	0.00047 (J)	<0.0005		
9/22/2021				<0.0005	6E-05 (J)
2/1/2022					<0.0005
2/2/2022				<0.0005	
2/3/2022	<0.0005	0.00056	<0.0005		
8/30/2022		0.000663		<0.0005	
8/31/2022	<0.0005		<0.0005		
9/1/2022					<0.0005
2/1/2023	<0.0005	0.000634	<0.0005		<0.0005
2/2/2023				<0.0005	
8/29/2023			<0.0005		
9/6/2023	<0.0005	0.000521		<0.0005	<0.0005
1/24/2024	<0.0005				
1/25/2024		0.000534	<0.0005	<0.0005	<0.0005
8/21/2024	<0.0005	0.000587	<0.0005	<0.0005	<0.0005
1/28/2025	<0.0005				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-16
1/29/2025		0.000576	<0.0005	<0.0005	<0.0005
7/29/2025	<0.0005				
7/30/2025		0.000339 (J)	<0.0005	<0.0005	<0.0005
1/27/2026	<0.0005				
1/28/2026		0.000517	<0.0005	<0.0005	<0.0005
Mean	0.0004811	0.0006159	0.0004823	0.000448	0.0003265
Std. Dev.	9.247E-05	0.0001946	8.84E-05	0.0001407	0.00021
Upper Lim.	0.0005	0.0006986	0.0005	0.0005	0.0005
Lower Lim.	4.7E-05	0.0005143	5.8E-05	0.0001	9E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-22	MW-25D	MW-26D
8/31/2016		0.0002 (J)		
9/1/2016	0.0014 (J)			
10/26/2016	0.0016 (J)	0.0002 (J)		
1/4/2017		0.0001 (J)		
1/5/2017	0.0019 (J)			
4/5/2017	0.0024 (J)			
4/6/2017		<0.0005		
7/11/2017		<0.0005		
7/13/2017	0.0034			
10/4/2017	0.0037	0.0001 (J)		
1/11/2018	0.0033	<0.0005		
7/11/2018	0.0038	7E-05 (J)		
8/27/2019		9E-05 (J)		
8/28/2019	0.0017 (J)			
10/9/2019	0.0018 (J)	<0.0005		
4/7/2020		<0.0005		
4/8/2020	0.0017 (J)			
8/18/2020	0.0016 (J)	7.6E-05 (J)		
9/30/2020	0.0013 (J)	<0.0005		
3/10/2021		<0.0005		
3/11/2021	0.0012		8.4E-05 (J)	0.0001 (J)
9/21/2021		<0.0005		7.3E-05 (J)
9/22/2021	0.0017			
9/23/2021			<0.0005	
2/1/2022	0.002			
2/2/2022				8.8E-05 (J)
2/3/2022		<0.0005	<0.0005	
8/31/2022	0.00258	<0.0005	<0.0005	
2/1/2023	0.00206			
2/2/2023		<0.0005	<0.0005	
8/29/2023	0.00174	<0.0005		
9/7/2023			<0.0005	
1/23/2024		<0.0005		
1/24/2024	0.00158			
1/25/2024			<0.0005	<0.0005
8/20/2024				<0.0005
8/21/2024	0.00186	<0.0005	<0.0005	
1/28/2025	0.00148	<0.0005		<0.0005
1/29/2025			<0.0005	
7/29/2025	0.00164	<0.0005		<0.0005
7/30/2025			<0.0005	
1/27/2026			<0.0005	
1/28/2026	0.00243	<0.0005		<0.0005
Mean	0.002078	0.000389	0.0004622	0.0003451
Std. Dev.	0.0007551	0.000179	0.0001254	0.0002139
Upper Lim.	0.002368	0.0005	0.0005	0.0005
Lower Lim.	0.001677	0.0002	0.0005	7.3E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-1	GWC-11	GWC-14	GWC-20
8/30/2016		<0.001			
8/31/2016			0.0002 (J)		
9/1/2016	0.0002 (J)			0.0001 (J)	<0.001
10/25/2016		<0.001		0.0002 (J)	<0.001
10/26/2016	<0.001		0.0001 (J)		
1/4/2017		0.0001 (J)	0.0001 (J)		<0.001
1/5/2017				0.0002 (J)	
1/6/2017	9E-05 (J)				
4/4/2017	9E-05 (J)	7E-05 (J)		0.0002 (J)	<0.001
4/6/2017			0.0002 (J)		
7/11/2017			<0.001	0.0002 (J)	<0.001
7/12/2017	<0.001	<0.001			
10/2/2017				<0.001	<0.001
10/3/2017		<0.001	0.0003 (J)		
10/4/2017	<0.001				
1/9/2018				<0.001	
1/10/2018		<0.001			<0.001
1/11/2018	0.0002 (J)		0.0006 (J)		
7/9/2018				0.00017 (J)	<0.001
7/10/2018		<0.001			
7/11/2018	<0.001		0.0004 (J)		
1/16/2019		<0.001			
8/27/2019	<0.001	<0.001	0.00044 (J)	<0.001	
8/28/2019					<0.001
10/8/2019			0.00043 (J)	<0.001	
10/9/2019	<0.001	<0.001			<0.001
4/7/2020	<0.001	<0.001	0.00051 (J)	<0.001	
4/8/2020					<0.001
8/18/2020			0.00058 (J)	<0.001	<0.001
8/19/2020	<0.001	<0.001			
9/28/2020		<0.001			
9/29/2020			0.00077 (J)	0.00012 (J)	
9/30/2020					<0.001
10/1/2020	<0.001				
3/10/2021	<0.001	<0.001	0.0009		
3/12/2021					0.00018 (J)
3/16/2021				<0.001	
9/21/2021	<0.001		0.00036 (J)		
9/22/2021				<0.001	0.00013 (J)
9/23/2021		<0.001			
2/1/2022					0.0002 (J)
2/2/2022	<0.001			<0.001	
2/3/2022		<0.001	0.00019 (J)		
8/30/2022	<0.001			<0.001	<0.001
8/31/2022			0.000431 (J)		
9/1/2022		<0.001			
2/1/2023			0.000926 (J)		<0.001
2/2/2023	<0.001	<0.001		<0.001	
8/29/2023	0.000304 (J)	<0.001			
9/6/2023			0.000563 (J)	<0.001	0.000823 (J)
1/23/2024		<0.001			
1/24/2024			0.000456 (J)		<0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWC-1	GWC-11	GWC-14	GWC-20
1/25/2024				<0.001	
2/7/2024	<0.001				
8/20/2024	<0.001	<0.001			
8/21/2024			<0.001	<0.001	<0.001
1/28/2025	<0.001		0.000415 (J)		
1/29/2025		<0.001		<0.001	<0.001
7/28/2025	<0.001				
7/29/2025		<0.001	0.000363 (J)		0.000661 (J)
7/30/2025				<0.001	
1/27/2026	<0.001	<0.001	0.000573 (J)		<0.001
1/28/2026				<0.001	
Mean	0.0008285	0.0009268	0.0004503	0.0007579	0.0008748
Std. Dev.	0.0003436	0.0002534	0.0002175	0.000386	0.0002828
Upper Lim.	0.001	0.001	0.0005613	0.001	0.001
Lower Lim.	0.000304	0.0001	0.0003393	0.0002	0.000823

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-25D	MW-26D
8/31/2016	8E-05 (J)			
10/26/2016	<0.001			
1/4/2017	0.0001 (J)			
4/6/2017	0.0001 (J)			
7/11/2017	<0.001			
10/4/2017	0.0002 (J)			
1/11/2018	0.0002 (J)			
7/11/2018	0.00023 (J)			
8/27/2019	<0.001			
10/9/2019	0.00012 (J)			
4/7/2020	0.00054 (J)			
8/18/2020	0.00024 (J)			
9/30/2020	0.00024 (J)			
3/10/2021	<0.001			
3/11/2021		<0.001	0.00019 (J)	0.00029 (J)
9/21/2021	<0.001			<0.001
9/22/2021		0.00027 (J)		
9/23/2021			<0.001	
2/2/2022				<0.001
2/3/2022	<0.001	<0.001	<0.001	
8/31/2022	<0.001	<0.001	<0.001	
2/1/2023		<0.001		
2/2/2023	<0.001		<0.001	
8/29/2023	<0.001			
9/6/2023		<0.001		
9/7/2023			<0.001	
1/23/2024	<0.001			
1/24/2024		<0.001		
1/25/2024			<0.001	0.000616 (J)
8/20/2024				<0.001
8/21/2024	<0.001	<0.001	<0.001	
1/28/2025	<0.001			<0.001
1/29/2025		<0.001	<0.001	
7/29/2025	<0.001	<0.001		<0.001
7/30/2025			<0.001	
1/27/2026			<0.001	
1/28/2026	<0.001	<0.001		<0.001
Mean	0.0006688	0.0009336	0.0009264	0.0008633
Std. Dev.	0.000409	0.0002201	0.0002442	0.0002678
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.00023	0.001	0.001	0.00029

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.01	<0.01
1/18/2016	0.014	<0.01	0.0011 (J)		
7/27/2016		0.0006 (J)		0.0016 (J)	0.0008 (J)
7/28/2016			0.001 (J)		
7/29/2016	0.0077 (J)				
8/30/2016		<0.01	0.0013 (J)	0.0015 (J)	
8/31/2016					<0.01
9/1/2016	0.015				
10/25/2016				0.0018 (J)	
10/26/2016	0.0106	<0.01	0.0014 (J)		0.001 (J)
1/3/2017		0.001 (J)			
1/4/2017				0.0021 (J)	
1/5/2017			0.002 (J)		<0.01
1/6/2017	0.0098 (J)				
4/4/2017	0.0101			0.002 (J)	0.0008 (J)
4/6/2017		0.0013 (J)	0.0034 (J)		
7/12/2017	0.0096 (J)	0.0011 (J)	0.0024 (J)	0.0021 (J)	
7/13/2017					0.0006 (J)
10/3/2017		0.0012 (J)	0.0022 (J)	0.0014 (J)	<0.01
10/4/2017	0.0097 (J)				
1/9/2018			0.0019 (J)		
1/10/2018		0.0016 (J)		0.0017 (J)	<0.01
1/11/2018	0.0109				
7/10/2018		0.0055 (J)	0.0023 (J)	0.0021 (J)	<0.01
7/11/2018	0.0055 (J)				
1/16/2019	0.0024 (J)	<0.01	0.018 (J)	0.0021 (J)	
1/21/2019					<0.01
3/25/2019	0.002 (J)				
3/26/2019		0.072	0.017 (J)	0.0018 (J)	
7/30/2019					0.00065 (J)
8/27/2019	0.0027 (J)		0.0097 (J)	0.0062 (J)	<0.01
8/28/2019		0.0071 (J)			
10/9/2019	0.002 (J)	0.012 (J)	0.011 (J)	0.0019 (J)	0.00049 (J)
4/7/2020	0.0028 (J)	0.0022 (J)	0.0094 (J)	0.0015 (J)	
4/8/2020					0.00069 (J)
8/18/2020					<0.01
8/19/2020	0.0022 (J)	0.0012 (J)	0.0037 (J)	0.0028 (J)	
9/28/2020				0.0024 (J)	
9/29/2020					<0.01
9/30/2020		0.0018 (J)	0.0045 (J)		
10/1/2020	0.002 (J)				
3/10/2021	0.003 (J)	0.001 (J)	0.006	0.0023 (J)	
3/15/2021					0.0011 (J)
9/21/2021	0.0018 (J)	<0.01	0.0035 (J)		
9/22/2021					<0.01
9/23/2021				0.0023 (J)	
2/2/2022	0.003 (J)		0.0033 (J)		<0.01
2/3/2022		0.0014 (J)		0.0019 (J)	
8/30/2022	<0.01	<0.01	0.00356 (J)		
9/1/2022				<0.01	<0.01
2/1/2023		0.00655 (J)	0.00365 (J)		
2/2/2023	0.00502 (J)			<0.01	<0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.00389 (J)	<0.01	0.00349 (J)	0.00337 (J)	<0.01
1/23/2024			0.00402 (J)	<0.01	
1/25/2024					<0.01
2/7/2024	0.00352 (J)				
2/8/2024		0.0147			
8/20/2024	0.00544 (J)		0.00339 (J)	<0.01	
8/21/2024		0.00542 (J)			<0.01
1/28/2025	0.00332 (J)		0.0038 (J)		
1/29/2025		<0.01		<0.01	<0.01
7/28/2025	0.00648 (J)				
7/29/2025			0.00477 (J)	0.0032 (J)	
7/30/2025		<0.01			<0.01
1/27/2026	0.0056 (J)			<0.01	
1/28/2026		<0.01	0.00499 (J)		<0.01
Mean	0.005895	0.008488	0.004885	0.004217	0.007362
Std. Dev.	0.003866	0.01319	0.004347	0.003515	0.004249
Upper Lim.	0.007114	0.01	0.005684	0.0062	0.01
Lower Lim.	0.003792	0.0014	0.002714	0.0019	0.0011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.0012 (J)
1/18/2016	<0.01		<0.01	<0.01	
1/19/2016		<0.01			
4/26/2016					<0.01
7/26/2016		0.0005 (J)		<0.01	
7/27/2016			0.0014 (J)		0.0008 (J)
7/28/2016	0.0011 (J)				
8/31/2016	0.0024 (J)	0.001 (J)	0.0012 (J)	0.0011 (J)	
9/1/2016					0.0015 (J)
10/25/2016					<0.01
10/26/2016		<0.01	0.0012 (J)	<0.01	
10/27/2016	<0.01				
1/4/2017		<0.01	0.0012 (J)		
1/5/2017				<0.01	0.001 (J)
1/6/2017	<0.01				
4/4/2017					0.001 (J)
4/5/2017			0.0013 (J)		
4/6/2017	0.0019 (J)	0.0007 (J)		0.0011 (J)	
7/10/2017			0.0014 (J)		
7/11/2017		0.0006 (J)			0.0008 (J)
7/12/2017	0.0011 (J)			0.0007 (J)	
10/2/2017					0.0009 (J)
10/3/2017		0.0007 (J)			
10/4/2017	0.0011 (J)		0.0011 (J)	0.0008 (J)	
1/9/2018					0.0006 (J)
1/10/2018				0.0007 (J)	
1/11/2018	0.001 (J)	0.0098 (J)	0.001 (J)		
7/9/2018					<0.01
7/11/2018	<0.01	<0.01	<0.01	0.0019 (J)	
1/16/2019				<0.01	<0.01
1/17/2019		<0.01	0.0028 (J)		
1/18/2019	<0.01				
3/26/2019				<0.01	<0.01
3/27/2019	<0.01	<0.01	<0.01		
8/27/2019		0.00092 (J)	0.00085 (J)	<0.01	0.001 (J)
8/28/2019	0.00089 (J)				
10/8/2019		0.00091 (J)		<0.01	0.00053 (J)
10/9/2019	0.0009 (J)		0.00081 (J)		
4/7/2020		0.00094 (J)	0.00082 (J)		0.00074 (J)
4/8/2020	0.0015 (J)			0.00058 (J)	
8/17/2020			0.001 (J)	0.00077 (J)	
8/18/2020		0.0015 (J)			0.00059 (J)
8/19/2020	0.0013 (J)				
9/28/2020				0.00062 (J)	
9/29/2020		0.0011 (J)	0.00085 (J)		<0.01
10/1/2020	0.0012 (J)				
3/10/2021	0.0011 (J)	0.0013 (J)	0.00091 (J)		
3/15/2021				<0.01	
3/16/2021					<0.01
9/21/2021		<0.01	<0.01	<0.01	
9/22/2021	<0.01				<0.01
2/2/2022	0.0012 (J)				<0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		0.0011 (J)	0.0018 (J)	<0.01	
8/30/2022			<0.01		<0.01
8/31/2022		<0.01		<0.01	
9/1/2022	<0.01				
2/1/2023	<0.01	<0.01	<0.01	<0.01	
2/2/2023					<0.01
8/29/2023	<0.01			<0.01	
9/6/2023		<0.01	<0.01		<0.01
1/24/2024	<0.01	<0.01			
1/25/2024			<0.01	<0.01	<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	<0.01
1/28/2025		<0.01			
1/29/2025	<0.01		<0.01	<0.01	<0.01
7/29/2025		<0.01			
7/30/2025	<0.01		<0.01	<0.01	<0.01
1/27/2026		<0.01			
1/28/2026	<0.01		<0.01	<0.01	<0.01
Mean	0.005953	0.00611	0.004987	0.007081	0.00623
Std. Dev.	0.004436	0.004564	0.004436	0.004325	0.00457
Upper Lim.	0.01	0.01	0.01	0.01	0.01
Lower Lim.	0.0012	0.001	0.0011	0.0011	0.001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	<0.01	<0.01		<0.01	<0.01
1/18/2016			<0.01		
4/26/2016		<0.01			
7/27/2016	0.0007 (J)				
7/28/2016		0.0006 (J)		0.0007 (J)	0.0005 (J)
7/29/2016			0.0009 (J)		
9/1/2016	0.0011 (J)	0.0011 (J)	0.0011 (J)	<0.01	<0.01
10/25/2016	<0.01	<0.01		<0.01	<0.01
10/26/2016			<0.01		
1/4/2017		<0.01		<0.01	<0.01
1/5/2017	<0.01		0.0012 (J)		
4/3/2017	0.0015 (J)				
4/4/2017				0.0011 (J)	0.0008 (J)
4/5/2017		0.001 (J)	0.0015 (J)		
7/11/2017	0.0013 (J)			0.0009 (J)	
7/12/2017		0.0011 (J)			
7/13/2017			0.0012 (J)		0.0006 (J)
10/2/2017	0.0013 (J)			0.0009 (J)	
10/3/2017		0.0009 (J)			0.0005 (J)
10/4/2017			0.0055 (J)		
1/9/2018	0.0012 (J)				0.0007 (J)
1/10/2018		0.0007 (J)		0.0008 (J)	
1/11/2018			0.0009 (J)		
7/9/2018				<0.01	
7/10/2018	<0.01	<0.01			<0.01
7/11/2018			<0.01		
1/16/2019			<0.01		
1/17/2019	<0.01	0.01 (J)			0.01
1/21/2019				<0.01	
3/25/2019				<0.01	
3/26/2019	<0.01	<0.01	<0.01		<0.01
8/27/2019	0.0016 (J)				
8/28/2019		0.0011 (J)	0.0013 (J)	0.00089 (J)	0.00087 (J)
10/8/2019	0.0017 (J)	0.00099 (J)			0.00065 (J)
10/9/2019			0.00081 (J)	0.0011 (J)	
4/7/2020	0.0014 (J)	<0.01			<0.01
4/8/2020			0.00073 (J)	0.001 (J)	
8/18/2020	0.0018 (J)	0.0012 (J)	0.0011 (J)	0.0011 (J)	0.0012 (J)
9/30/2020	0.0016 (J)	0.00098 (J)	0.00096 (J)	0.0013 (J)	0.00067 (J)
3/11/2021			0.0009 (J)		
3/12/2021	0.0031 (J)			0.0014 (J)	
3/16/2021		0.0012 (J)			0.00075 (J)
9/22/2021		0.0018 (J)	<0.01	0.0013 (J)	<0.01
9/23/2021	0.0013 (J)				
2/1/2022		<0.01	0.0014 (J)	0.0036 (J)	<0.01
2/3/2022	0.0016 (J)				
8/30/2022				<0.01	<0.01
8/31/2022	<0.01		<0.01		
9/1/2022		<0.01			
2/1/2023		<0.01	<0.01	0.00503 (J)	
2/2/2023	<0.01				<0.01
8/29/2023			<0.01		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		<0.01		<0.01	<0.01
9/7/2023	<0.01				
1/24/2024	<0.01		<0.01	<0.01	
1/25/2024		<0.01			<0.01
8/21/2024	<0.01	<0.01	<0.01	<0.01	
8/22/2024					<0.01
1/28/2025			<0.01		
1/29/2025	<0.01	<0.01		<0.01	<0.01
7/29/2025			<0.01	<0.01	
7/30/2025	<0.01	<0.01			<0.01
1/27/2026	<0.01			<0.01	
1/28/2026		<0.01	<0.01		<0.01
Mean	0.005757	0.006299	0.005696	0.005754	0.006687
Std. Dev.	0.004337	0.004487	0.004461	0.004408	0.004528
Upper Lim.	0.01	0.01	0.01	0.01	0.01
Lower Lim.	0.0015	0.0011	0.0011	0.0011	0.0008

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-24D	MW-25D	MW-26D
1/18/2016	<0.01			
7/29/2016	0.0007 (J)			
8/31/2016	<0.01			
10/26/2016	<0.01			
1/4/2017	<0.01			
4/6/2017	0.0006 (J)			
7/11/2017	0.0005 (J)			
10/4/2017	0.0006 (J)			
1/11/2018	<0.01			
7/11/2018	<0.01			
1/18/2019	<0.01			
3/27/2019	<0.01			
8/27/2019	0.00057 (J)			
10/9/2019	0.00072 (J)			
4/7/2020	0.00049 (J)			
8/18/2020	0.00056 (J)			
9/30/2020	0.00064 (J)			
3/10/2021	<0.01			
3/11/2021		0.00069 (J)	0.0016 (J)	0.002 (J)
9/21/2021	<0.01			<0.01
9/22/2021		<0.01		
9/23/2021			<0.01	
2/1/2022		<0.01		
2/2/2022				<0.01
2/3/2022	<0.01		<0.01	
8/31/2022	<0.01		<0.01	
9/1/2022		<0.01		
2/2/2023	<0.01	<0.01	<0.01	
8/29/2023	<0.01			
9/6/2023		<0.01		
9/7/2023			<0.01	
1/23/2024	<0.01			
1/25/2024		<0.01	<0.01	<0.01
8/20/2024				<0.01
8/21/2024	<0.01	<0.01	<0.01	
1/28/2025	<0.01			<0.01
1/29/2025		<0.01	<0.01	
7/29/2025	<0.01			<0.01
7/30/2025		<0.01	<0.01	
1/27/2026			<0.01	
1/28/2026	<0.01	<0.01		<0.01
Mean	0.006978	0.009154	0.009236	0.009
Std. Dev.	0.004472	0.002807	0.002533	0.002828
Upper Lim.	0.01	0.01	0.01	0.01
Lower Lim.	0.0007	0.01	0.01	0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
8/30/2016		<0.005	<0.01		
8/31/2016				<0.001	0.0021 (J)
9/1/2016	0.0024 (J)				
10/26/2016	0.0011 (J)	<0.005	<0.01	0.0011 (J)	
10/27/2016					0.0017 (J)
1/3/2017		<0.005			
1/5/2017			<0.01	<0.001	
1/6/2017	0.001 (J)				0.0017 (J)
4/4/2017	0.001 (J)			<0.001	
4/6/2017		<0.005	<0.01		0.0017 (J)
7/12/2017	0.0008 (J)	<0.005	<0.01		0.0016 (J)
7/13/2017				0.0003 (J)	
10/3/2017		<0.005	<0.01	0.0003 (J)	
10/4/2017	0.001 (J)				0.0015 (J)
1/9/2018			<0.01		
1/10/2018		0.0004 (J)		<0.001	
1/11/2018	0.0008 (J)				0.0017 (J)
7/10/2018		0.002 (J)	<0.01	<0.001	
7/11/2018	<0.005				0.0017 (J)
7/30/2019				0.00032 (J)	
8/27/2019	0.0011 (J)		0.00038 (J)	<0.001	
8/28/2019		0.0024 (J)			0.00099 (J)
10/9/2019	0.0015 (J)	0.0037 (J)	<0.025	<0.001	0.00099 (J)
4/7/2020	0.0009 (J)	0.00053 (J)	<0.025		
4/8/2020				0.00036 (J)	0.001 (J)
8/18/2020				<0.001	
8/19/2020	0.00072 (J)	<0.005	<0.005		0.0011 (J)
9/29/2020				<0.001	
9/30/2020		0.00056 (J)	<0.005		
10/1/2020	0.0005 (J)				0.00099 (J)
3/10/2021	0.00069 (J)	0.0057	<0.005		0.00096 (J)
3/15/2021				<0.001	
9/21/2021	<0.005	0.019	0.0049 (J)		
9/22/2021				<0.001	0.00082 (J)
11/10/2021		0.041			
2/2/2022	0.0027 (J)		0.07	<0.001	0.00096 (J)
2/3/2022		0.019			
8/30/2022	0.00198	0.00401	0.0476		
9/1/2022				<0.001	0.00093 (J)
2/1/2023		0.00291	0.0228		0.00083 (J)
2/2/2023	0.00937			<0.001	
8/29/2023	0.0122	0.00139	0.0709	<0.001	0.000744 (J)
1/23/2024			0.0222		
1/24/2024					0.000899 (J)
1/25/2024				<0.001	
2/7/2024	0.0126				
2/8/2024		0.00521			
8/20/2024	0.00204		0.0368		
8/21/2024		0.00156		<0.001	0.00096 (J)
1/28/2025	0.0131		0.021		
1/29/2025		0.000703 (J)		<0.001	0.000944 (J)
7/28/2025	0.00252				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-2	GWC-9
7/29/2025			0.0285		
7/30/2025		0.000888 (J)		<0.001	0.00104
1/27/2026	0.0111				
1/28/2026		0.00108	0.0321	<0.001	0.00109
Mean	0.003588	0.005882	0.0391	0.0008952	0.001206
Std. Dev.	0.004335	0.008728	0.01963	0.0002572	0.0003856
Upper Lim.	0.0027	0.003306	0.0568	0.001	0.0016
Lower Lim.	0.0009	0.001085	0.02159	0.00036	0.000944

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-17	GWC-22
8/31/2016	<0.001	0.0018 (J)			0.001 (J)
9/1/2016			<0.001	0.0046 (J)	
10/25/2016			<0.001		
10/26/2016	<0.001	0.0016 (J)		0.0046 (J)	0.0009 (J)
1/4/2017	<0.001	0.0014 (J)			0.0007 (J)
1/5/2017			<0.001	0.0062 (J)	
4/4/2017			<0.001		
4/5/2017		0.0013 (J)		0.007 (J)	
4/6/2017	<0.001				<0.001
7/10/2017		0.0013 (J)			
7/11/2017	<0.001		0.0003 (J)		<0.001
7/13/2017				0.0077 (J)	
10/2/2017			<0.001		
10/3/2017	<0.001				
10/4/2017		0.0011 (J)		0.0073 (J)	0.0007 (J)
1/9/2018			<0.001		
1/11/2018	0.0003 (J)	0.0011 (J)		0.0061 (J)	<0.001
7/9/2018			<0.001		
7/11/2018	<0.001	0.00096 (J)		0.0064 (J)	<0.001
8/27/2019	<0.001	0.0009 (J)	<0.001		0.00077 (J)
8/28/2019				0.0023 (J)	
10/8/2019	<0.001		<0.001		
10/9/2019		0.00094 (J)		0.0024 (J)	<0.001
4/7/2020	<0.001	0.00077 (J)	<0.001		0.00037 (J)
4/8/2020				0.0024 (J)	
8/17/2020		0.0006 (J)			
8/18/2020	0.0004 (J)		<0.001	0.0025 (J)	<0.001
9/29/2020	0.00055 (J)	0.00057 (J)	<0.001		
9/30/2020				0.0018 (J)	<0.001
3/10/2021	0.00082 (J)	0.00071 (J)			<0.001
3/11/2021				0.0019 (J)	
3/16/2021			<0.001		
9/21/2021	<0.001	0.00065 (J)			<0.001
9/22/2021			<0.001	0.0028 (J)	
2/1/2022				0.0036 (J)	
2/2/2022			<0.001		
2/3/2022	<0.001	0.00072 (J)			<0.001
8/30/2022		0.000786 (J)	<0.001		
8/31/2022	0.000646 (J)			0.00358	<0.001
2/1/2023	0.00118	0.000753 (J)		0.00265	
2/2/2023			<0.001		<0.001
8/29/2023				0.00268	0.000817 (J)
9/6/2023	0.000794 (J)	0.000732 (J)	<0.001		
1/23/2024					<0.001
1/24/2024	0.000522 (J)			0.00264	
1/25/2024		0.000751 (J)	<0.001		
8/21/2024	<0.001	0.000768 (J)	<0.001	0.00256	<0.001
1/28/2025	0.000527 (J)			0.00242	<0.001
1/29/2025		0.000647 (J)	<0.001		
7/29/2025	0.000469 (J)			0.00264	0.00105
7/30/2025		0.000595 (J)	<0.001		
1/27/2026	0.000904 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-17	GWC-22
1/28/2026		0.000645 (J)	<0.001	0.00381	0.0005 (J)
Mean	0.000838	0.0009207	0.0009708	0.003858	0.0009086
Std. Dev.	0.0002466	0.0003373	0.0001429	0.001888	0.0001776
Upper Lim.	0.001	0.001061	0.001	0.004385	0.001
Lower Lim.	0.00055	0.0007429	0.0003	0.002754	0.000817

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		1.81	2.19	2.36	
8/31/2016					1.01
9/1/2016	5.27				
10/25/2016				2.02	
10/26/2016	2.32	2.03	2.67		0.725
1/3/2017		1.85			
1/4/2017				2.1	
1/5/2017			3.74		0.735
1/6/2017	5.1				
4/4/2017	5			1.39	0.87
4/6/2017		2.66	2.36		
7/12/2017	2.69	2.1	1.54	1.63	
7/13/2017					0.42 (U)
10/3/2017		2	3.63	1.84	0.995 (U)
10/4/2017	4.82				
1/9/2018			2.07		
1/10/2018		2.55		2.11	0.698 (U)
1/11/2018	4.48				
7/10/2018		3.14	1.63	1.29	1.01
7/11/2018	2.69				
8/27/2019	2.97		4.63	2.41	0.787 (U)
8/28/2019		3.74			
10/9/2019	2.17	7.23	5.45	3.13	0.22 (U)
4/7/2020	2.44	3.57	6.25	1.97	
4/8/2020					1.13 (U)
8/18/2020					1.09 (U)
8/19/2020	3.1	2.49	4.53	1.91	
9/28/2020				1.29	
9/29/2020					1 (U)
9/30/2020		4.45	6.39		
10/1/2020	2.6				
3/10/2021	2.11	4.67	4.61	1.7	
3/15/2021					0.804 (U)
9/21/2021	2.45	3.1	5.07		
9/22/2021					0.769 (U)
9/23/2021				1.48	
2/2/2022	3.17		4.79		0.854 (U)
2/3/2022		2.65		1	
8/30/2022	5.57	3.36	3.2		
9/1/2022				0.911 (U)	2.09
2/1/2023		3.28	4.93		
2/2/2023	5.79			3.54	1.11 (U)
8/29/2023	3.86	1.63	8.19	2.65	2.49
1/23/2024			8.24	2.9	
1/25/2024					1.99
2/7/2024	5.48				
2/8/2024		6.35			
8/20/2024	7.26		6.12	0.492 (U)	
8/21/2024		2.85			2.07
1/28/2025	6.75		7.86		
1/29/2025		3.5		2.2	0.453 (U)
7/28/2025	6.49				

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
7/29/2025			10	1.92	
7/30/2025		5.23			2.45
1/27/2026	6.14			1.49 (U)	
1/28/2026		4.21	7.3		2.35
Mean	4.197	3.352	4.891	1.906	1.172
Std. Dev.	1.657	1.428	2.315	0.7122	0.6739
Upper Lim.	5.042	4.081	6.073	2.269	1.429
Lower Lim.	3.351	2.623	3.71	1.542	0.7872

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	3.3	2.2	2.61	1.23	
9/1/2016					1.28
10/25/2016					1.54
10/26/2016		1.96	3.28	0.641	
10/27/2016	2.7				
1/4/2017		1.88	3.77		
1/5/2017				0.657	0.715
1/6/2017	4.45				
4/4/2017					0.699
4/5/2017			3.25		
4/6/2017	3.1	0.893 (U)		0.439	
7/10/2017			1.55		
7/11/2017		1.89			1.12
7/12/2017	2.73			0.414 (U)	
10/2/2017					0.855 (U)
10/3/2017		4.73			
10/4/2017	8.16		1.68	1.33	
1/9/2018					0.861 (U)
1/10/2018				1.21	
1/11/2018	2.31	7.49	2.94		
7/9/2018					0.693 (U)
7/11/2018	3.31	5.88	2.03	1.4	
8/27/2019		5.09	2.09	1.27	1.32
8/28/2019	1.91				
10/8/2019		6.39		1.62	1.41
10/9/2019	3.09		3.11		
4/7/2020		7.87	2.18		1.41
4/8/2020	1.92			1.08	
8/17/2020			2.25	1.42	
8/18/2020		6.76			0.731 (U)
8/19/2020	2.34				
9/28/2020				1.28	
9/29/2020		8.3	0.845 (U)		0.331 (U)
10/1/2020	3.3				
3/10/2021	2.08	7.55	1.77		
3/15/2021				0.769 (U)	
3/16/2021					0.0831 (U)
9/21/2021		4.35	1.24 (U)	2.09	
9/22/2021	2.08				1.94 (U)
2/2/2022	0.967 (U)				0.881 (U)
2/3/2022		4.04	0.957	1.18	
8/30/2022			3.37		2.62
8/31/2022		6.34		1.9	
9/1/2022	2.35				
2/1/2023	4.17	5.87	2.07	2.85	
2/2/2023					1.31 (U)
8/29/2023	1.44			2.36	
9/6/2023		9.23	2.02		0.609 (U)
1/24/2024	1.36 (U)	7.06			
1/25/2024			0.675 (U)	2.37	0.586 (U)
8/21/2024	2.54	5.48	2.54	1.23 (U)	0.715 (U)
1/28/2025		2.64			

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/29/2025	2.76		2.67	2.56	1.05 (U)
7/29/2025		3.35			
7/30/2025	3.25		2.02	5.81	1.06 (U)
1/27/2026		11			
1/28/2026	1.67		3.45	2.89	0.959 (U)
Mean	2.804	5.343	2.265	1.667	1.032
Std. Dev.	1.42	2.628	0.8616	1.137	0.5315
Upper Lim.	3.331	6.684	2.705	2.052	1.304
Lower Lim.	2.081	4.003	1.826	1.069	0.7612

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/1/2016	2.45	1.99	5.19	2.21	1.05
10/25/2016	1.04	1.98		1.51	1.2
10/26/2016			4.25		
1/4/2017		1.72		2.56	2.11
1/5/2017	1.36		3.55		
4/3/2017	0.697				
4/4/2017				1.77	2.02
4/5/2017		1.72	4.39		
7/11/2017	0.754 (U)			2.76	
7/12/2017		1.11			
7/13/2017			2.44		0.576 (U)
10/2/2017	1.52			4.15	
10/3/2017		2.13			0.86 (U)
10/4/2017			4.95		
1/9/2018	1.17				1.43
1/10/2018		1.74		1.96	
1/11/2018			3.53		
7/9/2018				1.11	
7/10/2018	1.26	1.97			1.63
7/11/2018			3.13		
8/27/2019	1.75				
8/28/2019		2.04	2.01	1.13 (U)	1.4 (U)
10/8/2019	1.52	1.89			1.88
10/9/2019			2.91	2.28	
4/7/2020	1.82	4.17			1.8
4/8/2020			2.79	4.19	
8/18/2020	1.84	4.24	3.11	6.86	3.27
9/30/2020	2.14	2.47	3.09	5.62	3.83
3/11/2021			2.77		
3/12/2021	0.607 (U)			5.17	
3/16/2021		2.15			2.88
9/22/2021		3.06	2.36	6.84	0.959 (U)
9/23/2021	1.64				
2/1/2022		2.73	2.51	5.11	2.51
2/3/2022	0.58 (U)				
8/30/2022				4.95	2.56
8/31/2022	2.88		2.72		
9/1/2022		1.64 (U)			
2/1/2023		3.17	2.83	5.77	
2/2/2023	3.14				3.73
8/29/2023			2.77		
9/6/2023		3.42		2.12	4.2
9/7/2023	2.28				
1/24/2024	0.775 (U)		0.437 (U)	1.78	
1/25/2024		4			4.12
8/21/2024	2.48	3.92	2.46	4.17	
8/22/2024					4.52
1/28/2025			1.17 (U)		
1/29/2025	1.92	3.73		3.27	6.55
7/29/2025			1.45 (U)	4.59	
7/30/2025	2.37	4.67			5.11
1/27/2026	4.15			6.57	

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/28/2026		6.52	2.89		7.44
Mean	1.756	2.841	2.904	3.685	2.818
Std. Dev.	0.8829	1.276	1.09	1.875	1.815
Upper Lim.	2.206	3.492	3.461	4.642	3.744
Lower Lim.	1.305	2.19	2.348	2.729	1.892

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
8/31/2016	5.96				
10/26/2016	7.42				
1/4/2017	6.07				
4/6/2017	3				
7/11/2017	4.2				
10/4/2017	7.16				
1/11/2018	3.57				
7/11/2018	7.57				
8/27/2019	7.04				
10/9/2019	3.68				
4/7/2020	7.66				
8/18/2020	7.65				
9/30/2020	2.79				
3/10/2021	2.53				
3/11/2021		1.55	1.29	0.353 (U)	0.783 (U)
9/21/2021	1.25 (U)				0.815 (U)
9/22/2021		1.4	0.982 (U)		
9/23/2021				1.15	
2/1/2022			0.36 (U)		
2/2/2022					0.249 (U)
2/3/2022	1.4	1.21		0.278 (U)	
8/31/2022	3.07	1.79		0.645 (U)	
9/1/2022			3.54		
2/1/2023		2.44			
2/2/2023	4.13		2.52 (U)	2.98	
8/29/2023	11.3				
9/6/2023		3.47	1.73		
9/7/2023				1.75	
1/23/2024	6.54				
1/24/2024		1.3 (U)			
1/25/2024			1.68	1.04 (U)	1.64 (U)
8/20/2024					1.84
8/21/2024	2.35	0.517 (U)	3.94	1.22 (U)	
1/28/2025	5.68				1.45 (U)
1/29/2025		0.997 (U)	1.6 (U)	1.51 (U)	
7/29/2025	11.5	3.24			2.5
7/30/2025			1.1 (U)	2.48	
1/27/2026				5.11	
1/28/2026	8.86	1.85 (U)	0.718 (U)		0.897 (U)
Mean	5.516	1.797	1.769	1.683	1.272
Std. Dev.	2.864	0.9158	1.133	1.408	0.7204
Upper Lim.	6.977	2.56	2.713	2.857	2.035
Lower Lim.	4.054	1.034	0.8249	0.5099	0.5082

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		0.04 (J)	0.09 (J)	0.22 (J)	
8/31/2016					0.07 (J)
9/1/2016	<0.1				
10/25/2016				<0.1	
10/26/2016	0.05 (J)	0.05 (J)	0.24 (J)		0.62
1/3/2017		0.08 (J)			
1/4/2017				0.18 (J)	
1/5/2017			0.11 (J)		0.17 (J)
1/6/2017	0.08 (J)				
4/4/2017	<0.1			<0.1	0.08 (J)
4/6/2017		0.006 (J)	0.3		
7/12/2017	0.38	0.05 (J)	0.15 (J)	0.04 (J)	
7/13/2017					0.06 (J)
10/3/2017		0.11 (J)	0.11 (J)	<0.1	0.06 (J)
10/4/2017	<0.1				
1/9/2018			<0.2		
1/10/2018		<0.2		<0.1	<0.1
1/11/2018	<0.1				
7/10/2018		0.2 (J)	<0.2	<0.1	<0.1
7/11/2018	<0.1				
1/16/2019	1.2	<0.2	0.053 (J)	<0.1	
1/21/2019					<0.1
3/25/2019	0.064 (J)				
3/26/2019		<0.2	0.046 (J)	0.051 (J)	
7/30/2019					0.083 (J)
8/27/2019	0.031 (J)		0.13 (J)	<0.1	<0.1
8/28/2019		0.097 (J)			
10/9/2019	<0.1	<0.2	<0.2	<0.1	<0.1
4/7/2020	<0.1	<0.2	<0.2	<0.1	
4/8/2020					<0.1
8/18/2020					<0.1
8/19/2020	0.17	<0.2	<0.2	<0.1	
9/28/2020				<0.1	
9/29/2020					<0.1
9/30/2020		<0.2	<0.2		
10/1/2020	<0.1				
3/10/2021	<0.1	<0.2	<0.2	<0.1	
3/15/2021					<0.1
9/21/2021	<0.1	<0.2	<0.2		
9/22/2021					<0.1
9/23/2021				<0.1	
2/2/2022	<0.1		<0.2		<0.1
2/3/2022		0.081 (J)		<0.1	
8/30/2022	<0.1	0.0428 (J)	<0.2		
9/1/2022				<0.1	<0.1
2/1/2023		0.0546 (J)	<0.2		
2/2/2023	<0.1			<0.1	<0.1
8/29/2023	<0.1	<0.2	0.0523 (J)	0.0596 (J)	<0.1
1/23/2024			<0.2	<0.1	
1/24/2024		<0.2			
1/25/2024	<0.1				0.0377 (J)
2/7/2024	<0.1				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
2/8/2024		<0.2			
8/20/2024	<0.1		0.0768 (J)	<0.1	
8/21/2024		0.0435 (J)			0.0532 (J)
1/28/2025	<0.1		<0.2		
1/29/2025		<0.2		<0.1	0.0517 (J)
7/28/2025	0.0357 (J)				
7/29/2025			0.0648 (J)	<0.1	
7/30/2025		<0.2			0.0506 (J)
1/27/2026	<0.1			<0.1	
1/28/2026		<0.2	0.0468 (J)		<0.1
Mean	0.1448	0.1428	0.1565	0.1019	0.1091
Std. Dev.	0.2194	0.0727	0.06992	0.03367	0.1075
Upper Lim.	0.17	0.2	0.2	0.18	0.1
Lower Lim.	0.08	0.0546	0.09	0.0596	0.07

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-12	GWC-13	GWC-14	GWC-15
8/31/2016	0.55	0.7	<0.1		
9/1/2016				0.25 (J)	<0.1
10/25/2016				0.43	0.5
10/26/2016		0.91	0.55		
10/27/2016	0.26 (J)				
1/4/2017		0.51			
1/5/2017			0.09 (J)	0.21 (J)	0.22 (J)
1/6/2017	0.25 (J)				
4/3/2017					<0.1
4/4/2017				0.45	
4/5/2017		0.71			
4/6/2017	0.16 (J)		<0.1		
7/10/2017		0.88			
7/11/2017				0.41	0.06 (J)
7/12/2017	0.2 (J)		<0.1		
10/2/2017				<0.1	<0.1
10/4/2017	0.22 (J)	0.37	<0.1		
1/9/2018				<0.1	<0.1
1/10/2018			<0.1		
1/11/2018	0.98	1.4			
7/9/2018				<0.1	
7/10/2018					0.15 (J)
7/11/2018	0.14 (J)	0.62	<0.1		
1/16/2019			<0.1	<0.1	
1/17/2019		1.2			<0.1
1/18/2019	0.24 (J)				
3/26/2019			0.052 (J)	0.13 (J)	0.13 (J)
3/27/2019	0.13 (J)	0.036 (J)			
8/27/2019		0.3	<0.1	<0.1	<0.1
8/28/2019	0.088 (J)				
10/8/2019			<0.1	<0.1	<0.1
10/9/2019	0.068 (J)	<0.3			
4/7/2020		0.27 (J)		<0.1	<0.1
4/8/2020	0.058 (J)		<0.1		
8/17/2020		0.19	<0.1		
8/18/2020				<0.1	<0.1
8/19/2020	0.092 (J)				
9/28/2020			<0.1		
9/29/2020		0.16		<0.1	
9/30/2020					<0.1
10/1/2020	<0.1				
3/10/2021	0.066 (J)	0.14			
3/12/2021					<0.1
3/15/2021			<0.1		
3/16/2021				<0.1	
9/21/2021		0.31	<0.1		
9/22/2021	0.13			<0.1	
9/23/2021					<0.1
2/2/2022	<0.1			<0.1	
2/3/2022		0.36	<0.1		<0.1
8/30/2022		0.273		<0.1	
8/31/2022			0.051 (J)		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-12	GWC-13	GWC-14	GWC-15
9/1/2022	0.0783 (J)				
2/1/2023	0.0994 (J)	0.231	0.0423 (J)		
2/2/2023				<0.1	<0.1
8/29/2023	0.115		<0.1		
9/6/2023		0.238		<0.1	
9/7/2023					<0.1
1/24/2024	0.0618 (J)				<0.1
1/25/2024		0.182	<0.1	<0.1	
8/21/2024	0.134	0.194	0.0496 (J)	<0.1	<0.1
1/29/2025	0.0734 (J)	0.232	<0.1	<0.1	<0.1
7/30/2025	0.0743 (J)	0.137	<0.1	<0.1	<0.1
1/27/2026					<0.1
1/28/2026	0.0837 (J)	0.117	<0.1	<0.1	
Mean	0.1712	0.4162	0.109	0.1492	0.1215
Std. Dev.	0.1958	0.3527	0.09188	0.1095	0.08181
Upper Lim.	0.1763	0.5162	0.1	0.13	0.13
Lower Lim.	0.08672	0.2262	0.09	0.1	0.1

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016					0.04 (J)
9/1/2016	0.55	0.68	<0.5	<0.1	
10/25/2016	0.36		<0.5	<0.1	
10/26/2016		0.68			0.12 (J)
1/4/2017	0.1 (J)		0.04 (J)	<0.1	0.06 (J)
1/5/2017		0.73			
4/4/2017			0.02 (J)	<0.1	
4/5/2017	0.2 (J)	1.6			
4/6/2017					<0.2
7/11/2017			0.14 (J)		0.03 (J)
7/12/2017	0.04 (J)				
7/13/2017		1.7		<0.1	
10/2/2017			<0.5		
10/3/2017	0.86			<0.1	
10/4/2017		1.8			0.12 (J)
1/9/2018				<0.1	
1/10/2018	<0.4		<0.5		
1/11/2018		1.5			<0.2
7/9/2018			<0.5		
7/10/2018	<0.4			<0.1	
7/11/2018		1.8			<0.2
1/16/2019		1.4			
1/17/2019	<0.4			<0.1	
1/18/2019					<0.2
1/21/2019			<0.5		
3/25/2019			0.043 (J)		
3/26/2019	0.11 (J)	0.89		0.071 (J)	
3/27/2019					<0.2
8/27/2019					0.1
8/28/2019	<0.4	0.61	<0.5	<0.1	
10/8/2019	<0.4			<0.1	
10/9/2019		<0.3	<0.5		<0.2
4/7/2020	<0.4			<0.1	<0.2
4/8/2020		0.55	<0.5		
8/18/2020	<0.4	0.51	<0.5	<0.1	<0.2
9/30/2020	<0.4	0.15	<0.5	<0.1	<0.2
3/10/2021					<0.2
3/11/2021		0.42			
3/12/2021			<0.5		
3/16/2021	<0.4			<0.1	
9/21/2021					<0.2
9/22/2021	<0.4	0.79	<0.5	<0.1	
2/1/2022	<0.4	0.68	<0.5	<0.1	
2/3/2022					<0.2
8/30/2022			<0.5	<0.1	
8/31/2022		0.442			<0.2
9/1/2022	0.0374 (J)				
2/1/2023	0.0702 (J)	0.604	<0.5		
2/2/2023				<0.1	<0.2
8/29/2023		0.572			0.0758 (J)
9/6/2023	<0.4		<0.5	<0.1	
1/23/2024					<0.2

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
1/24/2024		0.416	<0.5		
1/25/2024	<0.4			<0.1	
8/21/2024	<0.4	0.642	0.168		<0.2
8/22/2024				<0.1	
1/28/2025		0.437			<0.2
1/29/2025	<0.4		<0.5	<0.1	
7/29/2025		0.418	0.269 (J)		0.0732 (J)
7/30/2025	<0.4			<0.1	
1/27/2026			<0.5		
1/28/2026	<0.4	0.567		<0.1	<0.2
Mean	0.3511	0.7976	0.4108	0.09888	0.1623
Std. Dev.	0.1741	0.5	0.1717	0.005687	0.06046
Upper Lim.	0.4	0.9689	0.5	0.1	0.2
Lower Lim.	0.36	0.5216	0.269	0.071	0.12

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.11	<0.1
1/21/2021	<0.1	<0.1		
3/11/2021	<0.1	<0.1	0.12	<0.1
9/21/2021				<0.1
9/22/2021	<0.1	<0.1		
9/23/2021			0.096 (J)	
2/1/2022		<0.1		
2/2/2022				<0.1
2/3/2022	<0.1		0.077 (J)	
8/31/2022	0.0791 (J)		0.187	
9/1/2022		<0.1		
2/1/2023	0.0586 (J)			
2/2/2023		<0.1	0.152	
9/6/2023	0.13	0.147		
9/7/2023			0.198	
1/24/2024	0.0432 (J)			
1/25/2024		<0.1	0.168	<0.1
8/20/2024				0.0444 (J)
8/21/2024	0.0361 (J)	0.037 (J)	0.216	
1/28/2025				<0.1
1/29/2025	0.0432 (J)	0.0457 (J)	0.119	
7/29/2025	<0.1			0.0444 (J)
7/30/2025		0.0345 (J)	0.11	
1/27/2026			0.155	
1/28/2026	<0.1	<0.1		<0.1
Mean	0.08252	0.08868	0.1423	0.08764
Std. Dev.	0.03003	0.03286	0.04368	0.02452
Upper Lim.	0.08583	0.147	0.1766	0.1
Lower Lim.	0.02535	0.037	0.1081	0.0444

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.002	<0.002
1/18/2016	0.0055 (J)	<0.002	<0.002		
7/27/2016		<0.002		<0.002	<0.002
7/28/2016			<0.002		
7/29/2016	0.003 (J)				
8/30/2016		<0.002	<0.002	<0.002	
8/31/2016					<0.002
9/1/2016	0.0166 (O)				
10/25/2016				<0.002	
10/26/2016	0.0057	0.0002 (J)	<0.002		<0.002
1/3/2017		0.0001 (J)			
1/4/2017				<0.002	
1/5/2017			0.0003 (J)		<0.002
1/6/2017	0.0053				
4/4/2017	0.0092			<0.002	0.0002 (J)
4/6/2017		0.0003 (J)	0.0002 (J)		
7/12/2017	0.006	0.0002 (J)	0.0002 (J)	<0.002	
7/13/2017					0.0003 (J)
10/3/2017		0.0002 (J)	0.0001 (J)	<0.002	<0.002
10/4/2017	0.0057				
1/9/2018			0.0003 (J)		
1/10/2018		0.0003 (J)		0.0001 (J)	8E-05 (J)
1/11/2018	0.0085				
7/10/2018		<0.002	<0.002	<0.002	<0.002
7/11/2018	0.0029 (J)				
1/16/2019	<0.002	<0.002	<0.002	<0.002	
1/21/2019					<0.002
3/25/2019	<0.002				
3/26/2019		<0.002	<0.002	<0.002	
7/30/2019					0.0002 (J)
8/27/2019	0.001 (J)		0.0011 (J)	<0.002	<0.002
8/28/2019		0.0011 (J)			
10/9/2019	0.00041 (J)	0.0025 (J)	0.00033 (J)	<0.002	6.4E-05 (J)
4/7/2020	0.00073 (J)	0.0014 (J)	0.00063 (J)	0.00012 (J)	
4/8/2020					<0.002
8/18/2020					<0.002
8/19/2020	0.00048 (J)	7.9E-05 (J)	0.00014 (J)	<0.002	
9/28/2020				4.3E-05 (J)	
9/29/2020					<0.002
9/30/2020		0.0012 (J)	8E-05 (J)		
10/1/2020	0.00026 (J)				
3/10/2021	0.0003 (J)	5.2E-05 (J)	9.6E-05 (J)	0.0001 (J)	
3/15/2021					4.1E-05 (J)
9/21/2021	<0.002	<0.002	<0.002		
9/22/2021					<0.002
9/23/2021				<0.002	
2/2/2022	<0.002		<0.002		<0.002
2/3/2022		<0.002		<0.002	
8/30/2022	<0.002	<0.002	<0.002		
9/1/2022				<0.002	<0.002
2/1/2023		<0.002	<0.002		
2/2/2023	<0.002			<0.002	<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	<0.002	<0.002	<0.002	<0.002	<0.002
1/23/2024			<0.002	<0.002	
1/25/2024					<0.002
2/7/2024	<0.002				
2/8/2024		<0.002			
8/20/2024	<0.002		<0.002	<0.002	
8/21/2024		0.000522 (J)			<0.002
1/28/2025	<0.002		<0.002		
1/29/2025		<0.002		<0.002	<0.002
7/28/2025	<0.002				
7/29/2025			<0.002	<0.002	
7/30/2025		<0.002			<0.002
1/27/2026	<0.002			<0.002	
1/28/2026		<0.002	<0.002		<0.002
Mean	0.002925	0.001363	0.001338	0.001727	0.001603
Std. Dev.	0.002423	0.000849	0.0008577	0.0006804	0.0007753
Upper Lim.	0.00253	0.002	0.002	0.002	0.002
Lower Lim.	0.0006732	0.0003	0.0003	0.00012	0.0003

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					<0.002
1/18/2016	<0.002		0.0034 (J)	<0.002	
1/19/2016		<0.002			
4/26/2016					<0.002
7/26/2016		0.0001 (J)		<0.002	
7/27/2016			0.0001 (J)		<0.002
7/28/2016	<0.002				
8/31/2016	0.0007 (J)	0.0002 (J)	0.0001 (J)	<0.002	
9/1/2016					<0.002
10/25/2016					<0.002
10/26/2016		0.0001 (J)	0.0001 (J)	<0.002	
10/27/2016	<0.002				
1/4/2017		0.0002 (J)	<0.002		
1/5/2017				0.0002 (J)	<0.002
1/6/2017	<0.002				
4/4/2017					0.0001 (J)
4/5/2017			0.0003 (J)		
4/6/2017	0.0001 (J)	0.0003 (J)		0.0005 (J)	
7/10/2017			0.0003 (J)		
7/11/2017		0.0002 (J)			8E-05 (J)
7/12/2017	<0.002			0.0005 (J)	
10/2/2017					0.0001 (J)
10/3/2017		0.0003 (J)			
10/4/2017	9E-05 (J)		0.0001 (J)	0.0007 (J)	
1/9/2018					<0.002
1/10/2018				0.0009 (J)	
1/11/2018	0.0002 (J)	0.0003 (J)	0.0002 (J)		
7/9/2018					<0.002
7/11/2018	<0.002	<0.002	<0.002	0.0015 (J)	
1/16/2019				0.00061 (J)	<0.002
1/17/2019		0.00028 (J)	<0.002		
1/18/2019	<0.002				
3/26/2019				<0.002	<0.002
3/27/2019	<0.002	0.00029 (J)	<0.002		
8/27/2019		0.00021 (J)	<0.002	0.0001 (J)	0.00051 (J)
8/28/2019	6.1E-05 (J)				
10/8/2019		0.00028 (J)		0.00013 (J)	<0.002
10/9/2019	<0.002		6.6E-05 (J)		
4/7/2020		0.00036 (J)	8.1E-05 (J)		<0.002
4/8/2020	0.00021 (J)			0.00017 (J)	
8/17/2020			4.9E-05 (J)	7.6E-05 (J)	
8/18/2020		0.00035 (J)			<0.002
8/19/2020	9.6E-05 (J)				
9/28/2020				6.4E-05 (J)	
9/29/2020		0.00032 (J)	3.7E-05 (J)		<0.002
10/1/2020	3.8E-05 (J)				
3/10/2021	0.00012 (J)	0.00042 (J)	6.8E-05 (J)		
3/15/2021				0.00013 (J)	
3/16/2021					<0.002
9/21/2021		<0.002	<0.002	<0.002	
9/22/2021	<0.002				<0.002
2/2/2022	<0.002				<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
2/3/2022		<0.002	<0.002	<0.002	
8/30/2022			<0.002		<0.002
8/31/2022		<0.002		<0.002	
9/1/2022	<0.002				
2/1/2023	<0.002	<0.002	<0.002	<0.002	
2/2/2023					<0.002
8/29/2023	<0.002			<0.002	
9/6/2023		<0.002	<0.002		<0.002
1/24/2024	<0.002	<0.002			
1/25/2024			<0.002	<0.002	<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	<0.002
1/28/2025		<0.002			
1/29/2025	<0.002		<0.002	<0.002	<0.002
7/29/2025		<0.002			
7/30/2025	<0.002		<0.002	<0.002	<0.002
1/27/2026		<0.002			
1/28/2026	<0.002		<0.002	<0.002	<0.002
Mean	0.001415	0.001008	0.001246	0.001271	0.001751
Std. Dev.	0.0008729	0.0008778	0.001024	0.0008462	0.0006362
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.00021	0.00028	0.0001	0.0005	0.00051

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	<0.002	<0.002		<0.002	<0.002
1/18/2016			<0.002		
4/26/2016		<0.002			
7/27/2016	<0.002				
7/28/2016		<0.002		<0.002	<0.002
7/29/2016			<0.002		
9/1/2016	<0.002	<0.002	<0.002	<0.002	<0.002
10/25/2016	<0.002	0.0002 (J)		0.0001 (J)	<0.002
10/26/2016			<0.002		
1/4/2017		0.0001 (J)		<0.002	<0.002
1/5/2017	<0.002		<0.002		
4/3/2017	0.0003 (J)				
4/4/2017				7E-05 (J)	9E-05 (J)
4/5/2017		0.0002 (J)	0.0009 (J)		
7/11/2017	0.0001 (J)			<0.002	
7/12/2017		0.0001 (J)			
7/13/2017			<0.002		7E-05 (J)
10/2/2017	0.0002 (J)			<0.002	
10/3/2017		0.0001 (J)			0.0001 (J)
10/4/2017			0.0001 (J)		
1/9/2018	0.0002 (J)				9E-05 (J)
1/10/2018		0.0002 (J)		0.0002 (J)	
1/11/2018			0.0001 (J)		
7/9/2018				<0.002	
7/10/2018	<0.002	<0.002			<0.002
7/11/2018			<0.002		
1/16/2019			<0.002		
1/17/2019	<0.002	<0.002			<0.002
1/21/2019				<0.002	
3/25/2019				<0.002	
3/26/2019	<0.002	<0.002	<0.002		<0.002
8/27/2019	0.00033 (J)				
8/28/2019		0.0001 (J)	<0.002	6.5E-05 (J)	0.00018 (J)
10/8/2019	0.00012 (J)	0.0001 (J)			0.00016 (J)
10/9/2019			0.00015 (J)	0.00018 (J)	
4/7/2020	8.6E-05 (J)	0.00023 (J)			<0.002
4/8/2020			8.4E-05 (J)	<0.002	
8/18/2020	9E-05 (J)	0.00017 (J)	0.00014 (J)	<0.002	0.00027 (J)
9/30/2020	4.7E-05 (J)	9.1E-05 (J)	6E-05 (J)	<0.002	5.4E-05 (J)
3/11/2021			0.00019 (J)		
3/12/2021	5.3E-05 (J)			<0.002	
3/16/2021		7.3E-05 (J)			<0.002
9/22/2021		<0.002	<0.002	<0.002	<0.002
9/23/2021	<0.002				
2/1/2022		<0.002	<0.002	<0.002	<0.002
2/3/2022	<0.002				
8/30/2022				<0.002	<0.002
8/31/2022	<0.002		<0.002		
9/1/2022		<0.002			
2/1/2023		<0.002	<0.002	<0.002	
2/2/2023	<0.002				<0.002
8/29/2023			<0.002		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/6/2023		<0.002		<0.002	<0.002
9/7/2023	<0.002				
1/24/2024	<0.002		<0.002	<0.002	
1/25/2024		<0.002			<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	
8/22/2024					<0.002
1/28/2025			<0.002		
1/29/2025	<0.002	<0.002		<0.002	<0.002
7/29/2025			<0.002	<0.002	
7/30/2025	<0.002	<0.002			<0.002
1/27/2026	<0.002			<0.002	
1/28/2026		<0.002	<0.002		<0.002
Mean	0.00134	0.00123	0.00149	0.001665	0.001465
Std. Dev.	0.0009033	0.0009336	0.0008332	0.0007325	0.0008626
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.0002	0.00017	0.0009	0.0002	0.00027

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
1/18/2016	<0.002				
7/29/2016	0.0004 (J)				
8/31/2016	0.0003 (J)				
10/26/2016	0.0003 (J)				
1/4/2017	0.0003 (J)				
4/6/2017	0.0003 (J)				
7/11/2017	0.0002 (J)				
10/4/2017	0.0008 (J)				
1/11/2018	0.0009 (J)				
7/11/2018	0.001 (J)				
1/18/2019	0.0012 (J)				
3/27/2019	0.00047 (J)				
8/27/2019	0.003 (J)				
10/9/2019	0.00032 (J)				
4/7/2020	0.00067 (J)				
8/18/2020	0.00072 (J)				
9/30/2020	0.00023 (J)				
3/10/2021	0.00016 (J)				
3/11/2021		5.7E-05 (J)	9.4E-05 (J)	9.5E-05 (J)	0.00015 (J)
9/21/2021	<0.002				<0.002
9/22/2021		<0.002	<0.002		
9/23/2021				<0.002	
2/1/2022			<0.002		
2/2/2022					<0.002
2/3/2022	<0.002	<0.002		<0.002	
8/31/2022	<0.002	<0.002		<0.002	
9/1/2022			<0.002		
2/1/2023		<0.002			
2/2/2023	<0.002		<0.002	<0.002	
8/29/2023	0.000511 (J)				
9/6/2023		<0.002	<0.002		
9/7/2023				<0.002	
1/23/2024	<0.002				
1/24/2024		<0.002			
1/25/2024			<0.002	<0.002	<0.002
8/20/2024					<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	
1/28/2025	<0.002				<0.002
1/29/2025		<0.002	<0.002	<0.002	
7/29/2025	<0.002	<0.002			<0.002
7/30/2025			<0.002	<0.002	
1/27/2026				<0.002	
1/28/2026	0.000502 (J)	<0.002	<0.002		<0.002
Mean	0.001082	0.001823	0.001827	0.001827	0.001769
Std. Dev.	0.0008295	0.0005858	0.0005747	0.0005744	0.0006541
Upper Lim.	0.0006174	0.002	0.002	0.002	0.002
Lower Lim.	0.000313	0.002	0.002	0.002	0.00015

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-9	GWC-12	GWC-13
8/30/2016		0.0042 (J)			
8/31/2016			<0.05 (O)	<0.01	<0.01
9/1/2016	0.0092 (J)				
10/26/2016	0.0046 (J)	<0.01		<0.01	<0.01
10/27/2016			0.0023 (J)		
1/3/2017		0.0024 (J)			
1/4/2017				<0.01	
1/5/2017					<0.01
1/6/2017	0.0042 (J)		0.0021 (J)		
4/4/2017	0.0056 (J)				
4/5/2017				0.0012 (J)	
4/6/2017		0.0051 (J)	0.0021 (J)		<0.01
7/10/2017				<0.01	
7/12/2017	0.0035 (J)	0.0031 (J)	0.0017 (J)		<0.01
10/3/2017		0.0027 (J)			
10/4/2017	0.0041 (J)		0.0021 (J)	<0.01	<0.01
1/10/2018		0.0041 (J)			<0.01
1/11/2018	0.0052 (J)		0.0022 (J)	<0.01	
7/10/2018		0.005 (J)			
7/11/2018	0.0039 (J)		0.0019 (J)	0.00098 (J)	<0.01
8/27/2019	0.013 (J)			0.00094 (J)	<0.01
8/28/2019		<0.01	0.0018 (J)		
10/8/2019					<0.01
10/9/2019	0.013 (J)	<0.01	0.0018 (J)	0.0011 (J)	
4/7/2020	0.014 (J)	<0.01		0.00094 (J)	
4/8/2020			0.0018 (J)		<0.01
8/17/2020				0.00091 (J)	<0.01
8/19/2020	0.014 (J)	<0.01	0.0019 (J)		
9/28/2020					<0.01
9/29/2020				0.00086 (J)	
9/30/2020		<0.01			
10/1/2020	0.013 (J)		0.0019 (J)		
3/10/2021	0.012 (J)	<0.01	0.0018 (J)	0.00095 (J)	
3/15/2021					<0.01
9/21/2021	0.016 (J)	<0.01		0.00091 (J)	0.00087 (J)
9/22/2021			0.0015 (J)		
2/2/2022	0.015 (J)		0.0017 (J)		
2/3/2022		<0.01		0.001 (J)	0.00077 (J)
8/30/2022	0.0175	<0.01		<0.01	
8/31/2022					<0.01
9/1/2022			<0.01		
2/1/2023		<0.01	<0.01	<0.01	<0.01
2/2/2023	0.0184				
8/29/2023	0.0191	<0.01	<0.01		<0.01
9/6/2023				<0.01	
1/24/2024			<0.01		
1/25/2024				<0.01	<0.01
2/7/2024	0.0212				
2/8/2024		<0.01			
8/20/2024	0.0194				
8/21/2024		<0.01	<0.01	<0.01	<0.01
1/28/2025	0.0268				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-9	GWC-12	GWC-13
1/29/2025		<0.01	<0.01	<0.01	<0.01
7/28/2025	0.0188				
7/30/2025		<0.01	<0.01	<0.01	<0.01
1/27/2026	0.0216				
1/28/2026		<0.01	<0.01	<0.01	<0.01
Mean	0.01305	0.008192	0.004722	0.006241	0.009235
Std. Dev.	0.006722	0.002931	0.003945	0.004544	0.002592
Upper Lim.	0.01648	0.01	0.01	0.01	0.01
Lower Lim.	0.009616	0.005	0.0018	0.00095	0.00087

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17
9/1/2016	0.0066 (J)
10/26/2016	0.0065 (J)
1/5/2017	0.0062 (J)
4/5/2017	0.007 (J)
7/13/2017	0.0069 (J)
10/4/2017	0.0082 (J)
1/11/2018	0.0061 (J)
7/11/2018	0.0075 (J)
8/28/2019	0.0041 (J)
10/9/2019	0.0046 (J)
4/8/2020	0.0051 (J)
8/18/2020	0.0065 (J)
9/30/2020	0.0041 (J)
3/11/2021	0.0036 (J)
9/22/2021	0.005 (J)
2/1/2022	0.0061 (J)
8/31/2022	0.00688 (J)
2/1/2023	0.00532 (J)
8/29/2023	0.00502 (J)
1/24/2024	0.00477 (J)
8/21/2024	0.00567 (J)
1/28/2025	0.00463 (J)
7/29/2025	0.00495 (J)
1/28/2026	0.00734 (J)
Mean	0.005778
Std. Dev.	0.001216
Upper Lim.	0.006399
Lower Lim.	0.005158

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		<0.0002	<0.0002	4E-05 (J)	
8/31/2016					<0.0002
9/1/2016	<0.0002				
10/25/2016				<0.0002	
10/26/2016	<0.0002	<0.0002	<0.0002		<0.0002
1/3/2017		<0.0002			
1/4/2017				<0.0002	
1/5/2017			<0.0002		<0.0002
1/6/2017	<0.0002				
4/4/2017	<0.0002			<0.0002	<0.0002
4/6/2017		<0.0002	<0.0002		
7/12/2017	<0.0002	<0.0002	<0.0002	<0.0002	
7/13/2017					<0.0002
10/3/2017		<0.0002	<0.0002	<0.0002	<0.0002
10/4/2017	<0.0002				
1/9/2018			<0.0002		
1/10/2018		<0.0002		<0.0002	<0.0002
1/11/2018	<0.0002				
7/10/2018		<0.0002	<0.0002	<0.0002	<0.0002
7/11/2018	<0.0002				
1/16/2019	4.9E-05 (J)	<0.0002	4.3E-05 (J)	<0.0002	
1/21/2019					<0.0002
7/30/2019					<0.0002
8/27/2019	<0.0002		<0.0002	<0.0002	<0.0002
8/28/2019		<0.0002			
10/9/2019		<0.0002			
8/18/2020					<0.0002
8/19/2020	<0.0002	<0.0002	<0.0002	<0.0002	
9/21/2021	0.0001 (J)	0.0001 (J)	0.0001 (J)		
9/22/2021					0.0001 (J)
9/23/2021				0.0001 (J)	
2/2/2022	<0.0002		<0.0002		<0.0002
2/3/2022		<0.0002		<0.0002	
8/30/2022	<0.0002	8.7E-05 (J)	<0.0002		
9/1/2022				<0.0002	<0.0002
2/1/2023		<0.0002	<0.0002		
2/2/2023	<0.0002			<0.0002	<0.0002
8/29/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/23/2024			<0.0002	<0.0002	
1/25/2024					<0.0002
2/7/2024	0.000487				
2/8/2024		0.000135 (J)			
8/20/2024	<0.0002		<0.0002	<0.0002	
8/21/2024		<0.0002			<0.0002
1/28/2025	0.000287		<0.0002		
1/29/2025		<0.0002		0.000274	<0.0002
7/28/2025	<0.0002				
7/29/2025			<0.0002	<0.0002	
7/30/2025		<0.0002			<0.0002
1/27/2026	<0.0002			<0.0002	
1/28/2026		<0.0002	<0.0002		<0.0002
Mean	0.0002059	0.0001874	0.0001878	0.0001911	0.0001955

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
Std. Dev.	7.811E-05	3.344E-05	3.969E-05	4.44E-05	2.132E-05
Upper Lim.	0.000287	0.0002	0.0002	0.000274	0.0002
Lower Lim.	0.0001	0.000135	0.0001	0.0001	0.0001

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
8/31/2016	<0.0002	<0.0002	<0.0002	<0.0002	
9/1/2016					<0.0002
10/25/2016					<0.0002
10/26/2016		<0.0002	<0.0002	<0.0002	
10/27/2016	<0.0002				
1/4/2017		<0.0002	<0.0002		
1/5/2017				<0.0002	<0.0002
1/6/2017	<0.0002				
4/4/2017					<0.0002
4/5/2017			<0.0002		
4/6/2017	<0.0002	<0.0002		0.00013 (J)	
7/10/2017			<0.0002		
7/11/2017		<0.0002			<0.0002
7/12/2017	<0.0002			<0.0002	
10/2/2017					<0.0002
10/3/2017		<0.0002			
10/4/2017	5E-05 (J)		<0.0002	<0.0002	
1/9/2018					<0.0002
1/10/2018				<0.0002	
1/11/2018	<0.0002	<0.0002	<0.0002		
7/9/2018					<0.0002
7/11/2018	<0.0002	<0.0002	<0.0002	<0.0002	
1/16/2019				<0.0002	<0.0002
1/17/2019		<0.0002	<0.0002		
1/18/2019	<0.0002				
8/27/2019		<0.0002	<0.0002	<0.0002	<0.0002
8/28/2019	<0.0002				
8/17/2020			<0.0002	<0.0002	
8/18/2020		<0.0002			<0.0002
8/19/2020	<0.0002				
9/21/2021		0.0001 (J)	0.0001 (J)	0.0001 (J)	
9/22/2021	0.00011 (J)				0.00011 (J)
2/2/2022	<0.0002				<0.0002
2/3/2022		<0.0002	<0.0002	<0.0002	
8/30/2022			<0.0002		<0.0002
8/31/2022		<0.0002		<0.0002	
9/1/2022	<0.0002				
2/1/2023	<0.0002	<0.0002	<0.0002	<0.0002	
2/2/2023					<0.0002
8/29/2023	<0.0002			<0.0002	
9/6/2023		<0.0002	<0.0002		<0.0002
1/24/2024	<0.0002	<0.0002			
1/25/2024			<0.0002	<0.0002	<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/28/2025		<0.0002			
1/29/2025	9.5E-05 (J)		<0.0002	<0.0002	<0.0002
7/29/2025		<0.0002			
7/30/2025	<0.0002		<0.0002	<0.0002	<0.0002
1/27/2026		<0.0002			
1/28/2026	<0.0002		<0.0002	<0.0002	<0.0002
Mean	0.0001836	0.0001952	0.0001952	0.0001919	0.0001957
Std. Dev.	4.24E-05	2.182E-05	2.182E-05	2.6E-05	1.964E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.00011	0.0001	0.0001	0.00013	0.00011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
9/1/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/25/2016	<0.0002	<0.0002		<0.0002	<0.0002
10/26/2016			<0.0002		
1/4/2017		<0.0002		<0.0002	<0.0002
1/5/2017	<0.0002		<0.0002		
4/3/2017	<0.0002				
4/4/2017				<0.0002	<0.0002
4/5/2017		<0.0002	<0.0002		
7/11/2017	<0.0002			<0.0002	
7/12/2017		<0.0002			
7/13/2017			<0.0002		<0.0002
10/2/2017	<0.0002			<0.0002	
10/3/2017		<0.0002			<0.0002
10/4/2017			<0.0002		
1/9/2018	<0.0002				<0.0002
1/10/2018		<0.0002		<0.0002	
1/11/2018			<0.0002		
7/9/2018				<0.0002	
7/10/2018	<0.0002	<0.0002			<0.0002
7/11/2018			<0.0002		
1/16/2019			<0.0002		
1/17/2019	<0.0002	<0.0002			<0.0002
1/21/2019				<0.0002	
8/27/2019	<0.0002				
8/28/2019		<0.0002	<0.0002	<0.0002	<0.0002
8/18/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/22/2021		0.0001 (J)	0.00011 (J)	0.00011 (J)	0.00011 (J)
9/23/2021	0.0001 (J)				
2/1/2022		<0.0002	<0.0002	<0.0002	<0.0002
2/3/2022	<0.0002				
8/30/2022				<0.0002	<0.0002
8/31/2022	<0.0002		<0.0002		
9/1/2022		<0.0002			
2/1/2023		<0.0002	<0.0002	<0.0002	
2/2/2023	<0.0002				<0.0002
8/29/2023			<0.0002		
9/6/2023		<0.0002		<0.0002	<0.0002
9/7/2023	<0.0002				
1/24/2024	<0.0002		0.000172 (J)	<0.0002	
1/25/2024		<0.0002			<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	
8/22/2024					<0.0002
1/28/2025			0.000349		
1/29/2025	<0.0002	<0.0002		<0.0002	<0.0002
7/29/2025			<0.0002	<0.0002	
7/30/2025	<0.0002	<0.0002			<0.0002
1/27/2026	<0.0002			<0.0002	
1/28/2026		<0.0002	<0.0002		<0.0002
Mean	0.0001952	0.0001952	0.0002015	0.0001957	0.0001957
Std. Dev.	2.182E-05	2.182E-05	3.939E-05	1.964E-05	1.964E-05
Upper Lim.	0.0002	0.0002	0.000349	0.0002	0.0002
Lower Lim.	0.0001	0.0001	0.000172	0.00011	0.00011

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
8/31/2016	<0.0002				
10/26/2016	<0.0002				
1/4/2017	<0.0002				
4/6/2017	<0.0002				
7/11/2017	<0.0002				
10/4/2017	<0.0002				
1/11/2018	<0.0002				
7/11/2018	<0.0002				
1/18/2019	<0.0002				
8/27/2019	<0.0002				
8/18/2020	<0.0002				
9/21/2021	0.0001 (J)				0.0001 (J)
9/22/2021		0.00011 (J)	0.0001 (J)		
9/23/2021				0.0001 (J)	
2/1/2022			<0.0002		
2/2/2022					<0.0002
2/3/2022	<0.0002	<0.0002		<0.0002	
8/31/2022	<0.0002	<0.0002		<0.0002	
9/1/2022			<0.0002		
2/1/2023		<0.0002			
2/2/2023	<0.0002		<0.0002	<0.0002	
8/29/2023	<0.0002				
9/6/2023		<0.0002	<0.0002		
9/7/2023				<0.0002	
1/23/2024	<0.0002				
1/24/2024		<0.0002			
1/25/2024			<0.0002	<0.0002	<0.0002
8/20/2024					<0.0002
8/21/2024	<0.0002	<0.0002	<0.0002	<0.0002	
1/28/2025	<0.0002				<0.0002
1/29/2025		<0.0002	0.000222	0.000333	
7/29/2025	<0.0002	<0.0002			<0.0002
7/30/2025			<0.0002	<0.0002	
1/27/2026				<0.0002	
1/28/2026	<0.0002	<0.0002	<0.0002		<0.0002
Mean	0.0001952	0.000191	0.0001922	0.0002033	0.0001857
Std. Dev.	2.182E-05	2.846E-05	3.313E-05	5.536E-05	3.78E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.0001	0.0002	0.0002	0.0002	0.0001

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/30/2016		<0.001	<0.01	0.175	
8/31/2016					<0.001
9/1/2016	0.035				
10/25/2016				0.242	
10/26/2016	0.0267	<0.001	<0.01		<0.001
1/3/2017		<0.001			
1/4/2017				0.167	
1/5/2017			<0.01		<0.001
1/6/2017	0.0278				
4/4/2017	0.0265			0.172	<0.001
4/6/2017		<0.001	<0.01		
7/12/2017	0.0209	<0.001	<0.01	0.182	
7/13/2017					<0.001
10/3/2017		<0.001	<0.01	0.162	<0.001
10/4/2017	0.0181				
1/9/2018			<0.01		
1/10/2018		<0.001		0.117	<0.001
1/11/2018	0.0237				
7/10/2018		<0.001	<0.01	0.11	<0.001
7/11/2018	0.024				
1/16/2019				0.087	
7/30/2019					<0.001
8/27/2019	0.1		0.0026 (J)	0.06	<0.001
8/28/2019		0.0012 (J)			
10/9/2019	0.1	<0.001	<0.01	0.06	<0.001
4/7/2020	0.13	<0.001	<0.01	0.014	
4/8/2020					<0.001
8/18/2020					<0.001
8/19/2020	0.16	<0.001	0.001 (J)	0.061	
9/28/2020				0.059	
9/29/2020					<0.001
9/30/2020		<0.001	0.00097 (J)		
10/1/2020	0.15				
3/10/2021	0.12	<0.001	0.0013 (J)	0.057	
3/15/2021					<0.001
9/21/2021	0.12	<0.001	<0.01		
9/22/2021					<0.001
9/23/2021				0.06	
2/2/2022	0.11		0.00085 (J)		<0.001
2/3/2022		<0.001		0.038	
8/30/2022	0.154	<0.001	0.000649 (J)		
9/1/2022				0.0343	<0.001
2/1/2023		0.00069 (J)	0.000553 (J)		
2/2/2023	0.199			0.0433	<0.001
8/29/2023	0.136	<0.001	0.000729 (J)	0.0293	<0.001
1/23/2024			0.000349 (J)	0.0408	
1/25/2024					0.000312 (J)
2/7/2024	0.138				
2/8/2024		0.002			
8/20/2024	0.103		0.000521 (J)	0.016	
8/21/2024		0.000577 (J)			<0.001
1/28/2025	0.121		0.00042 (J)		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/29/2025		0.000347 (J)		0.0405	<0.001
7/28/2025	0.102				
7/29/2025			0.000468 (J)	0.0402	
7/30/2025		0.000258 (J)			<0.001
1/27/2026	0.159			0.0376	
1/28/2026		<0.001	0.000615 (J)		<0.001
Mean	0.1363	0.0009613	0.005043	0.0842	0.0009725
Std. Dev.	0.02777	0.0003132	0.004678	0.06309	0.0001376
Upper Lim.	0.157	0.0012	0.01	0.1046	0.001
Lower Lim.	0.1157	0.00069	0.000615	0.04852	0.000312

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-15
8/31/2016	<0.01	<0.001	<0.001		
9/1/2016				0.0027 (J)	0.132
10/25/2016				0.0028 (J)	0.117
10/26/2016	<0.01	<0.001	<0.001		
1/4/2017	<0.01	<0.001			
1/5/2017			<0.001	0.0022 (J)	0.109
4/3/2017					0.0994
4/4/2017				0.0022 (J)	
4/5/2017		<0.001			
4/6/2017	<0.01		<0.001		
7/10/2017		<0.001			
7/11/2017	<0.01			0.0024 (J)	0.0938
7/12/2017			<0.001		
10/2/2017				0.0025 (J)	0.103
10/3/2017	<0.01				
10/4/2017		<0.001	<0.001		
1/9/2018				0.0038 (J)	0.106
1/10/2018			<0.001		
1/11/2018	0.0018 (J)	<0.001			
7/9/2018				0.01	
7/10/2018					0.088
7/11/2018	<0.01	<0.001	<0.001		
8/27/2019	<0.01	<0.001	<0.001	0.028	0.095
10/8/2019	<0.01		<0.001	0.034	0.091
10/9/2019		<0.001			
4/7/2020	<0.01	<0.001		0.014	0.07
4/8/2020			0.0056 (J)		
8/17/2020		<0.001	<0.001		
8/18/2020	0.00077 (J)			0.017	0.12
9/28/2020			<0.001		
9/29/2020	<0.01	<0.001		0.0089 (J)	
9/30/2020					0.11
3/10/2021	<0.01	<0.001			
3/12/2021					0.098
3/15/2021			<0.001		
3/16/2021				0.0054 (J)	
9/21/2021	<0.01	<0.001	<0.001		
9/22/2021				0.018	
9/23/2021					0.094
2/2/2022				0.015	
2/3/2022	<0.01	<0.001	<0.001		0.086
8/30/2022		0.000205 (J)		0.0133	
8/31/2022	0.000512 (J)		<0.001		0.0786
2/1/2023	0.000613 (J)	<0.001	<0.001		
2/2/2023				0.0167	0.0748
8/29/2023			<0.001		
9/6/2023	0.000804 (J)	<0.001		0.0199	
9/7/2023					0.0588
1/24/2024	0.000534 (J)				0.0677
1/25/2024		<0.001	<0.001	0.0151	
8/21/2024	0.000489 (J)	<0.001	<0.001	0.00505	0.0752
1/28/2025	0.000507 (J)				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-13	GWC-14	GWC-15
1/29/2025		<0.001	<0.001	0.014	0.0495
7/29/2025	0.000497 (J)				
7/30/2025		<0.001	<0.001	0.0186	0.041
1/27/2026	0.000614 (J)				0.0689
1/28/2026		<0.001	<0.001	0.0186	
Mean	0.006131	0.0009669	0.001192	0.01209	0.08861
Std. Dev.	0.004683	0.0001623	0.000939	0.008645	0.02255
Upper Lim.	0.01	0.001	0.0056	0.0165	0.1001
Lower Lim.	0.000613	0.000205	0.001	0.007678	0.0771

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
8/31/2016					<0.001
9/1/2016	0.08	<0.01	0.296	0.0686	
10/25/2016	0.08		0.395	0.0018 (J)	
10/26/2016		<0.01			<0.001
1/4/2017	0.0786		0.229	0.0222	<0.001
1/5/2017		<0.01			
4/4/2017			0.147	0.0476	
4/5/2017	0.113	<0.01			
4/6/2017					<0.001
7/11/2017			0.136		<0.001
7/12/2017	0.178				
7/13/2017		<0.01		0.0105	
10/2/2017			0.13		
10/3/2017	0.201			0.0031 (J)	
10/4/2017		<0.01			<0.001
1/9/2018				0.09	
1/10/2018	0.161		0.229		
1/11/2018		<0.01			<0.001
7/9/2018			0.13		
7/10/2018	0.14			0.047	
7/11/2018		<0.01			<0.001
8/27/2019					<0.001
8/28/2019	0.22	0.004 (J)	0.11	0.07	
10/8/2019	0.2			0.078	
10/9/2019		0.0036 (J)	0.071		<0.001
4/7/2020	0.25			0.012	<0.001
4/8/2020		0.0024 (J)	0.06		
8/18/2020	0.15	0.00092 (J)	0.097	0.069	<0.001
9/30/2020	0.15	0.0041 (J)	0.33	0.028	<0.001
3/10/2021					<0.001
3/11/2021		0.0038 (J)			
3/12/2021			0.53		
3/16/2021	0.31			0.024	
9/21/2021					<0.001
9/22/2021	0.22	0.0053 (J)	0.5	0.0019 (J)	
2/1/2022	0.18	0.003 (J)	0.77	0.042	
2/3/2022					<0.001
8/30/2022			0.309	0.049	
8/31/2022		0.00252			<0.001
9/1/2022	0.154				
2/1/2023	0.136	0.00484	0.384		
2/2/2023				0.0352	0.000334 (J)
8/29/2023		0.00312			<0.001
9/6/2023	0.0886		0.753	0.0458	
1/23/2024					<0.001
1/24/2024		0.00353	0.12		
1/25/2024	0.0816			0.0355	
8/21/2024	0.114	0.00354	0.506		<0.001
8/22/2024				0.0159	
1/28/2025		0.00404			<0.001
1/29/2025	0.0809		0.546	0.0586	
7/29/2025		0.00493	0.975		0.00364

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-16	GWC-17	GWC-20	GWC-21	GWC-22
7/30/2025	0.0922			0.0361	
1/27/2026			0.748		
1/28/2026	0.0867	0.00393		0.0956	0.000321 (J)
Mean	0.1477	0.005732	0.3542	0.04114	0.001054
Std. Dev.	0.06277	0.003203	0.2607	0.02752	0.0005825
Upper Lim.	0.1798	0.01	0.4872	0.05518	0.00364
Lower Lim.	0.1157	0.00353	0.2212	0.0271	0.000334

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	MW-23D	MW-24D	MW-25D	MW-26D
1/20/2021			0.0011 (J)	<0.001
1/21/2021	<0.001	0.0014 (J)		
3/11/2021	<0.001	0.0035 (J)	0.0015 (J)	<0.001
9/21/2021				<0.001
9/22/2021	<0.001	0.0032 (J)		
9/23/2021			<0.001	
2/1/2022		0.0024 (J)		
2/2/2022				<0.001
2/3/2022	<0.001		<0.001	
8/31/2022	<0.001		0.000863 (J)	
9/1/2022		0.00174		
2/1/2023	<0.001			
2/2/2023		0.00113	<0.001	
9/6/2023	<0.001	0.000882 (J)		
9/7/2023			<0.001	
1/24/2024	0.000408 (J)			
1/25/2024		0.000995 (J)	0.000257 (J)	<0.001
8/20/2024				<0.001
8/21/2024	<0.001	0.000894 (J)	<0.001	
1/28/2025				<0.001
1/29/2025	<0.001	0.000751 (J)	<0.001	
7/29/2025	<0.001			<0.001
7/30/2025		0.000628 (J)	<0.001	
1/27/2026			0.000208 (J)	
1/28/2026	<0.001	0.000879 (J)		0.000204 (J)
Mean	0.0009507	0.001533	0.0009107	0.0009116
Std. Dev.	0.0001709	0.0009818	0.0003519	0.0002653
Upper Lim.	0.001	0.002174	0.0011	0.001
Lower Lim.	0.000408	0.0008116	0.000257	0.000204

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.023	<0.025
1/18/2016	<0.005	<0.025	<0.01		
7/27/2016		<0.025		0.002 (J)	0.002 (J)
7/28/2016			<0.01		
7/29/2016	0.0036 (J)				
8/30/2016		<0.025	<0.01	0.002 (J)	
8/31/2016					<0.025
9/1/2016	0.0067 (J)				
10/25/2016				0.0022 (J)	
10/26/2016	0.0042 (J)	<0.025	<0.01		0.0035 (J)
1/3/2017		<0.025			
1/4/2017				0.0016 (J)	
1/5/2017			0.0014 (J)		<0.025
1/6/2017	0.0042 (J)				
4/4/2017	0.0043 (J)			0.0052 (J)	<0.025
4/6/2017		<0.025	<0.01		
7/12/2017	0.0033 (J)	<0.025	<0.01	0.0024 (J)	
7/13/2017					<0.025
10/3/2017		<0.025	<0.01	<0.01	<0.025
10/4/2017	0.0038 (J)				
1/9/2018			<0.01		
1/10/2018		<0.025		0.0018 (J)	<0.025
1/11/2018	0.0029 (J)				
7/10/2018		0.0018 (J)	0.0016 (J)	0.0026 (J)	<0.025
7/11/2018	0.0015 (J)				
1/16/2019	<0.005	<0.025	<0.01	0.0018 (J)	
1/21/2019					<0.025
3/25/2019	<0.005				
3/26/2019		<0.025	0.0068 (J)	0.0023 (J)	
7/30/2019					<0.025
8/27/2019	<0.005		0.0033 (J)	0.0016 (J)	<0.025
8/28/2019		0.0033 (J)			
10/9/2019	<0.005	0.0073 (J)	<0.01	0.0024 (J)	<0.025
4/7/2020	0.0025 (J)	<0.025	<0.01	0.0013 (J)	
4/8/2020					<0.025
8/18/2020					<0.025
8/19/2020	<0.005	<0.025	<0.01	0.002 (J)	
9/28/2020				<0.01	
9/29/2020					<0.025
9/30/2020		<0.025	0.0023 (J)		
10/1/2020	<0.005				
3/10/2021	0.0021 (J)	0.006	0.0049 (J)	0.0026 (J)	
3/15/2021					<0.025
9/21/2021	<0.005	<0.025	0.0016 (J)		
9/22/2021					<0.025
9/23/2021				0.0018 (J)	
2/2/2022	<0.005		0.0017 (J)		<0.025
2/3/2022		<0.025		0.0022 (J)	
8/30/2022	0.00265 (J)	<0.025	0.00277 (J)		
9/1/2022				0.00252 (J)	<0.025
2/1/2023		0.00187 (J)	0.00182 (J)		
2/2/2023	0.00466 (J)			0.0022 (J)	<0.025

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
8/29/2023	0.00261 (J)	<0.025	0.00204 (J)	0.00182 (J)	<0.025
1/23/2024			0.00223 (J)	0.00168 (J)	
1/25/2024					<0.025
2/7/2024	0.00258 (J)				
2/8/2024		0.00485 (J)			
8/20/2024	0.00381 (J)		0.00254 (J)	0.00155 (J)	
8/21/2024		0.00214 (J)			<0.025
1/28/2025	0.0032 (J)		0.00297 (J)		
1/29/2025		<0.025		0.00158 (J)	<0.025
7/28/2025	0.00415 (J)				
7/29/2025			0.00255 (J)	0.00202 (J)	
7/30/2025		<0.025			<0.025
1/27/2026	0.00534			0.00197 (J)	
1/28/2026		<0.025	0.00194 (J)		<0.025
Mean	0.004039	0.01972	0.005802	0.003076	0.02341
Std. Dev.	0.001204	0.009364	0.003846	0.004036	0.005839
Upper Lim.	0.003943	0.025	0.01	0.0024	0.025
Lower Lim.	0.002907	0.0073	0.00223	0.0018	0.0035

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-15	GWC-16
1/17/2016			<0.005	<0.005	0.0031 (J)
1/18/2016		<0.005			
1/19/2016	0.023				
4/26/2016			0.00428 (J)		0.00497 (J)
7/26/2016	0.0056 (J)				
7/27/2016		0.0025 (J)	0.0038 (J)	<0.005	
7/28/2016					0.0076 (J)
8/31/2016	0.0084 (J)	0.0019 (J)			
9/1/2016			0.0056 (J)	<0.005	0.0052 (J)
10/25/2016			0.0023 (J)	<0.005	0.0085 (J)
10/26/2016	0.0052 (J)	0.002 (J)			
1/4/2017	0.0062 (J)	<0.005			0.0048 (J)
1/5/2017			0.0038 (J)	<0.005	
4/3/2017				<0.005	
4/4/2017			0.0064 (J)		
4/5/2017		<0.005			0.0068 (J)
4/6/2017	0.0195				
7/10/2017		<0.005			
7/11/2017	<0.01		0.0044 (J)	<0.005	
7/12/2017					0.0048 (J)
10/2/2017			0.004 (J)	<0.005	
10/3/2017	0.0079 (J)				0.0051 (J)
10/4/2017		<0.005			
1/9/2018			0.0019 (J)	0.0019 (J)	
1/10/2018					0.0018 (J)
1/11/2018	0.0054 (J)	<0.005			
7/9/2018			0.0029 (J)		
7/10/2018				0.0086 (J)	0.0045 (J)
7/11/2018	0.0022 (J)	<0.005			
1/16/2019			0.0016 (J)		
1/17/2019	<0.01	<0.005		0.0029 (J)	0.0031 (J)
3/26/2019			0.0022 (J)	0.0074 (J)	0.0033 (J)
3/27/2019	0.0014 (J)	<0.005			
8/27/2019	<0.01	<0.005	0.0035 (J)	0.0092 (J)	
8/28/2019					0.004 (J)
10/8/2019	<0.01		0.0026 (J)	0.014	0.0023 (J)
10/9/2019		<0.005			
4/7/2020	0.0021 (J)	<0.005	0.005 (J)	0.0029 (J)	<0.005
8/17/2020		<0.005			
8/18/2020	0.0028 (J)		0.0029 (J)	0.0022 (J)	0.0058 (J)
9/29/2020	0.0024 (J)	<0.005	0.0051 (J)		
9/30/2020				<0.005	0.0037 (J)
3/10/2021	0.0044 (J)	0.003 (J)			
3/12/2021				0.0064	
3/16/2021			0.0034 (J)		0.0044 (J)
9/21/2021	0.0038 (J)	<0.005			
9/22/2021			0.0034 (J)		0.0031 (J)
9/23/2021				0.0016 (J)	
2/1/2022					0.0024 (J)
2/2/2022			0.0038 (J)		
2/3/2022	0.019	<0.005		0.0031 (J)	
8/30/2022		<0.005	0.00544		

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-11	GWC-12	GWC-14	GWC-15	GWC-16
8/31/2022	0.00344 (J)			0.00192 (J)	
9/1/2022					0.00334 (J)
2/1/2023	0.00333 (J)	<0.005			<0.005
2/2/2023			0.0035 (J)	<0.005	
9/6/2023	0.0036 (J)	<0.005	0.00516		0.00161 (J)
9/7/2023				<0.005	
1/24/2024	0.00303 (J)			0.0028 (J)	
1/25/2024		<0.005	0.00311 (J)		0.00185 (J)
8/21/2024	0.00627	<0.005	0.00337 (J)	0.00314 (J)	0.00313 (J)
1/28/2025	0.00324 (J)				
1/29/2025		<0.005	0.00353 (J)	<0.005	<0.005
7/29/2025	0.00252 (J)				
7/30/2025		<0.005	0.00432 (J)	<0.005	0.00347 (J)
1/27/2026	0.00324 (J)			0.00372 (J)	
1/28/2026		<0.005	0.00286 (J)		<0.005
Mean	0.005999	0.004621	0.003678	0.004885	0.003885
Std. Dev.	0.005416	0.0009593	0.001169	0.002581	0.001725
Upper Lim.	0.006359	0.005	0.004214	0.004457	0.004675
Lower Lim.	0.003415	0.003	0.003143	0.002405	0.003095

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
1/17/2016		<0.005	0.021	
1/18/2016	<0.005			<0.005
7/28/2016		<0.005	0.0341	
7/29/2016	0.0011 (J)			0.0022 (J)
8/31/2016				0.0014 (J)
9/1/2016	0.0012 (J)	<0.005	0.0297	
10/25/2016		0.0014 (J)	0.0095 (J)	
10/26/2016	0.0013 (J)			0.001 (J)
1/4/2017		0.0014 (J)	0.022	<0.005
1/5/2017	0.0012 (J)			
4/4/2017		<0.005	0.0236	
4/5/2017	<0.005			
4/6/2017				<0.005
7/11/2017		<0.005		<0.005
7/13/2017	0.0018 (J)		0.013	
10/2/2017		<0.005		
10/3/2017			0.01 (J)	
10/4/2017	0.0042 (J)			0.0023 (J)
1/9/2018			0.0162	
1/10/2018		<0.005		
1/11/2018	<0.005			<0.005
7/9/2018		<0.005		
7/10/2018			0.016	
7/11/2018	0.0016 (J)			<0.005
1/16/2019	<0.005			
1/17/2019			0.011	
1/18/2019				<0.005
1/21/2019		0.0014 (J)		
3/25/2019		<0.005		
3/26/2019	<0.005		0.022	
3/27/2019				<0.005
8/27/2019				<0.005
8/28/2019	<0.005	0.0014 (J)	0.019	
10/8/2019			0.019	
10/9/2019	<0.005	<0.005		<0.005
4/7/2020			0.012	<0.005
4/8/2020	<0.005	0.0013 (J)		
8/18/2020	0.002 (J)	<0.005	0.013	<0.005
9/30/2020	<0.005	<0.005	0.0061 (J)	<0.005
3/10/2021				<0.005
3/11/2021	0.0016 (J)			
3/12/2021		<0.005		
3/16/2021			0.0055	
9/21/2021				<0.005
9/22/2021	<0.005	0.0024 (J)	0.0027 (J)	
2/1/2022	<0.005	<0.005	0.0054	
2/3/2022				<0.005
8/30/2022		0.00192 (J)	0.00648	
8/31/2022	<0.005			<0.005
2/1/2023	<0.005	<0.005		
2/2/2023			0.00542	<0.005
8/29/2023	<0.005			<0.005

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-17	GWC-20	GWC-21	GWC-22
9/6/2023		<0.005	0.00554	
1/23/2024				<0.005
1/24/2024	<0.005	0.00455 (J)		
1/25/2024			0.00452 (J)	
8/21/2024	<0.005	0.00209 (J)		<0.005
8/22/2024			0.00594	
1/28/2025	0.00157 (J)			<0.005
1/29/2025		<0.005	0.00511	
7/29/2025	<0.005	<0.005		<0.005
7/30/2025			0.00521	
1/27/2026		<0.005		
1/28/2026	<0.005		0.00655	<0.005
Mean	0.003842	0.004031	0.0127	0.004532
Std. Dev.	0.001666	0.001541	0.00836	0.001186
Upper Lim.	0.005	0.005	0.01533	0.005
Lower Lim.	0.0018	0.0024	0.008143	0.0023

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-1	GWC-2	GWC-11
8/30/2016		<0.002	<0.002		
8/31/2016				<0.002	<0.002
9/1/2016	<0.002				
10/25/2016			<0.002		
10/26/2016	<0.002	<0.002		<0.002	<0.002
1/3/2017		<0.002			
1/4/2017			<0.002		<0.002
1/5/2017				<0.002	
1/6/2017	<0.002				
4/4/2017	7E-05 (J)		5E-05 (J)	<0.002	
4/6/2017		<0.002			6E-05 (J)
7/11/2017					<0.002
7/12/2017	<0.002	<0.002	<0.002		
7/13/2017				<0.002	
10/3/2017		<0.002	<0.002	<0.002	7E-05 (J)
10/4/2017	<0.002				
1/10/2018		<0.002	<0.002	<0.002	
1/11/2018	7E-05 (J)				0.0001 (J)
7/10/2018		<0.002	<0.002	<0.002	
7/11/2018	<0.002				<0.002
1/16/2019			<0.002		
7/30/2019				0.00011 (J)	
8/27/2019	<0.002		<0.002	<0.002	<0.002
8/28/2019		5.7E-05 (J)			
10/8/2019					9.8E-05 (J)
10/9/2019	<0.002	0.00031 (J)	5.4E-05 (J)	<0.002	
4/7/2020	<0.002	<0.002	5.4E-05 (J)		0.00019 (J)
4/8/2020				<0.002	
8/18/2020				<0.002	0.00021 (J)
8/19/2020	<0.002	<0.002	<0.002		
9/28/2020			<0.002		
9/29/2020				<0.002	0.00017 (J)
9/30/2020		<0.002			
10/1/2020	<0.002				
3/10/2021	<0.002	<0.002	<0.002		0.00022 (J)
3/15/2021				<0.002	
9/21/2021	<0.002	<0.002			<0.002
9/22/2021				<0.002	
9/23/2021			<0.002		
2/2/2022	<0.002			<0.002	
2/3/2022		<0.002	<0.002		<0.002
8/30/2022	<0.002	<0.002			
8/31/2022					<0.002
9/1/2022			<0.002	<0.002	
2/1/2023		<0.002			<0.002
2/2/2023	<0.002		<0.002	<0.002	
8/29/2023	<0.002	<0.002	<0.002	<0.002	
9/6/2023					<0.002
1/23/2024			<0.002		
1/24/2024					<0.002
1/25/2024				<0.002	
2/7/2024	<0.002				

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWC-1	GWC-2	GWC-11
2/8/2024		<0.002			
8/20/2024	<0.002		<0.002		
8/21/2024		<0.002		<0.002	<0.002
1/28/2025	<0.002				<0.002
1/29/2025		<0.002	<0.002	<0.002	
7/28/2025	<0.002				
7/29/2025			<0.002		<0.002
7/30/2025		<0.002		<0.002	
1/27/2026	<0.002		<0.002		<0.002
1/28/2026		<0.002		<0.002	
Mean	0.001839	0.001849	0.001766	0.001924	0.00138
Std. Dev.	0.0005449	0.0005142	0.0006459	0.000378	0.0008965
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	7E-05	0.00031	5.4E-05	0.00011	0.00019

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-14	GWC-16	GWC-17	GWC-21
8/31/2016	<0.002				
9/1/2016		<0.002	<0.002	<0.002	<0.002
10/25/2016		<0.002	<0.002		<0.002
10/26/2016	0.0003 (J)			<0.002	
1/4/2017	<0.002		<0.002		<0.002
1/5/2017		<0.002		<0.002	
4/4/2017		7E-05 (J)			5E-05 (J)
4/5/2017	0.0002 (J)		6E-05 (J)	0.0001 (J)	
7/10/2017	0.0002 (J)				
7/11/2017		6E-05 (J)			
7/12/2017			<0.002		
7/13/2017				<0.002	<0.002
10/2/2017		<0.002			
10/3/2017			<0.002		<0.002
10/4/2017	0.0002 (J)			0.0001 (J)	
1/9/2018		<0.002			<0.002
1/10/2018			5E-05 (J)		
1/11/2018	0.0002 (J)			0.0001 (J)	
7/9/2018		<0.002			
7/10/2018			<0.002		<0.002
7/11/2018	<0.002			<0.002	
8/27/2019	0.00011 (J)	<0.002			
8/28/2019			<0.002	6.6E-05 (J)	<0.002
10/8/2019		<0.002	<0.002		<0.002
10/9/2019	0.00014 (J)			7.6E-05 (J)	
4/7/2020	0.00013 (J)	<0.002	<0.002		<0.002
4/8/2020				5.6E-05 (J)	
8/17/2020	<0.002				
8/18/2020		<0.002	<0.002	<0.002	<0.002
9/29/2020	<0.002	<0.002			
9/30/2020			<0.002	<0.002	<0.002
3/10/2021	<0.002				
3/11/2021				<0.002	
3/16/2021		<0.002	<0.002		<0.002
9/21/2021	<0.002				
9/22/2021		<0.002	<0.002	<0.002	<0.002
2/1/2022			<0.002	<0.002	<0.002
2/2/2022		<0.002			
2/3/2022	<0.002				
8/30/2022	<0.002	<0.002			<0.002
8/31/2022				<0.002	
9/1/2022			<0.002		
2/1/2023	<0.002		<0.002	<0.002	
2/2/2023		<0.002			<0.002
8/29/2023				<0.002	
9/6/2023	<0.002	<0.002	<0.002		<0.002
1/24/2024				<0.002	
1/25/2024	<0.002	<0.002	<0.002		<0.002
8/21/2024	<0.002	<0.002	<0.002	<0.002	
8/22/2024					<0.002
1/28/2025				<0.002	
1/29/2025	<0.002	<0.002	<0.002		<0.002

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-12	GWC-14	GWC-16	GWC-17	GWC-21
7/29/2025				<0.002	
7/30/2025	<0.002	<0.002	<0.002		<0.002
1/28/2026	<0.002	<0.002	<0.002	<0.002	<0.002
Mean	0.001395	0.001839	0.001838	0.001521	0.001919
Std. Dev.	0.0008746	0.0005463	0.0005491	0.000848	0.000398
Upper Lim.	0.002	0.002	0.002	0.002	0.002
Lower Lim.	0.0002	7E-05	6E-05	0.0001	5E-05

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22
8/31/2016	<0.002
10/26/2016	<0.002
1/4/2017	<0.002
4/6/2017	<0.002
7/11/2017	<0.002
10/4/2017	0.0001 (J)
1/11/2018	6E-05 (J)
7/11/2018	<0.002
8/27/2019	8.6E-05 (J)
10/9/2019	<0.002
4/7/2020	6.5E-05 (J)
8/18/2020	0.00017 (J)
9/30/2020	<0.002
3/10/2021	<0.002
9/21/2021	<0.002
2/3/2022	<0.002
8/31/2022	<0.002
2/2/2023	<0.002
8/29/2023	<0.002
1/23/2024	<0.002
8/21/2024	<0.002
1/28/2025	<0.002
7/29/2025	<0.002
1/28/2026	<0.002
Mean	0.001603
Std. Dev.	0.00079
Upper Lim.	0.002
Lower Lim.	0.00017

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				0.0046 (J)	<0.02
1/18/2016	0.049	0.0069	0.0044 (J)		
7/27/2016		0.0046 (J)		0.0064 (J)	<0.02
7/28/2016			0.0038 (J)		
7/29/2016	0.0388				
1/3/2017		<0.01			
1/4/2017				<0.02	
1/5/2017			0.0077 (J)		<0.02
1/6/2017	0.0341				
4/4/2017	0.0371			0.0061 (J)	<0.02
4/6/2017		0.0063 (J)	0.0069 (J)		
7/12/2017	0.0399	0.0064 (J)	0.0098 (J)	0.0067 (J)	
7/13/2017					<0.02
1/9/2018			0.0086 (J)		
1/10/2018		0.0077 (J)		0.0056 (J)	<0.02
1/11/2018	0.0327				
7/10/2018		0.016	0.0098 (J)	0.0056 (J)	<0.02
7/11/2018	0.02				
1/16/2019	0.0022 (J)	0.0033 (J)	0.077	0.0043 (J)	
1/21/2019					0.0024 (J)
3/25/2019	0.004 (J)				
3/26/2019		0.0058 (J)	0.086	0.0051 (J)	
7/30/2019					<0.02
10/9/2019	<0.01	0.033 (J)	0.018 (J)	<0.02	<0.02
4/7/2020	0.0037 (J)	0.0053 (J)	0.041 (J)	0.0015 (J)	
4/8/2020					<0.02
9/28/2020				0.0042 (J)	
9/29/2020					<0.02
9/30/2020		0.0037 (J)	0.018		
10/1/2020	0.0047 (J)				
3/10/2021	0.0054 (J)	0.0026 (J)	0.027	0.005 (J)	
3/15/2021					<0.02
9/21/2021	0.0027 (J)	0.0039 (J)	0.015		
9/22/2021					<0.02
9/23/2021				0.0042 (J)	
2/2/2022	0.0031 (J)		0.0099 (J)		<0.02
2/3/2022		0.0046 (J)		0.0028 (J)	
8/30/2022	0.00943 (J)	0.0138 (J)	0.0192 (J)		
9/1/2022				0.00748 (J)	0.0045 (J)
2/1/2023		0.0255	0.0201		
2/2/2023	0.021			0.00497 (J)	<0.02
8/29/2023	0.0201	0.00917 (J)	0.0226	0.0146 (J)	0.00777 (J)
1/23/2024			0.022	<0.02	
1/25/2024					<0.02
2/7/2024	0.0119 (J)				
2/8/2024		0.0609			
8/20/2024	0.0189 (J)		0.0155 (J)	<0.02	
8/21/2024		0.0209			<0.02
1/28/2025	0.0116 (J)		0.0211		
1/29/2025		0.0125 (J)		0.00626 (J)	<0.02
7/28/2025	0.0278				
7/29/2025			0.0285	0.00673 (J)	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
7/30/2025		0.00844 (J)			0.00539 (J)
1/27/2026	0.0198 (J)			0.00517 (J)	
1/28/2026		0.00881 (J)	0.0275		0.00438 (J)
Mean	0.01839	0.01196	0.02258	0.008144	0.01671
Std. Dev.	0.01444	0.01313	0.02068	0.006035	0.006427
Upper Lim.	0.02594	0.01268	0.02739	0.006311	0.02
Lower Lim.	0.01083	0.005546	0.01165	0.003761	0.00777

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					0.028
1/18/2016	<0.02		0.0058	0.0011 (J)	
1/19/2016		0.0025 (J)			
4/26/2016					0.0181
7/26/2016		0.0027 (J)		<0.02	
7/27/2016			0.0058 (J)		0.0189
7/28/2016	<0.02				
10/25/2016					0.0206
1/4/2017		<0.02	<0.01		
1/5/2017				<0.02	0.0172
1/6/2017	<0.02				
4/4/2017					0.0235
4/5/2017			0.0039 (J)		
4/6/2017	<0.02	0.0025 (J)		<0.02	
7/10/2017			0.0062 (J)		
7/11/2017		0.0027 (J)			0.0136
7/12/2017	0.0013 (J)			0.0016 (J)	
10/2/2017					0.0175
1/9/2018					0.0103
1/10/2018				0.0019 (J)	
1/11/2018	<0.02	0.0019 (J)	0.0025 (J)		
7/9/2018					0.0078 (J)
7/11/2018	<0.02	0.0021 (J)	0.0059 (J)	0.0097 (J)	
1/16/2019				<0.02	0.0043 (J)
1/17/2019		0.0021 (J)	<0.01		
1/18/2019	<0.02				
3/26/2019				0.0029 (J)	0.0063 (J)
3/27/2019	<0.02	0.0023 (J)	0.0049 (J)		
10/8/2019		<0.02		<0.02	<0.01
10/9/2019	<0.02		0.0021 (J)		
4/7/2020		<0.02	0.0024 (J)		0.0026 (J)
4/8/2020	0.0015 (J)			<0.02	
9/28/2020				<0.02	
9/29/2020		0.0023 (J)	0.0046 (J)		<0.01
10/1/2020	<0.02				
3/10/2021	<0.02	0.0023 (J)	0.0055 (J)		
3/15/2021				<0.02	
3/16/2021					<0.01
9/21/2021		0.002 (J)	0.0051 (J)	<0.02	
9/22/2021	<0.02				0.0052 (J)
2/2/2022	<0.02				0.004 (J)
2/3/2022		0.0031 (J)	0.0052 (J)	<0.02	
8/30/2022			0.00949 (J)		0.00933 (J)
8/31/2022		0.00481 (J)		<0.02	
9/1/2022	0.00514 (J)				
2/1/2023	<0.02	0.00373 (J)	0.0056 (J)	<0.02	
2/2/2023					0.00594 (J)
8/29/2023	0.0103 (J)			0.0188 (J)	
9/6/2023		0.00685 (J)	0.0101 (J)		0.00671 (J)
1/24/2024	<0.02	0.00641 (J)			
1/25/2024			0.00544 (J)	0.00439 (J)	0.00731 (J)
8/21/2024	<0.02	0.00332 (J)	0.00869 (J)	<0.02	0.0038 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/28/2025		<0.02			
1/29/2025	<0.02		0.00777 (J)	0.00361 (J)	0.00825 (J)
7/29/2025		0.00404 (J)			
7/30/2025	0.00373 (J)		0.0107 (J)	0.00332 (J)	0.00867 (J)
1/27/2026		<0.02			
1/28/2026	0.00414 (J)		0.0102 (J)	0.00412 (J)	0.0078 (J)
Mean	0.01592	0.006855	0.005995	0.01354	0.01041
Std. Dev.	0.007198	0.007201	0.002444	0.008275	0.006937
Upper Lim.	0.02	0.00685	0.007273	0.02	0.0127
Lower Lim.	0.0103	0.0023	0.004717	0.00361	0.006642

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	0.0013 (J)	0.0029 (J)		0.0025 (J)	0.0039 (J)
1/18/2016			0.0019 (J)		
4/26/2016		0.00296 (J)			
7/27/2016	<0.01				
7/28/2016		0.0026 (J)		0.0024 (J)	0.0022 (J)
7/29/2016			0.0031 (J)		
10/25/2016	<0.01	<0.05		<0.01	
1/4/2017		<0.05		<0.01	<0.01
1/5/2017	<0.01		<0.02		
4/3/2017	0.002 (J)				
4/4/2017				0.0024 (J)	0.003 (J)
4/5/2017		0.0033 (J)	0.0029 (J)		
7/11/2017	0.0022 (J)			0.003 (J)	
7/12/2017		0.0037 (J)			
7/13/2017			0.0037 (J)		0.0019 (J)
10/2/2017	0.0022 (J)			0.0028 (J)	
10/3/2017		0.0036 (J)			
1/9/2018	0.0021 (J)				0.0046 (J)
1/10/2018		0.0029 (J)		0.0026 (J)	
1/11/2018			0.0026 (J)		
7/9/2018				<0.01	
7/10/2018	0.0025 (J)	0.0025 (J)			0.0031 (J)
7/11/2018			0.0032 (J)		
1/16/2019			<0.02		
1/17/2019	<0.01	0.0021 (J)			0.0022 (J)
1/21/2019				0.0031 (J)	
3/25/2019				0.0024 (J)	
3/26/2019	0.0026 (J)	0.0038 (J)	0.0024 (J)		0.0041 (J)
10/8/2019	<0.01	<0.05			<0.01
10/9/2019			<0.02	<0.01	
4/7/2020	<0.01	<0.05			<0.01
4/8/2020			<0.02	<0.01	
9/30/2020	0.0028 (J)	0.0028 (J)	<0.02	0.0029 (J)	0.0029 (J)
3/11/2021			<0.02		
3/12/2021	0.0037 (J)			0.0038 (J)	
3/16/2021		0.0034 (J)			0.003 (J)
9/22/2021		0.0025 (J)	<0.02	0.0033 (J)	<0.01
9/23/2021	0.0022 (J)				
2/1/2022		0.0021 (J)	0.0022 (J)	0.0039 (J)	0.0036 (J)
2/3/2022	0.0023 (J)				
8/30/2022				0.00647 (J)	0.00715 (J)
8/31/2022	0.00476 (J)		0.00599 (J)		
9/1/2022		0.0065 (J)			
2/1/2023		0.00361 (J)	0.005 (J)	0.00526 (J)	
2/2/2023	0.00453 (J)				0.00537 (J)
8/29/2023			0.0108 (J)		
9/6/2023		0.00631 (J)		0.00768 (J)	0.0101 (J)
9/7/2023	0.00462 (J)				
1/24/2024	0.00594 (J)		0.0059 (J)	0.00642 (J)	
1/25/2024		0.00575 (J)			0.00735 (J)
8/21/2024	0.00338 (J)	0.00407 (J)	<0.02	0.00558 (J)	
8/22/2024					0.00457 (J)

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/28/2025			<0.02		
1/29/2025	0.00419 (J)	0.00543 (J)		0.00736 (J)	0.00701 (J)
7/29/2025			0.00465 (J)	0.00636 (J)	
7/30/2025	0.00438 (J)	0.00574 (J)			0.00587 (J)
1/27/2026	0.00432 (J)			0.00512 (J)	
1/28/2026		0.00515 (J)	0.00484 (J)		0.00759 (J)
Mean	0.004881	0.01091	0.0104	0.005414	0.005631
Std. Dev.	0.003133	0.01704	0.008071	0.002848	0.002894
Upper Lim.	0.003653	0.00575	0.02	0.00736	0.005754
Lower Lim.	0.002403	0.0029	0.0031	0.0029	0.003449

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Vanadium (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-24D	MW-25D
1/18/2016	<0.02		
7/29/2016	0.0052 (J)		
1/4/2017	<0.02		
4/6/2017	<0.02		
7/11/2017	0.0016 (J)		
1/11/2018	0.0012 (J)		
7/11/2018	0.0025 (J)		
1/18/2019	<0.02		
3/27/2019	0.002 (J)		
10/9/2019	<0.02		
4/7/2020	0.0014 (J)		
9/30/2020	<0.02		
3/10/2021	<0.02		
3/11/2021		<0.02	0.0024 (J)
9/21/2021	<0.02		
9/22/2021		<0.02	
9/23/2021			<0.02
2/1/2022		<0.02	
2/3/2022	<0.02		<0.02
8/31/2022	0.00396 (J)		<0.02
9/1/2022		0.00414 (J)	
2/2/2023	<0.02	<0.02	<0.02
8/29/2023	0.0353		
9/6/2023		<0.02	
9/7/2023			<0.02
1/23/2024	0.00394 (J)		
1/25/2024		<0.02	<0.02
8/21/2024	<0.02	<0.02	<0.02
1/28/2025	<0.02		
1/29/2025		<0.02	<0.02
7/29/2025	0.00665 (J)		
7/30/2025		<0.02	<0.02
1/27/2026			<0.02
1/28/2026	0.0048 (J)	<0.02	
Mean	0.01342	0.01856	0.0184
Std. Dev.	0.00965	0.004782	0.005307
Upper Lim.	0.02	0.02	0.02
Lower Lim.	0.00394	0.02	0.02

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
1/17/2016				<0.02	<0.1
1/18/2016	0.0092	<0.1	0.0029		
7/27/2016		0.0015 (J)		<0.02	0.0018 (J)
7/28/2016			<0.01		
7/29/2016	0.003 (J)				
1/3/2017		<0.1			
1/4/2017				<0.02	
1/5/2017			<0.01		<0.1
1/6/2017	0.0104				
4/4/2017	0.0132			<0.02	0.0015 (J)
4/6/2017		0.0023 (J)	0.0032 (J)		
7/12/2017	0.0046 (J)	<0.1	0.002 (J)	<0.02	
7/13/2017					0.0014 (J)
1/9/2018			0.0036 (J)		
1/10/2018		0.0022 (J)		0.0014 (J)	<0.1
1/11/2018	0.0095 (J)				
7/10/2018		<0.1	0.0055 (J)	0.0021 (J)	<0.1
7/11/2018	0.0028 (J)				
1/16/2019	0.0052 (J)	<0.1	<0.01	<0.02	
1/21/2019					<0.1
3/25/2019	0.0078 (J)				
3/26/2019		<0.1	<0.01	<0.02	
7/30/2019					0.0067 (J)
10/9/2019	0.0064 (J)	0.0081 (J)	0.016 (J)	0.0057 (J)	0.005 (J)
4/7/2020	<0.02	<0.1	<0.01	<0.02	
4/8/2020					<0.1
9/28/2020				0.0092 (J)	
9/29/2020					0.056
9/30/2020		<0.1	<0.01		
10/1/2020	0.0064 (J)				
3/10/2021	<0.02	<0.1	<0.01	<0.02	
3/15/2021					<0.1
9/21/2021	<0.02	<0.1	<0.01		
9/22/2021					<0.1
9/23/2021				<0.02	
2/2/2022	<0.02		<0.01		<0.1
2/3/2022		<0.1		<0.02	
8/30/2022	<0.02	<0.1	0.0132 (J)		
9/1/2022				0.00578 (J)	0.0125 (J)
2/1/2023		<0.1	0.0121 (J)		
2/2/2023	<0.02			<0.02	<0.1
8/29/2023	<0.02	<0.1	0.0406	<0.02	<0.1
1/23/2024			0.0212	<0.02	
1/25/2024					<0.1
2/7/2024	0.00455 (J)				
2/8/2024		<0.1			
8/20/2024	0.00972 (J)		0.0355	0.00917 (J)	
8/21/2024		<0.1			<0.1
1/28/2025	0.00735 (J)		0.0206		
1/29/2025		<0.1		0.00514 (J)	<0.1
7/28/2025	<0.02				
7/29/2025			0.0152 (J)	<0.02	

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWB-4R	GWB-5R	GWB-6R	GWC-1	GWC-2
7/30/2025		<0.1			<0.1
1/27/2026	<0.02			<0.02	
1/28/2026		<0.1	0.0373		<0.1
Mean	0.01218	0.08322	0.01387	0.01559	0.07326
Std. Dev.	0.006818	0.03741	0.01071	0.007006	0.04261
Upper Lim.	0.02	0.1	0.01439	0.02	0.1
Lower Lim.	0.0064	0.0081	0.004571	0.00917	0.0125

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/17/2016					<0.02
1/18/2016	0.0059		0.0025	0.0017 (J)	
1/19/2016		0.0029			
4/26/2016					<0.02
7/26/2016		<0.02		0.0028 (J)	
7/27/2016			0.0021 (J)		<0.02
7/28/2016	0.0019 (J)				
10/25/2016					<0.02
1/4/2017		<0.02	0.0025 (J)		
1/5/2017				0.0021 (J)	<0.02
1/6/2017	0.0026 (J)				
4/4/2017					<0.02
4/5/2017			0.0026 (J)		
4/6/2017	0.0047 (J)	0.004 (J)		0.0027 (J)	
7/10/2017			0.0023 (J)		
7/11/2017		<0.02			<0.02
7/12/2017	0.003 (J)			0.0043 (J)	
10/2/2017					0.0026 (J)
1/9/2018					0.0018 (J)
1/10/2018				0.0021 (J)	
1/11/2018	0.0046 (J)	0.0018 (J)	0.0031 (J)		
7/9/2018					<0.02
7/11/2018	0.0033 (J)	<0.02	0.0036 (J)	0.0039 (J)	
1/16/2019				0.047	<0.02
1/17/2019		<0.02	0.0032 (J)		
1/18/2019	0.0025 (J)				
3/26/2019				0.03	<0.02
3/27/2019	0.0026 (J)	<0.02	0.0031 (J)		
10/8/2019		0.0061 (J)		0.053	0.0052 (J)
10/9/2019	0.0054 (J)		0.0057 (J)		
4/7/2020		<0.02	<0.02		<0.02
4/8/2020	<0.1			0.023	
9/28/2020				0.016	
9/29/2020		0.0031 (J)	0.0074 (J)		<0.02
10/1/2020	0.025				
3/10/2021	<0.1	<0.02	<0.02		
3/15/2021				0.039	
3/16/2021					<0.02
9/21/2021		<0.02	<0.02	0.036	
9/22/2021	<0.1				0.01
2/2/2022	<0.1				<0.02
2/3/2022		<0.02	<0.02	0.037	
8/30/2022			0.0262		<0.02
8/31/2022		<0.02		0.0266	
9/1/2022	0.0163 (J)				
2/1/2023	<0.1	<0.02	0.00334 (J)	0.025	
2/2/2023					<0.02
8/29/2023	<0.1			0.0194 (J)	
9/6/2023		0.00479 (J)	<0.02		<0.02
1/24/2024	<0.1	<0.02			
1/25/2024			<0.02	0.0195 (J)	<0.02
8/21/2024	0.0137 (J)	0.0392	0.00744 (J)	0.0168 (J)	<0.02

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-9	GWC-11	GWC-12	GWC-13	GWC-14
1/28/2025		<0.02			
1/29/2025	<0.1		<0.02	0.0186 (J)	<0.02
7/29/2025		<0.02			
7/30/2025	<0.1		<0.02	0.0151 (J)	<0.02
1/27/2026		<0.02			
1/28/2026	<0.1		<0.02	0.0185 (J)	<0.02
Mean	0.04746	0.0166	0.01109	0.02	0.01768
Std. Dev.	0.0474	0.008773	0.008745	0.01513	0.005702
Upper Lim.	0.1	0.02	0.02	0.02792	0.02
Lower Lim.	0.0033	0.0061	0.0031	0.01209	0.01

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/17/2016	<0.02	<0.02		<0.02	<0.02
1/18/2016			0.012		
4/26/2016		<0.02			
7/27/2016	<0.02				
7/28/2016		<0.02		<0.02	<0.02
7/29/2016			0.0086 (J)		
10/25/2016	<0.02	<0.02		<0.02	
1/4/2017		0.0025 (J)		<0.02	<0.02
1/5/2017	<0.02		0.016		
4/3/2017	<0.02				
4/4/2017				<0.02	0.0015 (J)
4/5/2017		0.0025 (J)	0.0175		
7/11/2017	<0.02			<0.02	
7/12/2017		0.002 (J)			
7/13/2017			0.0126		0.002 (J)
10/2/2017	<0.02			<0.02	
10/3/2017		<0.02			
1/9/2018	<0.02				0.0016 (J)
1/10/2018		0.0016 (J)		0.0034 (J)	
1/11/2018			0.012		
7/9/2018				<0.02	
7/10/2018	<0.02	0.0031 (J)			<0.02
7/11/2018			0.011		
1/16/2019			0.0094 (J)		
1/17/2019	<0.02	<0.02			<0.02
1/21/2019				<0.02	
3/25/2019				<0.02	
3/26/2019	<0.02	<0.02	0.0057 (J)		<0.02
10/8/2019	0.0051 (J)	0.01			0.0071 (J)
10/9/2019			0.011	0.0049 (J)	
4/7/2020	<0.02	<0.02			<0.02
4/8/2020			<0.01	<0.02	
9/30/2020	0.032	0.0051 (J)	0.0043 (J)	0.031	0.0096 (J)
3/11/2021			0.0056 (J)		
3/12/2021	<0.02			<0.02	
3/16/2021		<0.02			<0.02
9/22/2021		<0.02	<0.01	<0.02	<0.02
9/23/2021	<0.02				
2/1/2022		<0.02	0.011	<0.02	<0.02
2/3/2022	<0.02				
8/30/2022				0.0171 (J)	0.00814 (J)
8/31/2022	0.00395 (J)		0.0068 (J)		
9/1/2022		0.0119 (J)			
2/1/2023		<0.02	0.00583 (J)	<0.02	
2/2/2023	<0.02				<0.02
8/29/2023			0.00535 (J)		
9/6/2023		<0.02		<0.02	<0.02
9/7/2023	<0.02				
1/24/2024	<0.02		0.00654 (J)	<0.02	
1/25/2024		<0.02			<0.02
8/21/2024	<0.02	<0.02	0.0066 (J)	<0.02	
8/22/2024					<0.02

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-15	GWC-16	GWC-17	GWC-20	GWC-21
1/28/2025			0.00759 (J)		
1/29/2025	<0.02	<0.02		0.00569 (J)	<0.02
7/29/2025			0.0063 (J)	<0.02	
7/30/2025	<0.02	<0.02			<0.02
1/27/2026	<0.02			<0.02	
1/28/2026		<0.02	0.0117 (J)		<0.02
Mean	0.01924	0.01533	0.008844	0.01848	0.01608
Std. Dev.	0.005038	0.007436	0.003675	0.005702	0.006965
Upper Lim.	0.032	0.02	0.01077	0.02	0.02
Lower Lim.	0.0051	0.01	0.006922	0.0171	0.0096

ND substitution: RL or RL/2 if <15% NDs.

Confidence Interval

Constituent: Zinc (mg/L) Analysis Run 3/30/2026 3:34 PM View: Appendix II & IV

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

	GWC-22	MW-23D	MW-24D	MW-25D	MW-26D
1/18/2016	<0.02				
7/29/2016	0.0129				
1/4/2017	0.006 (J)				
4/6/2017	0.0031 (J)				
7/11/2017	0.0029 (J)				
1/11/2018	0.0106				
7/11/2018	0.0057 (J)				
1/18/2019	0.0024 (J)				
3/27/2019	<0.02				
10/9/2019	0.0079 (J)				
4/7/2020	<0.02				
9/30/2020	<0.02				
3/10/2021	<0.02				
3/11/2021		0.0067 (J)	0.0025 (J)	0.0054 (J)	0.008 (J)
9/21/2021	<0.02				<0.01
9/22/2021		<0.02	<0.02		
9/23/2021				<0.02	
2/1/2022			<0.02		
2/2/2022					<0.01
2/3/2022	<0.02	<0.02		0.051	
8/31/2022	<0.02	0.0106 (J)		0.0161 (J)	
9/1/2022			0.0102 (J)		
2/1/2023		0.0121 (J)			
2/2/2023	<0.02		<0.02	<0.02	
8/29/2023	0.0054 (J)				
9/6/2023		<0.02	<0.02		
9/7/2023				<0.02	
1/23/2024	<0.02				
1/24/2024		<0.02			
1/25/2024			<0.02	0.00738 (J)	0.0401
8/20/2024					0.0261
8/21/2024	0.0141 (J)	<0.02	<0.02	<0.02	
1/28/2025	<0.02				0.0169 (J)
1/29/2025		0.00452 (J)	<0.02	<0.02	
7/29/2025	0.0173 (J)	0.00389 (J)			0.0166 (J)
7/30/2025			<0.02	0.0132 (J)	
1/27/2026				0.00556 (J)	
1/28/2026	<0.02	0.0175 (J)	<0.02		0.00644 (J)
Mean	0.01427	0.01412	0.01752	0.01806	0.01677
Std. Dev.	0.006989	0.006728	0.005784	0.0125	0.01138
Upper Lim.	0.02	0.02	0.02	0.02039	0.02668
Lower Lim.	0.006	0.00452	0.0102	0.005077	0.005878

ND substitution: RL or RL/2 if <15% NDs.

FIGURE L.

Appendix II & IV Trend Tests - Confidence Interval Exceedances - Significant Results

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.000675**	**-121**	**-101**	**Yes**	**28**	**21.43**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-15**	**0.0276**	**276**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008752**	**239**	**106**	**Yes**	**29**	**0**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.000351**	**-121**	**-76**	**Yes**	**23**	**17.39**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001556**	**-104**	**-81**	**Yes**	**24**	**33.33**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.00258**	**108**	**81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00009265**	**-97**	**-81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWB-4R**	**0.01309**	**126**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWC-20**	**0.05132**	**88**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**

Appendix II & IV Trend Tests - Confidence Interval Exceedances - All Results

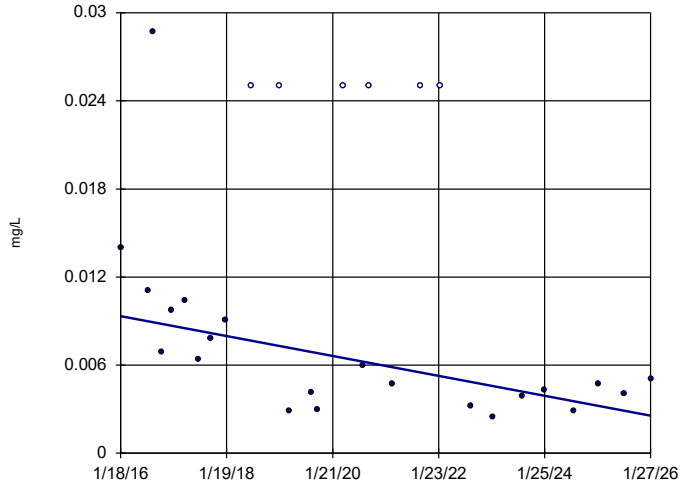
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF Printed 3/30/2026, 3:43 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Arsenic (mg/L)	**GWA-7 (bg)**	**-0.000675**	**-121**	**-101**	**Yes**	**28**	**21.43**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWA-8 (bg)	0	37	106	No	29	72.41	n/a	0.05	NP
Arsenic (mg/L)	**GWC-15**	**0.0276**	**276**	**101**	**Yes**	**28**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	**GWC-16**	**0.008752**	**239**	**106**	**Yes**	**29**	**0**	**n/a**	**0.05**	**NP**
Arsenic (mg/L)	GWC-20	0.0008421	4	101	No	28	0	n/a	0.05	NP
Cobalt (mg/L)	**GWA-7 (bg)**	**-0.000351**	**-121**	**-76**	**Yes**	**23**	**17.39**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWA-8 (bg)**	**-0.00001556**	**-104**	**-81**	**Yes**	**24**	**33.33**	**n/a**	**0.05**	**NP**
Cobalt (mg/L)	**GWB-6R**	**0.00258**	**108**	**81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	**GWA-7 (bg)**	**-0.00009265**	**-97**	**-81**	**Yes**	**24**	**54.17**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWA-8 (bg)	0	0	81	No	24	100	n/a	0.05	NP
Molybdenum (mg/L)	**GWB-4R**	**0.01309**	**126**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**
Molybdenum (mg/L)	GWC-16	-0.004095	-23	-81	No	24	0	n/a	0.05	NP
Molybdenum (mg/L)	**GWC-20**	**0.05132**	**88**	**81**	**Yes**	**24**	**0**	**n/a**	**0.05**	**NP**

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 28

Slope = -0.000675 units per year.

Mann-Kendall statistic = -121
critical = -101

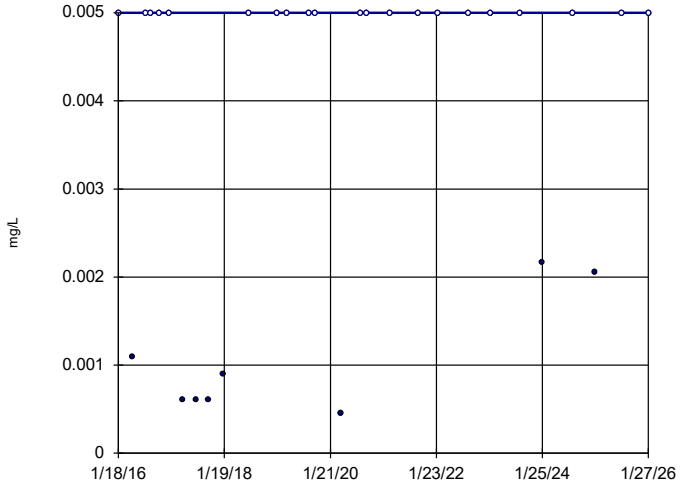
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 37
critical = 106

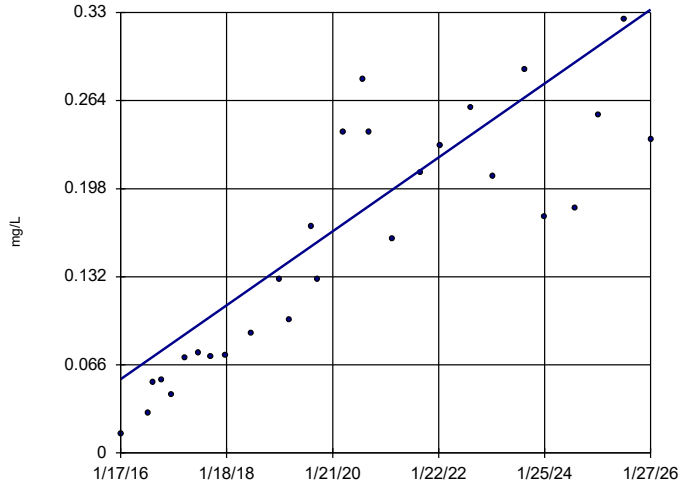
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-15



n = 28

Slope = 0.0276 units per year.

Mann-Kendall statistic = 276
critical = 101

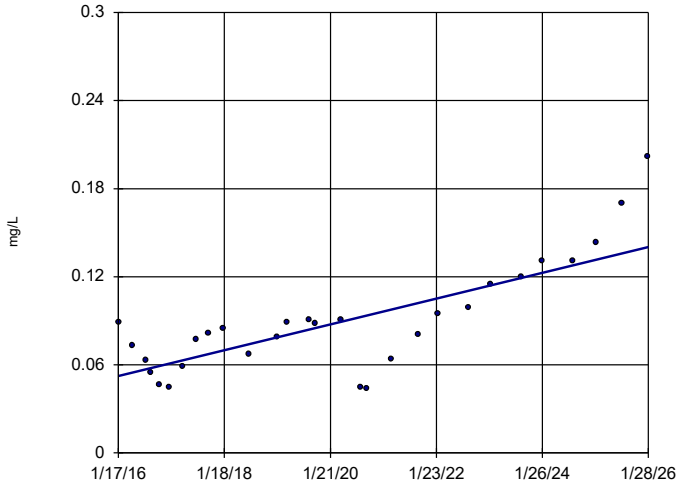
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-16



n = 29

Slope = 0.008752 units per year.

Mann-Kendall statistic = 239
critical = 106

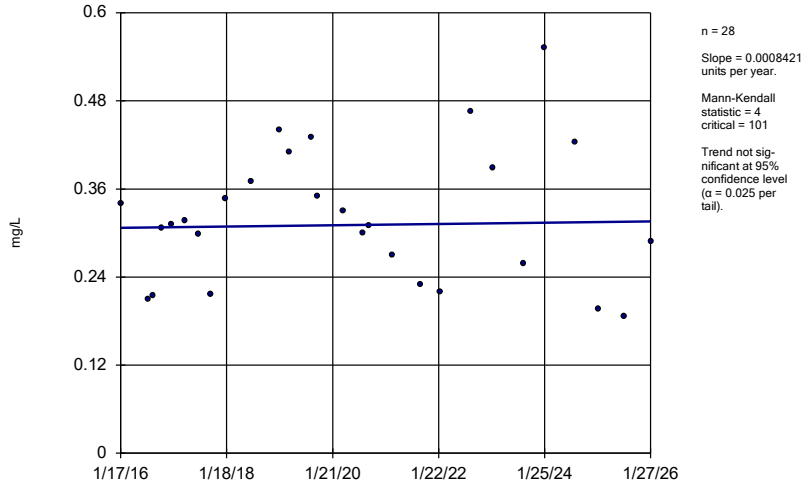
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Sen's Slope Estimator

GWC-20



n = 28

Slope = 0.0008421 units per year.

Mann-Kendall statistic = 4 critical = 101

Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Arsenic Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test

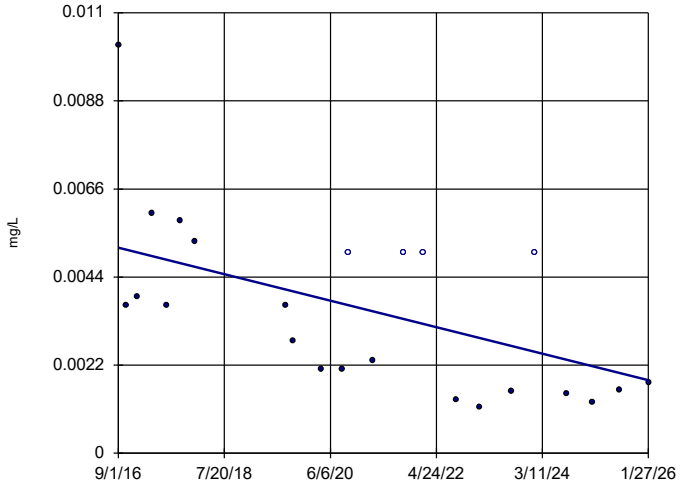
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 23

Slope = -0.000351 units per year.

Mann-Kendall statistic = -121 critical = -76

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test

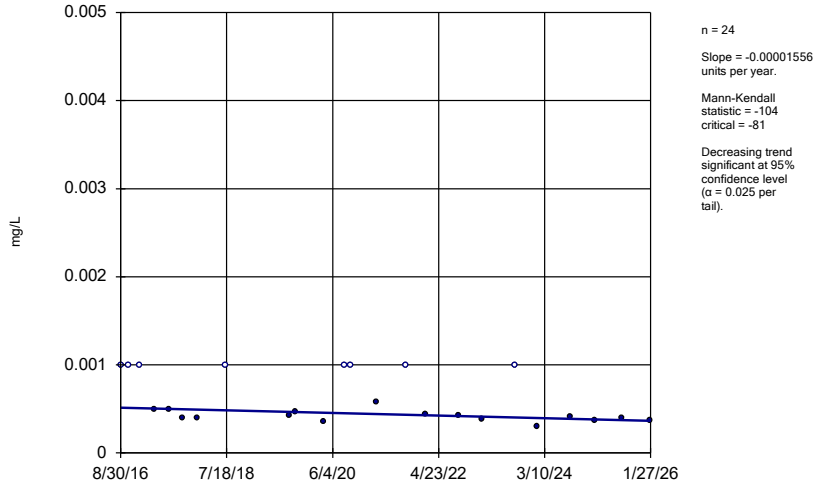
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 24

Slope = -0.00001556 units per year.

Mann-Kendall statistic = -104 critical = -81

Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Cobalt Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test

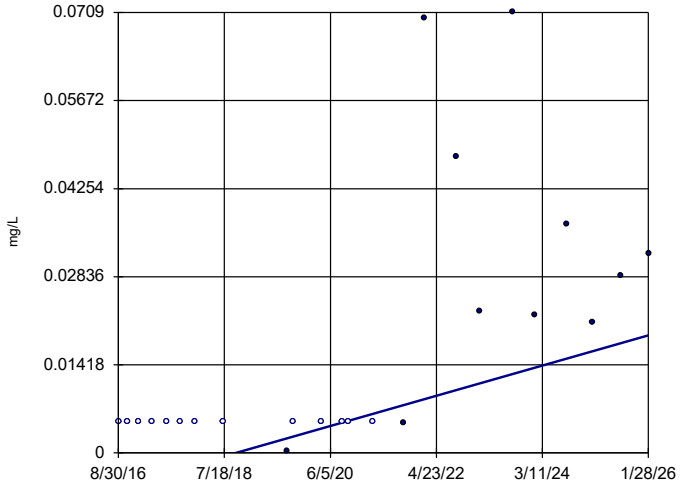
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

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Hollow symbols indicate censored values.

Sen's Slope Estimator

GWB-6R



n = 24

Slope = 0.00258 units per year.

Mann-Kendall statistic = 108 critical = 81

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

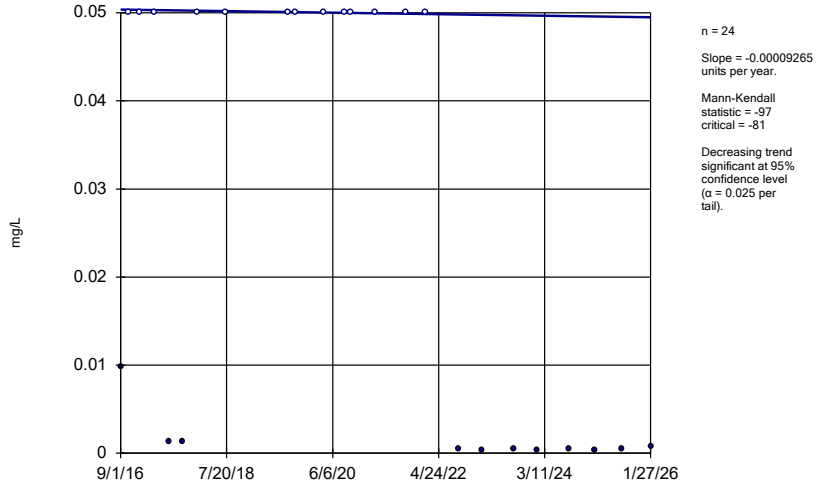
Constituent: Cobalt Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-7 (bg)



n = 24

Slope = -0.00009265 units per year.

Mann-Kendall statistic = -97
critical = -81

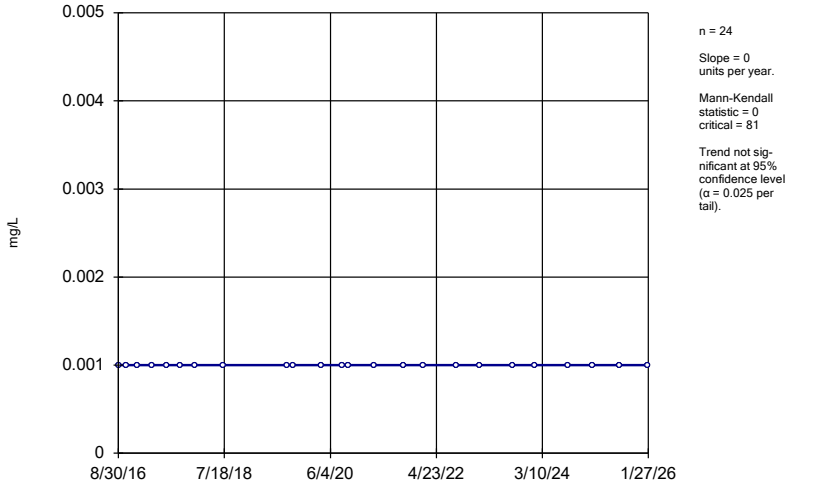
Decreasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-8 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

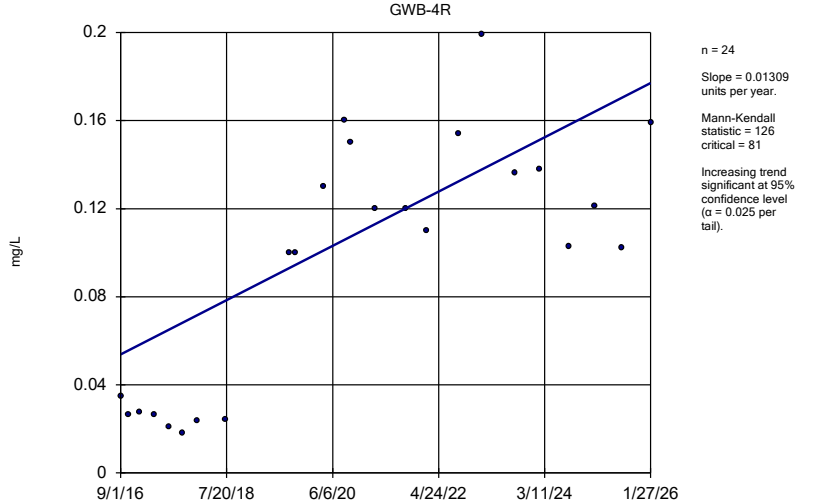
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWB-4R



n = 24

Slope = 0.01309 units per year.

Mann-Kendall statistic = 126
critical = 81

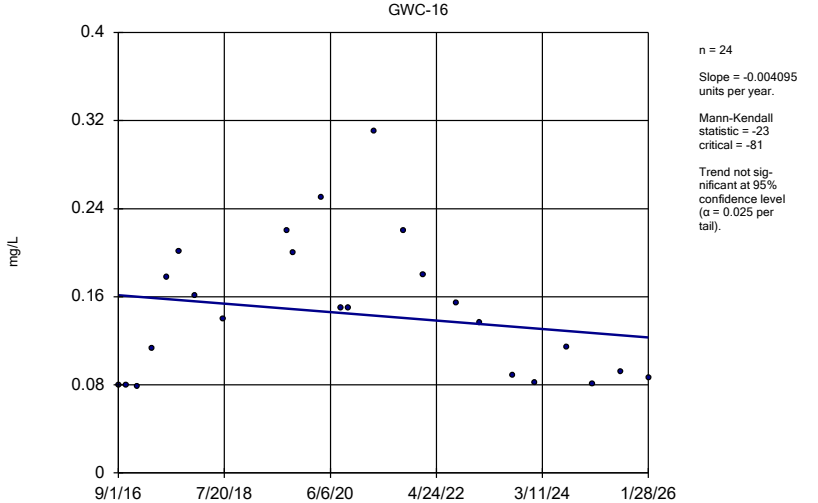
Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-16



n = 24

Slope = -0.004095 units per year.

Mann-Kendall statistic = -23
critical = -81

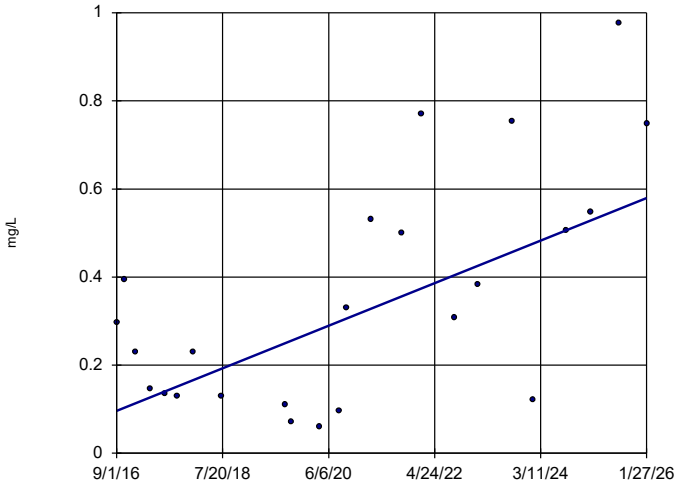
Trend not significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test
Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

Sanitas™ v.10.1.06 Software licensed to Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-20



n = 24

Slope = 0.05132 units per year.

Mann-Kendall statistic = 88
critical = 81

Increasing trend significant at 95% confidence level (α = 0.025 per tail).

Constituent: Molybdenum Analysis Run 3/30/2026 3:41 PM View: Appendix II & IV - Trend Test

Grumman Road Landfill Client: Southern Company Data: Grumman Road LF

APPENDIX D

Potable Well Survey

Grumman Road Private Industrial Landfill
Chatham County, Georgia
2026 Annual Groundwater Monitoring and Corrective Action Report

Grumman Road Landfill
120 Gulfstream Road
Savannah, GA 31408

Inquiry Number: 8214370.1s
January 05, 2026

The EDR GeoCheck® Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Physical Setting Source Map ---- **A-8**

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Physical Setting Source Records Searched ---- **PSGR-1**

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GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

GRUMMAN ROAD LANDFILL
120 GULFSTREAM ROAD
SAVANNAH, GA 31408

TARGET PROPERTY COORDINATES

Latitude (North):	32.142203 - 32° 8' 31.93''
Longitude (West):	81.183529 - 81° 11' 0.70''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	482691.1
UTM Y (Meters):	3556024.5
Elevation:	41 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	32081-B2 PORT WENTWORTH, GA SC
Version Date:	1998

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).

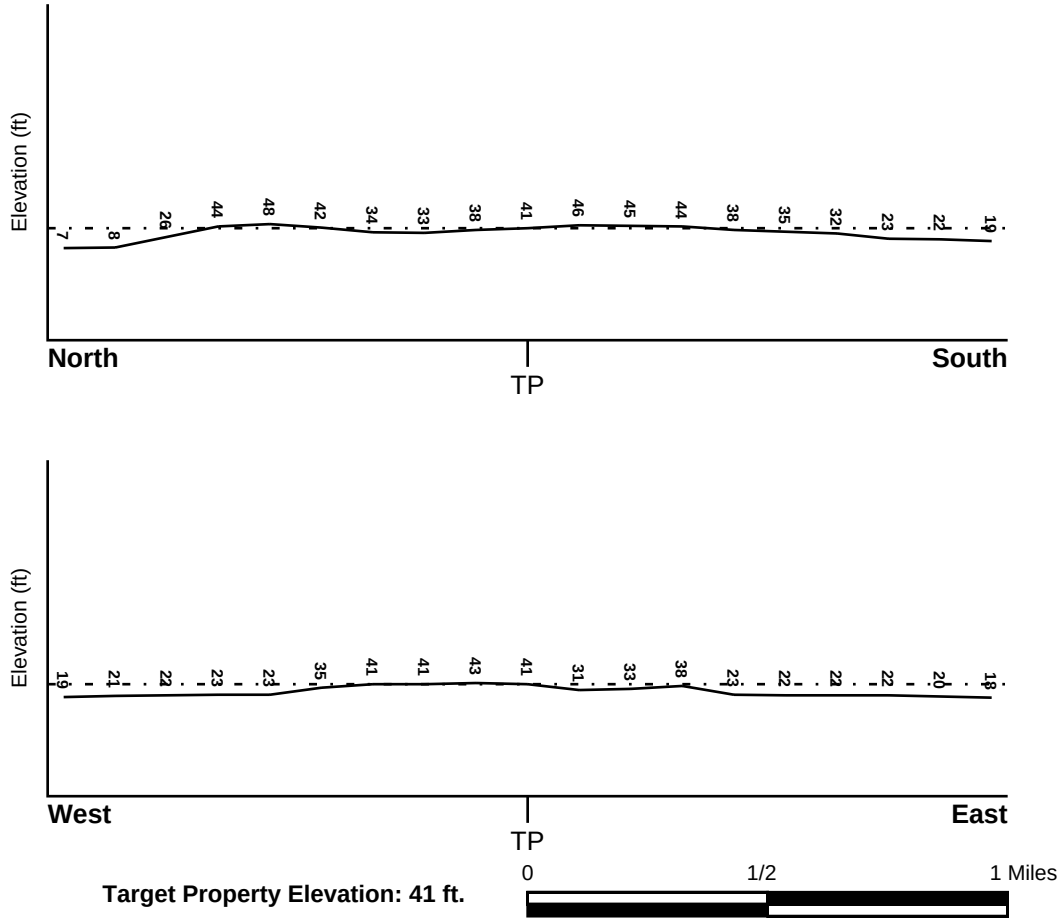
TOPOGRAPHIC INFORMATION

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 NNE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 41 ft.

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
13051C0045F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
13051C0040G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PORT WENTWORTH	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
B5	1/2 - 1 Mile NW	E
B6	1/2 - 1 Mile NW	WNW
B7	1/2 - 1 Mile NW	Not Reported
B8	1/2 - 1 Mile NW	Varies

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Holocene
Code:	Qh *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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:	MANDARIN
Soil Surface Texture:	fine sand
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Somewhat poorly. Soils commonly have a layer with low hydraulic conductivity, wet state high in profile, etc. Depth to water table is 1 to 3 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
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	26 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.00 Min: 3.60
2	26 inches	40 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 3.60
3	40 inches	73 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 3.60
4	73 inches	80 inches	fine sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 2.00 Min: 0.60	Max: 7.30 Min: 3.60

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: sand

Surficial Soil Types: sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sand

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
A3	USGS40000259556	1/2 - 1 Mile South
C9	USGS40000259548	1 - 2 Miles South
D12	USGS40000259536	1 - 2 Miles SSW
D16	USGS40000259535	1 - 2 Miles SSW
E18	USGS40000259566	1 - 2 Miles WSW
F22	USGS40000259654	1 - 2 Miles North
G23	USGS40000259537	1 - 2 Miles SE
H24	USGS40000259637	1 - 2 Miles NE
H28	USGS40000259634	1 - 2 Miles NE
H30	USGS40000259635	1 - 2 Miles NE
I32	USGS40000259658	1 - 2 Miles North
J33	USGS40000259527	1 - 2 Miles SSW
J36	USGS40000259528	1 - 2 Miles SSW
I38	USGS40000259661	1 - 2 Miles North
J41	USGS40000259520	1 - 2 Miles SSW
45	USGS40000259664	1 - 2 Miles North
46	USGS40000259620	1 - 2 Miles ENE
47	USGS40000259587	1 - 2 Miles East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
4	GA0510057	1/2 - 1 Mile ESE
11	GA0510268	1 - 2 Miles ENE
D14	GA0510102	1 - 2 Miles SSW
F19	GA0510020	1 - 2 Miles NNE
F20	GA0510019	1 - 2 Miles North
H29	GA0510002	1 - 2 Miles NE
H31	GA0510002	1 - 2 Miles NE
I35	GA0510136	1 - 2 Miles North
G37	GA0510162	1 - 2 Miles SE
J39	GA0510102	1 - 2 Miles SSW
I40	GA0510137	1 - 2 Miles North
K44	GA0510102	1 - 2 Miles SSW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

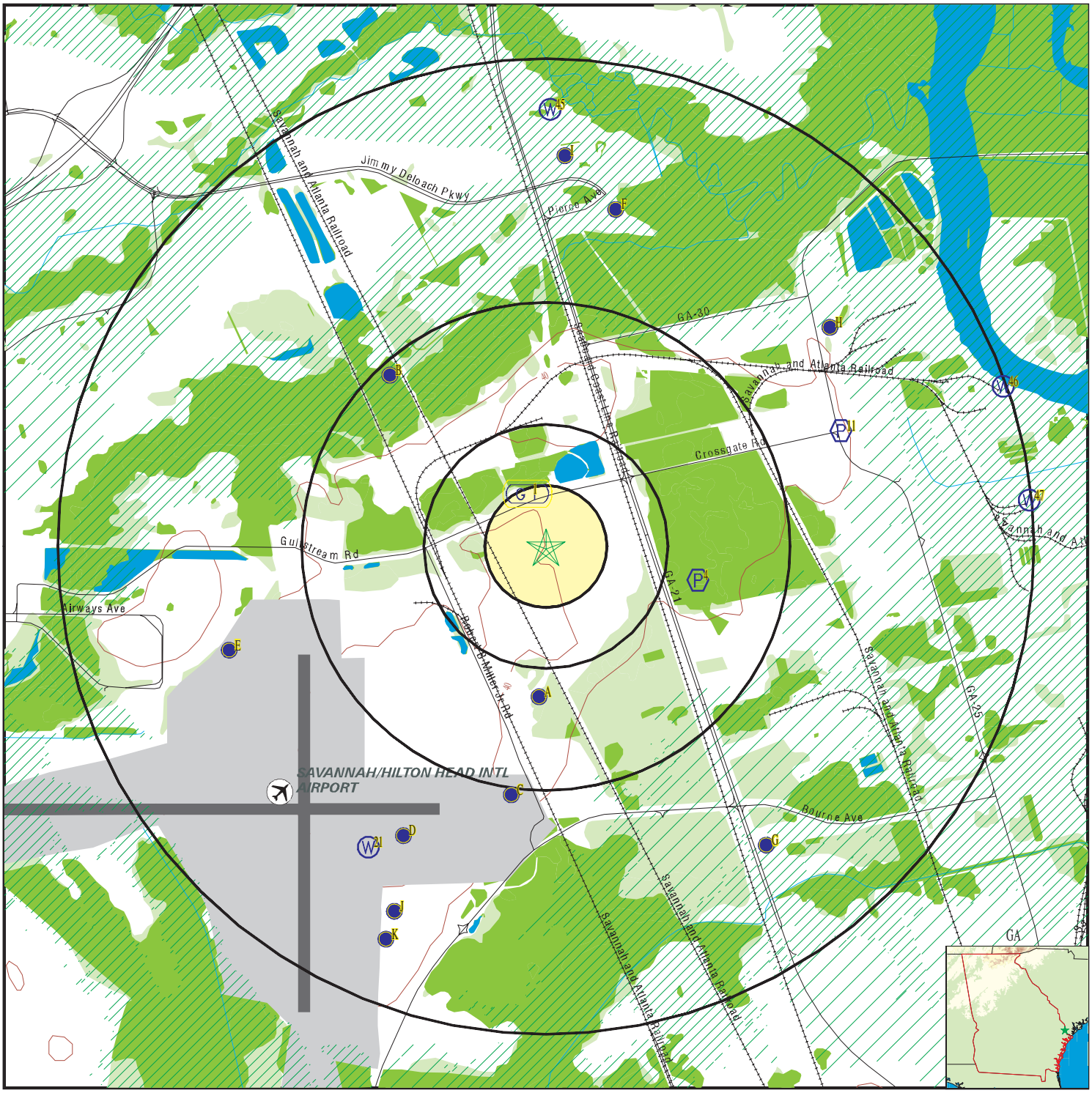
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	0000001906	1/2 - 1 Mile South
C10	0000001904	1 - 2 Miles South
D13	0000001901	1 - 2 Miles SSW
D15	614	1 - 2 Miles SSW
E17	0000001908	1 - 2 Miles WSW
21	615	1 - 2 Miles SSW
H25	612	1 - 2 Miles NE
H26	0000001919	1 - 2 Miles NE
H27	0000001918	1 - 2 Miles NE
J34	0000001899	1 - 2 Miles SSW
J42	0000001897	1 - 2 Miles SSW
K43	617	1 - 2 Miles SSW

PHYSICAL SETTING SOURCE MAP - 8214370.1s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- 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:	Grumman Road Landfill	CLIENT:	ANCHOR QEA, LLC
ADDRESS:	120 Gulfstream Road Savannah GA 31408	CONTACT:	Joe Smith
		INQUIRY #:	8214370.1s
LAT/LONG:	32.142203 / 81.183529	DATE:	January 05, 2026 3:11 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
1 **NNW** **1/8 - 1/4 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	9000518 NOT REPORTED 6 9 Not Reported 10-23-90	**AQUIFLOW**	**11620**

A2
South
1/2 - 1 Mile
Lower

GA WELLS **0000001906**

County code:	051	Well num:	36R006
Remarks:	PORT WENTWORTH CORP 1	Lat:	320759
Lon:	0811103	Latlon datum:	NAD27
Alt:	40.00	Alt datum:	NGVD29
Depth:	1088	Depth to casing:	270.00
Casing dia:	10.00	Casing matl:	Not Reported
Depth to top:	271.00	Depth to bot:	1088.00
Opening type:	X	Constr date:	195610
Discharge:	Not Reported	Prim use:	C
Aquifer code:	120FLRD	Edr id:	0000001906

A3
South
1/2 - 1 Mile
Lower

FED USGS **USGS40000259556**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R006	Type:	Well
Description:	PORT WENTWORTH CORP 1	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Floridan aquifer system	Formation Type:	Floridan Aquifer System
Aquifer Type:	Confined multiple aquifer	Construction Date:	19561001
Well Depth:	1088	Well Depth Units:	ft
Well Hole Depth:	1089	Well Hole Depth Units:	ft

4
ESE
1/2 - 1 Mile
Lower

FRDS PWS **GA0510057**

Epa region:	04	State:	GA
Pwsid:	GA0510057	Pwsname:	WOODLAWN TERRACE
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13025
Status:	Closed	Retpopsrvd:	730
Pwssvcconn:	210	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	unknown
Contact:	WOODLAWN TERRACE	Contactorgname:	Not Reported
Contactphone:	912-964-1711	Contactaddress1:	Not Reported
Contactaddress2:	96 MAIN ST.	Contactcity:	GARDEN
Contactstate:	GA	Contactzip:	31408
Pwsactivitycode:	I		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pwsid:	GA0510057	Facid:	1T
Facname:	06DW00000000000	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	chlorination (frds-1.5)	Factypecode:	TP
Pwsid:	GA0510057	Facid:	2T
Facname:	00DW00000000000	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	chlorination (frds-1.5)	Factypecode:	TP
PWS ID:	GA0510057	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510057
Activity status:	Active	Date system activated:	7706
Date system deactivated:	Not Reported	Retail population:	00000730
System name:	WOODLAWN TERRACE	System address:	Not Reported
System address:	96 MAIN ST.	System city:	GARDEN
System state:	GA	System zip:	31408
County FIPS:	025	City served:	SAVANNAH GEORGI
Population served:	501 - 1,000 Persons	Treatment:	Treated
Latitude:	320534	Longitude:	0811023
Latitude:	320824	Longitude:	0811023

B5
NW
1/2 - 1 Mile
Lower

Site ID:	9-025076
Groundwater Flow:	E
Shallow Water Depth:	7 FT.
Deep Water Depth:	8 FT.
Average Water Depth:	Not Reported
Date:	FEB. 29, 1996

AQUIFLOW **11615**

B6
NW
1/2 - 1 Mile
Lower

Site ID:	9-025152
Groundwater Flow:	WNW
Shallow Water Depth:	2.5 FT
Deep Water Depth:	5 FT.
Average Water Depth:	Not Reported
Date:	AUGUST 29, 1994

AQUIFLOW **11616**

B7
NW
1/2 - 1 Mile
Lower

Site ID:	4250162
Groundwater Flow:	Not Reported
Shallow Water Depth:	15
Deep Water Depth:	18
Average Water Depth:	Not Reported
Date:	12

AQUIFLOW **19243**

B8
NW
1/2 - 1 Mile
Lower

Site ID:	4250096
Groundwater Flow:	Varies
Shallow Water Depth:	3.5
Deep Water Depth:	13.14
Average Water Depth:	Not Reported
Date:	Not Reported

AQUIFLOW **19071**

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C9
South
1 - 2 Miles
Lower

FED USGS **USGS40000259548**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R009	Type:	Well
Description:	CHEROKEE OIL TW	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19200101
Well Depth:	2150	Well Depth Units:	ft
Well Hole Depth:	2150	Well Hole Depth Units:	ft

C10
South
1 - 2 Miles
Lower

GA WELLS **0000001904**

County code:	051	Well num:	36R009
Remarks:	CHEROKEE OIL TW	Lat:	320738
Lon:	0811110	Latlon datum:	NAD27
Alt:	21.50	Alt datum:	NGVD29
Depth:	2150	Depth to casing:	2126.00
Casing dia:	8.00	Casing matl:	Not Reported
Depth to top:	2126	Depth to bot:	2150
Opening type:	X	Constr date:	1920
Discharge:	Not Reported	Prim use:	U
Aquifer code:	Not Reported	Edr id:	0000001904

11
ENE
1 - 2 Miles
Lower

FRDS PWS **GA0510268**

Epa region:	04	State:	GA
Pwsid:	GA0510268	Pwsname:	GA PACIFIC- GA STEAMSHIP CO.
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	70
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	GA PACIFIC- GA STEAMSHIP CO.		
Contactorgname:	Not Reported	Contactphone:	Not Reported
Contactaddress1:	Not Reported	Contactaddress2:	Not Reported
Contactcity:	Not Reported	Contactstate:	Not Reported
Contactzip:	Not Reported	Pwsactivitycode:	I
PWS ID:	GA0510268	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510268
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000070
System name:	GA PACIFIC- GA STEAMSHIP CO.		
System address:	GA PACIFIC-GA STEAMSHIP CO.		

System address:	4226 CROSSGATE RD	System city:	PORT WENTWORTH
System state:	GA	System zip:	31407
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	320856	Longitude:	0810947
Latitude:	315902	Longitude:	0810657

D12
SSW
1 - 2 Miles
Higher

FED USGS **USGS40000259536**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36Q014	Type:	Well
Description:	SAVANNAH, GA 19	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Floridan aquifer system	Formation Type:	Upper Floridan Aquifer
Aquifer Type:	Confined multiple aquifer	Construction Date:	19450101
Well Depth:	680	Well Depth Units:	ft
Well Hole Depth:	680	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	9	Level reading date:	2000-09-08
Feet below surface:	101.88	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1998-05-25	Feet below surface:	98.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-21	Feet below surface:	125.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-20	Feet below surface:	102.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-31	Feet below surface:	105.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-30	Feet below surface:	102.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-04	Feet below surface:	90.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-05-03	Feet below surface:	96.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-02	Feet below surface:	99.62
Feet to sea level:	Not Reported	Note:	Not Reported

D13
SSW
1 - 2 Miles
Higher

GA WELLS **0000001901**

County code:	051	Well num:	36Q014
Remarks:	SAVANNAH, GA 19	Lat:	320729

Lon:	0811134	Latlon datum:	NAD27
Alt:	45.06	Alt datum:	NGVD29
Depth:	680	Depth to casing:	250.00
Casing dia:	12.00	Casing matl:	Not Reported
Depth to top:	250.00	Depth to bot:	680.00
Opening type:	X	Constr date:	1945
Discharge:	Not Reported	Prim use:	P
Aquifer code:	120FLRDU	Edr id:	0000001901

D14
SSW **FRDS PWS** **GA0510102**
1 - 2 Miles
Higher

Epa region:	04	State:	GA
Pwsid:	GA0510102	Pwsname:	SAVANNAH-TRAVIS FIELD
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	304
Pwssvcconn:	117	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	JUE, HARRY	Contactorgname:	Not Reported
Contactphone:	912-651-4241	Contactaddress1:	POB 1027
Contactaddress2:	Not Reported	Contactcity:	SAVANNAH
Contactstate:	GA	Contactzip:	314021027
Pwsactivitycode:	I		

Pwsid:	GA0510102	Facid:	3972
Facname:	WELL #17 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	GA0510102	Facid:	3979
Facname:	WELL #18 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	GA0510102	Facid:	3985
Facname:	WELL #19 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	GA0510102	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510102
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00001100
System name:	SAVANNAH-TRAVIS FIELD	System address:	SAVANNAH-TRAVIS FIELD
System address:	702 STILES AVE	System city:	SAVANNAH
System state:	GA	System zip:	31402

Population served:	1,001 - 2,500 Persons	Treatment:	Treated

Latitude:	320731	Longitude:	0811140

Latitude:	320705	Longitude:	0811140

Latitude:	320710	Longitude:	0811136

State:	GA	Latitude degrees:	32

Latitude minutes:	7	Latitude seconds:	5.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	40.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	10.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	36.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	31.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	40.0000		

D15
SSW
1 - 2 Miles
Higher

GA WELLS 614

Id:	614	Water source id:	25M4B19
Name:	CITY OF SAVANNAH-TRAVIS F	Latitude:	32.1247
Longitude:	81.1942	Source:	G
Gw mgd:	0.67	Sw mgd:	0.00
Status:	1	Gwsi id:	36Q014
Population:	0	County:	CHATHAM
County fips:	51	Ggs:	1

D16
SSW
1 - 2 Miles
Higher

FED USGS USGS40000259535

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36Q365	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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E17
WSW
1 - 2 Miles
Lower

GA WELLS 0000001908

County code:	051	Well num:	36R041
Remarks:	VPI DOE 044 SAV AIRPORT	Lat:	320809
Lon:	0811221	Latlon datum:	NAD27
Alt:	20	Alt datum:	NGVD29
Depth:	1000	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:	19800810
Discharge:	Not Reported	Prim use:	U
Aquifer code:	Not Reported	Edr id:	0000001908

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E18
WSW
1 - 2 Miles
Lower

FED USGS **USGS40000259566**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R041	Type:	Well
Description:	VPI DOE 044 SAV AIRPORT	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19800810
Well Depth:	1000	Well Depth Units:	ft
Well Hole Depth:	1000	Well Hole Depth Units:	ft

F19
NNE
1 - 2 Miles
Lower

FRDS PWS **GA0510020**

Epa region:	04	State:	GA
Pwsid:	GA0510020	Pwsname:	COLLUMS TRAILER PARK
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	112
Pwssvcconn:	32	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	COLLUM, LOIS	Contactorgname:	Not Reported
Contactphone:	912-964-6163	Contactaddress1:	10 DIXIE STREET
Contactaddress2:	Not Reported	Contactcity:	PORT WENTWORTH
Contactstate:	GA	Contactzip:	31407
Pwsactivitycode:	I		

PWS ID:	GA0510020	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510020
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000112
System name:	COLLUMS TRAILER PARK	System address:	COLLUMS TRAILER PARK
System address:	10 DIXIE STREET	System city:	PORT WENTWORTH
System state:	GA	System zip:	31407

Population served:	101 - 500 Persons	Treatment:	Untreated
Latitude:	320941	Longitude:	0811042
State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	41.0000
Longitude degrees:	81	Longitude minutes:	10
Longitude seconds:	42.0000		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9200002	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	090192	Violation end date:	093092

Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

F20
North
1 - 2 Miles
Lower

FRDS PWS GA0510019

Epa region:	04	State:	GA
Pwsid:	GA0510019	Pwsname:	CHEROKEE MOBILE HOME PARK
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	88
Pwssvcconn:	33	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	ROYAL, JAMES	Contactorgname:	Not Reported
Contactphone:	912-964-4270	Contactaddress1:	6500 HIGHWAY 21
Contactaddress2:	Not Reported	Contactcity:	PORT WENTWORTH
Contactstate:	GA	Contactzip:	31407
Pwsactivitycode:	I		

Pwsid:	GA0510019	Facid:	403
Facname:	WELL #1 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	GA0510019	PWS name:	CHEROKEE MOBILE HOME PARK
Address:	6500 HIGHWAY 21	Care of:	CHEROKEE MOBILE HOME PARK
City:	PORT WENTWORTH	State:	GA
Zip:	31407	Owner:	CHEROKEE MOBILE HOME PARK
Source code:	Ground water	Population:	88

PWS ID:	GA0510019	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	County:	CHATHAM
Source:	Ground water	Treatment Objective:	DISINFECTION
Process:	HYPOCHLORINATION, POST	Population:	88

PWS ID:	GA0510019	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000088	System name:	CHEROKEE MOBILE HOME PARK
System address:	CHEROKEE MOBILE HOME PARK	System address:	6500 HIGHWAY 21
System city:	PORT WENTWORTH	System state:	GA
System zip:	31407		

Population served:	Under 101 Persons	Treatment:	Treated

Latitude:	320944	Longitude:	0811045

State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	44.0000
Longitude degrees:	81	Longitude minutes:	10
Longitude seconds:	45.0000		

Violation id:	200	Orig code:	S
State:	GA	Violation Year:	1999
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report

Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/19/1999
Cmp edt:	Not Reported		

Violation id:	30101	Orig code:	S
State:	GA	Violation Year:	2001
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2001
Cmp edt:	Not Reported		

Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	10/06/2000
Enforcement Detail:	St AO (w/penalty) issued	Enforcement Category:	Formal

Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	10/06/2000
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	30101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/02/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	30101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/10/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

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21
SSW
1 - 2 Miles
Higher

GA WELLS **615**

Id:	615	Water source id:	25M4B17
Name:	CITY OF SAVANNAH-TRAVIS F	Latitude:	32.1241
Longitude:	81.1961	Source:	G
Gw mgd:	0.67	Sw mgd:	0.00
Status:	1	Gwsi id:	Not Reported
Population:	0	County:	CHATHAM
County fips:	51	Ggs:	1

F22
North
1 - 2 Miles
Lower

FED USGS **USGS40000259654**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R022	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

G23
SE
1 - 2 Miles
Lower

FED USGS **USGS40000259537**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R019	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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H24
NE
1 - 2 Miles
Lower

FED USGS **USGS40000259637**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R008	Type:	Well
Description:	PORT WENTWORTH, GA 2	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Floridan aquifer system	Formation Type:	Upper Floridan Aquifer
Aquifer Type:	Confined multiple aquifer	Construction Date:	19230101
Well Depth:	502	Well Depth Units:	ft
Well Hole Depth:	502	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	22	Level reading date:	2000-09-14
Feet below surface:	78.70	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1998-05-22	Feet below surface:	70.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-11-10	Feet below surface:	78.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-17	Feet below surface:	80.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-05-24	Feet below surface:	89.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1985-05-20	Feet below surface:	83.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-11-01	Feet below surface:	84.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-05-18	Feet below surface:	82.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-08	Feet below surface:	82.90
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1983-06-15	Feet below surface:	79.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-03	Feet below surface:	76.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-27	Feet below surface:	81.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-21	Feet below surface:	74.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-02	Feet below surface:	79.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-04	Feet below surface:	78.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-07	Feet below surface:	79.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-14	Feet below surface:	72.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-02-20	Feet below surface:	71.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-16	Feet below surface:	70.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-09-22	Feet below surface:	72.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-29	Feet below surface:	76.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-11-30	Feet below surface:	58.35
Feet to sea level:	Not Reported	Note:	Not Reported

H25
NE
1 - 2 Miles
Lower

GA WELLS **612**

Id:	612	Water source id:	25M0301
Name:	CITY OF PORT WENTWORTH	Latitude:	32.1550
Longitude:	81.1639	Source:	G
Gw mgd:	0.29	Sw mgd:	0.00
Status:	1	Gwsi id:	36K010
Population:	3,947	County:	CHATHAM
County fips:	51	Ggs:	1

H26
NE
1 - 2 Miles
Lower

GA WELLS **0000001919**

County code:	051	Well num:	36R008
Remarks:	PORT WENTWORTH, GA 2	Lat:	320920
Lon:	0810952	Latlon datum:	NAD27

Alt:	18	Alt datum:	NGVD29
Depth:	502	Depth to casing:	200.00
Casing dia:	12.00	Casing matl:	Not Reported
Depth to top:	200.00	Depth to bot:	502.00
Opening type:	X	Constr date:	1923
Discharge:	34.72	Prim use:	P
Aquifer code:	120FLRDU	Edr id:	0000001919

H27
NE
1 - 2 Miles
Lower

GA WELLS **0000001918**

County code:	051	Well num:	36R010
Remarks:	PORT WENTWORTH, GA 1	Lat:	320918
Lon:	0810950	Latlon datum:	NAD27
Alt:	16.00	Alt datum:	NGVD29
Depth:	650	Depth to casing:	254.00
Casing dia:	12.00	Casing matl:	S
Depth to top:	254.00	Depth to bot:	650.00
Opening type:	X	Constr date:	19420930
Discharge:	525.00	Prim use:	P
Aquifer code:	Not Reported	Edr id:	0000001918

H28
NE
1 - 2 Miles
Lower

FED USGS **USGS40000259634**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R010	Type:	Well
Description:	PORT WENTWORTH, GA 1	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19420930
Well Depth:	650	Well Depth Units:	ft
Well Hole Depth:	650	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1973-08-01
Feet below surface:	61.00	Feet to sea level:	Not Reported
Note:	Not Reported		

H29
NE
1 - 2 Miles
Lower

FRDS PWS **GA0510002**

Epa region:	04	State:	GA
Pwsid:	GA0510002	Pwsname:	PORT WENTWORTH
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Active	Retpopsrvd:	7985
Pwssvcconn:	1800	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	CLAXTON, PHILLIP	Contactorgname:	CLAXTON, PHILLIP
Contactphone:	912-964-4379	Contactaddress1:	305 SOUTH COASTAL HWY.
Contactaddress2:	Not Reported	Contactcity:	PORT WENTWORTH

Contactstate:	GA	Contactzip:	31407
Pwsactivitycode:	A		
Pwsid:	GA0510002	Facid:	17602
Facname:	WELL #3 PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	GA0510002	Facid:	17602
Facname:	WELL #3 PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
Pwsid:	GA0510002	Facid:	2633
Facname:	ANTRIM ST WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	GA0510002	Facid:	2633
Facname:	ANTRIM ST WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
Pwsid:	GA0510002	Facid:	388
Facname:	APPLEBY RD WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		
Pwsid:	GA0510002	Facid:	388
Facname:	APPLEBY RD WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP
PWS ID:	GA0510002	PWS name:	PORT WENTWORTH
Address:	305 SOUTH COASTAL HIGHWAY	Care of:	CITY OF PORT WENTWORTH
City:	PORT WENTWORTH	State:	GA
Zip:	31407	Owner:	PORT WENTWORTH
Source code:	Ground water	Population:	3349
PWS ID:	GA0510002	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	PORT WENTWORTH
PWS type code:	C	Retail population served:	7985
Contact:	CLAXTON, PHILLIP	Contact address:	305 SOUTH COASTAL HWY.
Contact address:	PORT WENTWORTH	Contact city:	GA
Contact state:	31	Contact zip:	912-964-43
Contact telephone:	Not Reported		
County:	CHATHAM	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	HYPOCHLORINATION, POST
Population:	3349		
PWS ID:	GA0510002	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00002639	System name:	PORT WENTWORTH
System address:	CITY OF PORT WENTWORTH	System address:	305 SOUTH COASTAL HWY.
System city:	PORT WENTWORTH	System state:	GA
System zip:	31407		

Population served:	2,501 - 3,300 Persons	Treatment:	Treated
Latitude:	320916	Longitude:	0810948
Latitude:	320916	Longitude:	0810946
State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	16.0000
Longitude degrees:	81	Longitude minutes:	9
Longitude seconds:	46.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	16.0000
Longitude degrees:	81	Longitude minutes:	9
Longitude seconds:	48.0000		
Violation id:	20205	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	Not Reported		
Violation id:	20410	Orig code:	S
State:	GA	Violation Year:	2009
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	09/01/2009
Cmp edt:	09/30/2009		
Violation id:	20613	Orig code:	S
State:	GA	Violation Year:	2013
Contamination code:	2950	Contamination Name:	TTHM
Violation code:	02	Violation name:	MCL, Average
Rule code:	210	Rule name:	St1 DBP
Violation measur:	0.118	Unit of measure:	UG/L
State mcl:	0.08	Cmp bdt:	01/01/2013
Cmp edt:	03/31/2013		
Violation ID:	20205	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/01/2005
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	20205	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/05/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	20410	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/22/2009
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20410	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	11/16/2009
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20410	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/22/2009

Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20613	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	02/25/2014
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20613	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	02/25/2014
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
PWS name:	PORT WENTWORTH	Population served:	7985
PWS type code:	C	Violation ID:	20205
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	7/5/2005 0:00:00
Enforcement date:	7/1/2005 0:00:00	Enforcement action:	State Intentional no-action
Violation measurement:	Not Reported		
PWS name:	PORT WENTWORTH	Population served:	7985
PWS type code:	C	Violation ID:	20205
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	7/5/2005 0:00:00
Enforcement date:	7/5/2005 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

H30
NE
1 - 2 Miles
Lower

FED USGS USGS40000259635

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R013	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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H31
NE
1 - 2 Miles
Lower

FRDS PWS GA0510002

Epa region:	04	State:	GA
Pwsid:	GA0510002	Pwsname:	PORT WENTWORTH
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Active	Retpopsrvd:	7985
Pwssvcconn:	1800	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	CLAXTON, PHILLIP	Contactorgname:	CLAXTON, PHILLIP
Contactphone:	912-964-4379	Contactaddress1:	305 SOUTH COASTAL HWY.
Contactaddress2:	Not Reported	Contactcity:	PORT WENTWORTH
Contactstate:	GA	Contactzip:	31407
Pwsactivitycode:	A		
Pwsid:	GA0510002	Facid:	17602

Facname:	WELL #3 PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	GA0510002	Facid:	17602
Facname:	WELL #3 PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	GA0510002	Facid:	2633
Facname:	ANTRIM ST WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	GA0510002	Facid:	2633
Facname:	ANTRIM ST WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

Pwsid:	GA0510002	Facid:	388
Facname:	APPLEBY RD WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	gaseous chlorination, post		
Factypecode:	TP		

Pwsid:	GA0510002	Facid:	388
Facname:	APPLEBY RD WELL PLANT	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	other
Trtprocess:	fluoridation	Factypecode:	TP

PWS ID:	GA0510002	PWS name:	PORT WENTWORTH
Address:	305 SOUTH COASTAL HIGHWAY	Care of:	CITY OF PORT WENTWORTH
City:	PORT WENTWORTH	State:	GA
Zip:	31407	Owner:	PORT WENTWORTH
Source code:	Ground water	Population:	3349

PWS ID:	GA0510002	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	PORT WENTWORTH
PWS type code:	C	Retail population served:	7985
Contact:	CLAXTON, PHILLIP	Contact address:	305 SOUTH COASTAL HWY.
Contact address:	PORT WENTWORTH	Contact city:	GA
Contact state:	31	Contact zip:	912-964-43
Contact telephone:	Not Reported		

County:	CHATHAM	Source:	Ground water
Treatment Objective:	DISINFECTION	Process:	HYPOCHLORINATION, POST
Population:	3349		

PWS ID:	GA0510002	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00002639	System name:	PORT WENTWORTH
System address:	CITY OF PORT WENTWORTH	System address:	305 SOUTH COASTAL HWY.
System city:	PORT WENTWORTH	System state:	GA
System zip:	31407		

Population served:	2,501 - 3,300 Persons	Treatment:	Treated

Latitude:	320916	Longitude:	0810948

Latitude:	320916	Longitude:	0810946
State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	16.0000
Longitude degrees:	81	Longitude minutes:	9
Longitude seconds:	46.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	16.0000
Longitude degrees:	81	Longitude minutes:	9
Longitude seconds:	48.0000		
Violation id:	20205	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	Not Reported		
Violation id:	20410	Orig code:	S
State:	GA	Violation Year:	2009
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	09/01/2009
Cmp edt:	09/30/2009		
Violation id:	20613	Orig code:	S
State:	GA	Violation Year:	2013
Contamination code:	2950	Contamination Name:	TTHM
Violation code:	02	Violation name:	MCL, Average
Rule code:	210	Rule name:	St1 DBP
Violation measur:	0.118	Unit of measure:	UG/L
State mcl:	0.08	Cmp bdt:	01/01/2013
Cmp edt:	03/31/2013		
Violation ID:	20205	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/01/2005
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	20205	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	07/05/2005
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	20410	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/22/2009
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20410	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	11/16/2009
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	20410	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/22/2009
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20613	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	02/25/2014

Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20613	Orig Code:	S
Enforcemnt FY:	2014	Enforcement Action:	02/25/2014
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
PWS name:	PORT WENTWORTH	Population served:	7985
PWS type code:	C	Violation ID:	20205
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	7/5/2005 0:00:00
Enforcement date:	7/1/2005 0:00:00	Enforcement action:	State Intentional no-action
Violation measurement:	Not Reported		
PWS name:	PORT WENTWORTH	Population served:	7985
PWS type code:	C	Violation ID:	20205
Contaminant:	7000	Violation type:	71
Compliance start date:	7/1/2005 0:00:00	Compliance end date:	7/5/2005 0:00:00
Enforcement date:	7/5/2005 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

I32
North
1 - 2 Miles
Lower

FED USGS **USGS40000259658**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R021	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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J33
SSW
1 - 2 Miles
Lower

FED USGS **USGS40000259527**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36Q293	Type:	Well
Description:	SAVANNAH, GA, 17	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Floridan aquifer system	Formation Type:	Floridan Aquifer System
Aquifer Type:	Confined multiple aquifer	Construction Date:	Not Reported
Well Depth:	652	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database	EDR ID Number
GA WELLS	**0000001899**

J34
SSW
1 - 2 Miles
Lower

County code:	051	Well num:	36Q293
Remarks:	SAVANNAH, GA, 17	Lat:	320716
Lon:	0811137	Latlon datum:	NAD27
Alt:	38.93	Alt datum:	NGVD29
Depth:	652	Depth to casing:	272
Casing dia:	10	Casing matl:	Not Reported
Depth to top:	272	Depth to bot:	652
Opening type:	X	Constr date:	194208
Discharge:	Not Reported	Prim use:	P
Aquifer code:	120FLRD	Edr id:	0000001899

I35
North
1 - 2 Miles
Lower

FRDS PWS **GA0510136**

Epa region:	04	State:	GA
Pwsid:	GA0510136	Pwsname:	C & S MOBILE ESTATES
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	80
Pwssvcconn:	31	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	RAHN, CHARLES B	Contactorgname:	Not Reported
Contactphone:	912-964-8106	Contactaddress1:	POB 7865
Contactaddress2:	Not Reported	Contactcity:	GARDEN CITY
Contactstate:	GA	Contactzip:	314187865
Pwsactivitycode:	I		
PWS ID:	GA0510136	PWS name:	C & S MOBILE ESTATES
Address:	POB 7865	Care of:	C & S MOBILE ESTATES
City:	GARDEN CITY	State:	GA
Zip:	314187865	Owner:	C & S MOBILE ESTATES
Source code:	Ground water	Population:	80
PWS ID:	GA0510136	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510136
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000080
System name:	C & S MOBILE ESTATES	System address:	C & S MOBILE ESTATES
System address:	POB 7865	System city:	GARDEN CITY
System state:	GA	System zip:	314187865
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	320953	Longitude:	0811056
State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	53.0000
Longitude degrees:	81	Longitude minutes:	10
Longitude seconds:	56.0000		

Violation id:	20101	Orig code:	S
State:	GA	Violation Year:	2001
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	04/01/2001
Cmp edt:	04/30/2001		

Violation id:	20301	Orig code:	S
State:	GA	Violation Year:	2001
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	0	Unit of measure:	Not Reported
State mcl:	0	Cmp bdt:	06/01/2001
Cmp edt:	06/30/2001		

Violation id:	20401	Orig code:	S
State:	GA	Violation Year:	2001
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2001
Cmp edt:	Not Reported		

Violation id:	20602	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	22	Violation name:	MCL, Monthly (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	07/31/2002		

Violation ID:	20101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	05/24/2001
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	20101	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	05/24/2001
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	20301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/31/2001
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	20301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/31/2001
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	20401	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	09/04/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	20401	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	07/02/2001
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving

Violation ID:	20602	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	08/27/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	20602	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	08/27/2002
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	20602	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	09/11/2002
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

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J36
SSW
1 - 2 Miles
Lower

FED USGS USGS40000259528

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36Q364	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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G37
SE
1 - 2 Miles
Lower

FRDS PWS GA0510162

Epa region:	04	State:	GA
Pwsid:	GA0510162	Pwsname:	BUILDERS TRANSPORT INC.
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	65
Pwssvcconn:	3	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	BUILDERS TRANSPORT INC.	Contactorgname:	Not Reported
Contactphone:	912-964-1313	Contactaddress1:	BUILDER'S TRANSPORT INC.
Contactaddress2:	POB 2726	Contactcity:	SAVANNAH
Contactstate:	GA	Contactzip:	314982726
Pwsactivitycode:	I		
PWS ID:	GA0510162	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510162
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000050
System name:	BUILDERS TRANSPORT INC.	System address:	BUILDERS TRANSPORT, INC.
System address:	POB 7005	System city:	CAMDEN
System state:	SC	System zip:	290207005
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	341447	Longitude:	0803625

Latitude:	320724	Longitude:	0811005

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9200001	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Violation start date:	070192	Violation end date:	093092
Violation period (months):	003	Violation awareness date:	Not Reported
Major violator:	Yes	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

I38
North
1 - 2 Miles
Lower

FED USGS USGS40000259661

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R024	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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J39
SSW
1 - 2 Miles
Lower

FRDS PWS GA0510102

Epa region:	04	State:	GA
Pwsid:	GA0510102	Pwsname:	SAVANNAH-TRAVIS FIELD
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	304
Pwssvcconn:	117	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	JUE, HARRY	Contactorgname:	Not Reported
Contactphone:	912-651-4241	Contactaddress1:	POB 1027
Contactaddress2:	Not Reported	Contactcity:	SAVANNAH
Contactstate:	GA	Contactzip:	314021027
Pwsactivitycode:	I		

Pwsid:	GA0510102	Facid:	3972
Facname:	WELL #17 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	GA0510102	Facid:	3979
Facname:	WELL #18 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	GA0510102	Facid:	3985
Facname:	WELL #19 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection

Trtprocess:	hypochlorination, post	Factypecode:	TP
PWS ID:	GA0510102	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510102
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00001100
System name:	SAVANNAH-TRAVIS FIELD	System address:	SAVANNAH-TRAVIS FIELD
System address:	702 STILES AVE	System city:	SAVANNAH
System state:	GA	System zip:	31402
Population served:	1,001 - 2,500 Persons	Treatment:	Treated
Latitude:	320731	Longitude:	0811140
Latitude:	320705	Longitude:	0811140
Latitude:	320710	Longitude:	0811136
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	5.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	40.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	10.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	36.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	31.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	40.0000		

I40
North
1 - 2 Miles
Lower

FRDS PWS GA0510137

Epa region:	04	State:	GA
Pwsid:	GA0510137	Pwsname:	BARNWELL GARDENS SUBDIVISION
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Active	Retpopsrvd:	97
Pwssvcconn:	38	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Private
Contact:	THOMPSON, VINCE	Contactorgname:	THOMPSON, VINCE
Contactphone:	912-964-4770	Contactaddress1:	8144 OLD HWY. 21
Contactaddress2:	Not Reported	Contactcity:	PORT WENTWORTH
Contactstate:	GA	Contactzip:	31407
Pwsactivitycode:	A		
PWS ID:	GA0510137	PWS name:	BARNWELL GARDENS SUBDIVISION
Address:	6594 HIGHWAY 21	Care of:	BARNWELL GARDENS MHP
City:	PORT WENTWORTH	State:	GA
Zip:	31407	Owner:	BARNWELL GARDENS SUBDIVISION
Source code:	Ground water	Population:	99
PWS ID:	GA0510137	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported

PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS name:	BARNWELL GARDENS SUBDIVISION
PWS type code:	C	Retail population served:	97
Contact:	THOMPSON, VINCE	Contact address:	8144 OLD HWY. 21
Contact address:	PORT WENTWORTH	Contact city:	GA
Contact state:	31	Contact zip:	912-964-47
Contact telephone:	Not Reported		

PWS ID:	GA0510137	Activity status:	Active
Date system activated:	Not Reported	Date system deactivated:	Not Reported
Retail population:	00000071	System name:	BARNWELL GARDENS SUBDIVISION
System address:	BARNWELL GARDENS S/D	System address:	6594 HIGHWAY 21
System city:	PORT WENTWORTH	System state:	GA
System zip:	31407		

Population served:	Under 101 Persons	Treatment:	Untreated

Latitude:	320958	Longitude:	0811058

State:	GA	Latitude degrees:	32
Latitude minutes:	9	Latitude seconds:	58.0000
Longitude degrees:	81	Longitude minutes:	10
Longitude seconds:	58.0000		

Violation id:	10102	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2002
Cmp edt:	Not Reported		

Violation id:	10303	Orig code:	S
State:	GA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	25	Violation name:	Monitoring, Repeat Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	12/01/2002
Cmp edt:	12/31/2002		

Violation id:	10503	Orig code:	S
State:	GA	Violation Year:	2003
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2003
Cmp edt:	Not Reported		

Violation id:	10604	Orig code:	S
State:	GA	Violation Year:	2004
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2004
Cmp edt:	Not Reported		

Violation id:	10705	Orig code:	S
State:	GA	Violation Year:	2005

Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	05/01/2005
Cmp edt:	05/31/2005		

Violation id:	10805	Orig code:	S
State:	GA	Violation Year:	2005
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2005
Cmp edt:	Not Reported		

Violation id:	10906	Orig code:	S
State:	GA	Violation Year:	2005
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	12/01/2005
Cmp edt:	12/31/2005		

Violation id:	11006	Orig code:	S
State:	GA	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2006
Cmp edt:	01/31/2006		

Violation id:	11106	Orig code:	S
State:	GA	Violation Year:	2006
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	Not Reported		

Violation id:	11207	Orig code:	S
State:	GA	Violation Year:	2007
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2007
Cmp edt:	Not Reported		

Violation id:	11308	Orig code:	S
State:	GA	Violation Year:	2008
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	23	Violation name:	Monitoring, Routine Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	03/01/2008
Cmp edt:	03/31/2008		

Violation id:	11408	Orig code:	S

State: GA
Contamination code: 7000
Violation code: 71
Rule code: 420
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: Not Reported
Violation Year: 2008
Contamination Name: Consumer Confidence Rule
Violation name: CCR Complete Failure to Report
Rule name: CCR
Unit of measure: Not Reported
Cmp bdt: 07/01/2008

Violation id: 11508
State: GA
Contamination code: 3100
Violation code: 26
Rule code: 110
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: 06/30/2008
Orig code: S
Violation Year: 2008
Contamination Name: Coliform (TCR)
Violation name: Monitoring, Repeat Minor (TCR)
Rule name: TCR
Unit of measure: Not Reported
Cmp bdt: 06/01/2008

Violation id: 11608
State: GA
Contamination code: 3100
Violation code: 24
Rule code: 110
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: 07/31/2008
Orig code: S
Violation Year: 2008
Contamination Name: Coliform (TCR)
Violation name: Monitoring, Routine Minor (TCR)
Rule name: TCR
Unit of measure: Not Reported
Cmp bdt: 07/01/2008

Violation id: 11709
State: GA
Contamination code: 3100
Violation code: 22
Rule code: 110
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: 09/30/2008
Orig code: S
Violation Year: 2008
Contamination Name: Coliform (TCR)
Violation name: MCL, Monthly (TCR)
Rule name: TCR
Unit of measure: Not Reported
Cmp bdt: 09/01/2008

Violation id: 11809
State: GA
Contamination code: 3100
Violation code: 24
Rule code: 110
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: 10/31/2008
Orig code: S
Violation Year: 2008
Contamination Name: Coliform (TCR)
Violation name: Monitoring, Routine Minor (TCR)
Rule name: TCR
Unit of measure: Not Reported
Cmp bdt: 10/01/2008

Violation id: 11909
State: GA
Contamination code: 1040
Violation code: 03
Rule code: 331
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: 12/31/2008
Orig code: S
Violation Year: 2008
Contamination Name: Nitrate
Violation name: Monitoring, Regular
Rule name: Nitrates
Unit of measure: Not Reported
Cmp bdt: 01/01/2008

Violation id: 12009
State: GA
Contamination code: 7000
Violation code: 71
Rule code: 420
Violation measur: Not Reported
State mcl: Not Reported
Cmp edt: Not Reported
Orig code: S
Violation Year: 2009
Contamination Name: Consumer Confidence Rule
Violation name: CCR Complete Failure to Report
Rule name: CCR
Unit of measure: Not Reported
Cmp bdt: 07/01/2009

Violation id:	12109	Orig code:	S
State:	GA	Violation Year:	2009
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	24	Violation name:	Monitoring, Routine Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2009
Cmp edt:	07/31/2009		

Violation id:	12210	Orig code:	S
State:	GA	Violation Year:	2009
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	10/01/2009
Cmp edt:	Not Reported		

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9200001	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	Coliform (Tcr)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Violation start date:	040192	Violation end date:	043092
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	Not Reported	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

PWS currently has or had major violation(s) or enforcement:Yes

Violation ID:	9200002	Violation source ID:	Not Reported
PWS telephone:	Not Reported	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Repeat Minor (TCR)		
Violation start date:	040192	Violation end date:	043092
Violation period (months):	001	Violation awareness date:	Not Reported
Major violator:	No	Maximum contaminant level:	Not Reported
Number of required samples:	Not Reported	Number of samples taken:	Not Reported
Analysis method:	Not Reported	Analysis result:	Not Reported

Violation ID:	100	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	02/17/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

Violation ID:	100	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	02/17/2000
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	100	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	03/27/2000
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	10102	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/18/2002
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	10102	Orig Code:	S
Enforcemnt FY:	2002	Enforcement Action:	07/02/2002
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID: 10303 Orig Code: S
Enforcemnt FY: 2003 Enforcement Action: 01/21/2003
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 10303 Orig Code: S
Enforcemnt FY: 2003 Enforcement Action: 01/21/2003
Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 10503 Orig Code: S
Enforcemnt FY: 2003 Enforcement Action: 09/17/2003
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 10503 Orig Code: S
Enforcemnt FY: 2003 Enforcement Action: 08/11/2003
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal

Violation ID: 10604 Orig Code: S
Enforcemnt FY: 2004 Enforcement Action: 09/14/2004
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 10604 Orig Code: S
Enforcemnt FY: 2004 Enforcement Action: 08/20/2004
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal

Violation ID: 10705 Orig Code: S
Enforcemnt FY: 2005 Enforcement Action: 06/27/2005
Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 10705 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 08/21/2006
Enforcement Detail: St Public Notif received Enforcement Category: Informal

Violation ID: 10705 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 03/15/2007
Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 10705 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 05/30/2006
Enforcement Detail: St Compliance Meeting conducted
Enforcement Category: Informal

Violation ID: 10705 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 05/09/2006
Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 10705 Orig Code: S
Enforcemnt FY: 2005 Enforcement Action: 06/27/2005
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 10705 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 07/14/2006
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 10805 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 03/15/2007
Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 10805 Orig Code: S

Enforcemnt FY: 2006
Enforcement Detail: St AO (w/penalty) issued
Enforcement Action: 07/14/2006
Enforcement Category: Formal

Violation ID: 10805
Enforcemnt FY: 2006
Enforcement Detail: St Compliance achieved
Orig Code: S
Enforcement Action: 08/29/2006
Enforcement Category: Resolving

Violation ID: 10805
Enforcemnt FY: 2006
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 10/03/2005

Violation ID: 10805
Enforcemnt FY: 2005
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 08/01/2005

Violation ID: 10906
Enforcemnt FY: 2006
Enforcement Detail: St AO (w/penalty) issued
Orig Code: S
Enforcement Action: 07/14/2006
Enforcement Category: Formal

Violation ID: 10906
Enforcemnt FY: 2006
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 01/23/2006

Violation ID: 10906
Enforcemnt FY: 2006
Enforcement Detail: St Public Notif received
Orig Code: S
Enforcement Action: 08/21/2006
Enforcement Category: Informal

Violation ID: 10906
Enforcemnt FY: 2006
Enforcement Detail: St Public Notif requested
Orig Code: S
Enforcement Action: 01/23/2006
Enforcement Category: Informal

Violation ID: 10906
Enforcemnt FY: 2006
Enforcement Detail: St Compliance Meeting conducted
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 05/30/2006

Violation ID: 10906
Enforcemnt FY: 2006
Enforcement Detail: St Formal NOV issued
Orig Code: S
Enforcement Action: 05/09/2006
Enforcement Category: Informal

Violation ID: 10906
Enforcemnt FY: 2007
Enforcement Detail: St Formal NOV issued
Orig Code: S
Enforcement Action: 03/15/2007
Enforcement Category: Informal

Violation ID: 11006
Enforcemnt FY: 2006
Enforcement Detail: St Compliance Meeting conducted
Enforcement Category: Informal
Orig Code: S
Enforcement Action: 05/30/2006

Violation ID: 11006
Enforcemnt FY: 2006
Enforcement Detail: St Formal NOV issued
Orig Code: S
Enforcement Action: 05/09/2006
Enforcement Category: Informal

Violation ID: 11006
Enforcemnt FY: 2006
Enforcement Detail: St Public Notif requested
Orig Code: S
Enforcement Action: 02/22/2006
Enforcement Category: Informal

Violation ID: 11006
Enforcemnt FY: 2006
Orig Code: S
Enforcement Action: 02/22/2006

Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 11006 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 07/14/2006
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11006 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 08/21/2006
Enforcement Detail: St Public Notif received Enforcement Category: Informal

Violation ID: 11006 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 03/15/2007
Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 11106 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 07/14/2006
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11106 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 08/20/2006
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 11106 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 03/15/2007
Enforcement Detail: St Formal NOV issued Enforcement Category: Informal

Violation ID: 11106 Orig Code: S
Enforcemnt FY: 2006 Enforcement Action: 08/15/2006
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal

Violation ID: 11207 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 09/28/2007
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 11207 Orig Code: S
Enforcemnt FY: 2007 Enforcement Action: 08/31/2007
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal

Violation ID: 11308 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 04/18/2008
Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 11308 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/23/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11308 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 04/18/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 11308 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/20/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11408 Orig Code: S
Enforcemnt FY: 2010 Enforcement Action: 03/30/2010
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11408 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 08/12/2008
Enforcement Detail: State CCR Follow-up Notice
Enforcement Category: Informal

Violation ID: 11408 Orig Code: S
Enforcemnt FY: 2010 Enforcement Action: 05/03/2010
Enforcement Detail: St Compliance achieved Enforcement Category: Resolving

Violation ID: 11508 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/23/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11508 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 07/18/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 11508 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 07/18/2008
Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 11508 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/20/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11608 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/20/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11608 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 08/23/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 11608 Orig Code: S
Enforcemnt FY: 2008 Enforcement Action: 08/23/2008
Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 11608 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/23/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11709 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 10/06/2008
Enforcement Detail: St Violation/Reminder Notice
Enforcement Category: Informal

Violation ID: 11709 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 10/06/2008
Enforcement Detail: St Public Notif requested Enforcement Category: Informal

Violation ID: 11709 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/20/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11709 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/23/2009
Enforcement Detail: St AO (w/penalty) issued Enforcement Category: Formal

Violation ID: 11809 Orig Code: S
Enforcemnt FY: 2009 Enforcement Action: 02/20/2009

Enforcement Detail:	St AO (w/penalty) issued	Enforcement Category:	Formal
Violation ID:	11809	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	11/20/2008
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	11809	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	02/23/2009
Enforcement Detail:	St AO (w/penalty) issued	Enforcement Category:	Formal
Violation ID:	11809	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	11/20/2008
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	11909	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	03/20/2009
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	11909	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	04/07/2010
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	11909	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	03/30/2010
Enforcement Detail:	St AO (w/penalty) issued	Enforcement Category:	Formal
Violation ID:	11909	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	03/20/2009
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	11909	Orig Code:	S
Enforcemnt FY:	2011	Enforcement Action:	10/12/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	12009	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	10/07/2009
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	12009	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	05/03/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	12009	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	08/05/2009
Enforcement Detail:	State CCR Follow-up Notice		
Enforcement Category:	Informal		
Violation ID:	12009	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	03/30/2010
Enforcement Detail:	St AO (w/penalty) issued	Enforcement Category:	Formal
Violation ID:	12109	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	08/19/2009
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	12109	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	08/19/2009
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		

Violation ID:	12109	Orig Code:	S
Enforcemnt FY:	2009	Enforcement Action:	09/03/2009
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	12210	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	09/14/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	12210	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	05/12/2010
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	12210	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	05/12/2010
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10102	Contaminant:	7000
Violation type:	71	Compliance start date:	7/1/2002 0:00:00
Compliance end date:	7/18/2002 0:00:00	Enforcement date:	7/18/2002 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported
PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10102	Contaminant:	7000
Violation type:	71	Compliance start date:	7/1/2002 0:00:00
Compliance end date:	7/18/2002 0:00:00	Enforcement date:	7/2/2002 0:00:00
Enforcement action:	State Violation/Reminder Notice		
Violation measurement:	Not Reported		
PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10303	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Repeat Major (TCR)		
Compliance start date:	12/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	1/21/2003 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		
PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10303	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Repeat Major (TCR)		
Compliance start date:	12/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	1/21/2003 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10503	Contaminant:	7000
Violation type:	71	Compliance start date:	7/1/2003 0:00:00
Compliance end date:	9/17/2003 0:00:00	Enforcement date:	8/11/2003 0:00:00
Enforcement action:	SII	Violation measurement:	Not Reported
PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10503	Contaminant:	7000
Violation type:	71	Compliance start date:	7/1/2003 0:00:00
Compliance end date:	9/17/2003 0:00:00	Enforcement date:	9/17/2003 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10604 | Contaminant: 7000
Violation type: 71 | Compliance start date: 7/1/2004 0:00:00
Compliance end date: 9/14/2004 0:00:00 | Enforcement date: 8/20/2004 0:00:00
Enforcement action: SII | Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10604 | Contaminant: 7000
Violation type: 71 | Compliance start date: 7/1/2004 0:00:00
Compliance end date: 9/14/2004 0:00:00 | Enforcement date: 9/14/2004 0:00:00
Enforcement action: State Compliance Achieved | Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10705 | Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 5/1/2005 0:00:00 | Compliance end date: 5/31/2005 0:00:00
Enforcement date: 3/15/2007 0:00:00 | Enforcement action: State Formal NOV Issued
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10705 | Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 5/1/2005 0:00:00 | Compliance end date: 5/31/2005 0:00:00
Enforcement date: 5/30/2006 0:00:00 | Enforcement action: State Compliance Meeting Conducted
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10705 | Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 5/1/2005 0:00:00 | Compliance end date: 5/31/2005 0:00:00
Enforcement date: 5/9/2006 0:00:00 | Enforcement action: State Formal NOV Issued
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10705 | Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 5/1/2005 0:00:00 | Compliance end date: 5/31/2005 0:00:00
Enforcement date: 6/27/2005 0:00:00 | Enforcement action: State Violation/Reminder Notice
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10705 | Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 5/1/2005 0:00:00 | Compliance end date: 5/31/2005 0:00:00
Enforcement date: 6/27/2005 0:00:00 | Enforcement action: State Public Notif Requested
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 | PWS type code: C
Violation ID: 10705 | Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 5/1/2005 0:00:00 | Compliance end date: 5/31/2005 0:00:00
Enforcement date: 7/14/2006 0:00:00 | Enforcement action: State AO (w/penalty) Issued
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10705 Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 5/1/2005 0:00:00 Compliance end date: 5/31/2005 0:00:00
Enforcement date: 8/21/2006 0:00:00 Enforcement action: State Public Notif Received
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10805 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2005 0:00:00
Compliance end date: 8/29/2006 0:00:00 Enforcement date: 10/3/2005 0:00:00
Enforcement action: SII Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10805 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2005 0:00:00
Compliance end date: 8/29/2006 0:00:00 Enforcement date: 3/15/2007 0:00:00
Enforcement action: State Formal NOV Issued Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10805 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2005 0:00:00
Compliance end date: 8/29/2006 0:00:00 Enforcement date: 7/14/2006 0:00:00
Enforcement action: State AO (w/penalty) Issued
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10805 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2005 0:00:00
Compliance end date: 8/29/2006 0:00:00 Enforcement date: 8/1/2005 0:00:00
Enforcement action: SII Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10805 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2005 0:00:00
Compliance end date: 8/29/2006 0:00:00 Enforcement date: 8/29/2006 0:00:00
Enforcement action: State Compliance Achieved Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10906 Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 12/1/2005 0:00:00 Compliance end date: 12/31/2005 0:00:00
Enforcement date: 1/23/2006 0:00:00 Enforcement action: State Violation/Reminder Notice
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 10906 Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 12/1/2005 0:00:00 Compliance end date: 12/31/2005 0:00:00
Enforcement date: 1/23/2006 0:00:00 Enforcement action: State Public Notif Requested
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C

Violation ID:	10906	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	12/1/2005 0:00:00	Compliance end date:	12/31/2005 0:00:00
Enforcement date:	3/15/2007 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10906	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	12/1/2005 0:00:00	Compliance end date:	12/31/2005 0:00:00
Enforcement date:	5/30/2006 0:00:00	Enforcement action:	State Compliance Meeting Conducted
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10906	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	12/1/2005 0:00:00	Compliance end date:	12/31/2005 0:00:00
Enforcement date:	5/9/2006 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10906	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	12/1/2005 0:00:00	Compliance end date:	12/31/2005 0:00:00
Enforcement date:	7/14/2006 0:00:00	Enforcement action:	State AO (w/penalty) Issued
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	10906	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	12/1/2005 0:00:00	Compliance end date:	12/31/2005 0:00:00
Enforcement date:	8/21/2006 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11006	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	1/1/2006 0:00:00	Compliance end date:	1/31/2006 0:00:00
Enforcement date:	2/22/2006 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11006	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	1/1/2006 0:00:00	Compliance end date:	1/31/2006 0:00:00
Enforcement date:	2/22/2006 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11006	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	1/1/2006 0:00:00	Compliance end date:	1/31/2006 0:00:00
Enforcement date:	3/15/2007 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11006 Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 1/1/2006 0:00:00 Compliance end date: 1/31/2006 0:00:00
Enforcement date: 5/30/2006 0:00:00 Enforcement action: State Compliance Meeting Conducted
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11006 Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 1/1/2006 0:00:00 Compliance end date: 1/31/2006 0:00:00
Enforcement date: 5/9/2006 0:00:00 Enforcement action: State Formal NOV Issued
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11006 Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 1/1/2006 0:00:00 Compliance end date: 1/31/2006 0:00:00
Enforcement date: 7/14/2006 0:00:00 Enforcement action: State AO (w/penalty) Issued
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11006 Contaminant: Coliform (Tcr)
Violation type: Monitoring, Routine Major (TCR)
Compliance start date: 1/1/2006 0:00:00 Compliance end date: 1/31/2006 0:00:00
Enforcement date: 8/21/2006 0:00:00 Enforcement action: State Public Notif Received
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11106 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2006 0:00:00
Compliance end date: 8/20/2006 0:00:00 Enforcement date: 3/15/2007 0:00:00
Enforcement action: State Formal NOV Issued Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11106 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2006 0:00:00
Compliance end date: 8/20/2006 0:00:00 Enforcement date: 7/14/2006 0:00:00
Enforcement action: State AO (w/penalty) Issued
Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11106 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2006 0:00:00
Compliance end date: 8/20/2006 0:00:00 Enforcement date: 8/15/2006 0:00:00
Enforcement action: SII Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION
Population served: 97 PWS type code: C
Violation ID: 11106 Contaminant: 7000
Violation type: 71 Compliance start date: 7/1/2006 0:00:00
Compliance end date: 8/20/2006 0:00:00 Enforcement date: 8/20/2006 0:00:00
Enforcement action: State Compliance Achieved Violation measurement: Not Reported

PWS name: BARNWELL GARDENS SUBDIVISION

Population served:	97	PWS type code:	C
Violation ID:	11207	Contaminant:	7000
Violation type:	71	Compliance start date:	7/1/2007 0:00:00
Compliance end date:	9/28/2007 0:00:00	Enforcement date:	8/31/2007 0:00:00
Enforcement action:	SII	Violation measurement:	Not Reported

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11207	Contaminant:	7000
Violation type:	71	Compliance start date:	7/1/2007 0:00:00
Compliance end date:	9/28/2007 0:00:00	Enforcement date:	9/28/2007 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11308	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	3/1/2008 0:00:00	Compliance end date:	3/31/2008 0:00:00
Enforcement date:	4/18/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11308	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Major (TCR)		
Compliance start date:	3/1/2008 0:00:00	Compliance end date:	3/31/2008 0:00:00
Enforcement date:	4/18/2008 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11408	Contaminant:	7000
Violation type:	71	Compliance start date:	7/1/2008 0:00:00
Compliance end date:	12/31/2025 0:00:00	Enforcement date:	8/12/2008 0:00:00
Enforcement action:	SII	Violation measurement:	Not Reported

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11508	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Repeat Minor (TCR)		
Compliance start date:	6/1/2008 0:00:00	Compliance end date:	6/30/2008 0:00:00
Enforcement date:	7/18/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11508	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Repeat Minor (TCR)		
Compliance start date:	6/1/2008 0:00:00	Compliance end date:	6/30/2008 0:00:00
Enforcement date:	7/18/2008 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11608	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Minor (TCR)		
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	7/31/2008 0:00:00
Enforcement date:	8/23/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C

Violation ID:	11608	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Minor (TCR)		
Compliance start date:	7/1/2008 0:00:00	Compliance end date:	7/31/2008 0:00:00
Enforcement date:	8/23/2008 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11709	Contaminant:	Coliform (Tcr)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	9/1/2008 0:00:00	Compliance end date:	9/30/2008 0:00:00
Enforcement date:	10/6/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11709	Contaminant:	Coliform (Tcr)
Violation type:	Max Contaminant Level, Monthly (TCR)		
Compliance start date:	9/1/2008 0:00:00	Compliance end date:	9/30/2008 0:00:00
Enforcement date:	10/6/2008 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11809	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Minor (TCR)		
Compliance start date:	10/1/2008 0:00:00	Compliance end date:	10/31/2008 0:00:00
Enforcement date:	11/20/2008 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

PWS name:	BARNWELL GARDENS SUBDIVISION		
Population served:	97	PWS type code:	C
Violation ID:	11809	Contaminant:	Coliform (Tcr)
Violation type:	Monitoring, Routine Minor (TCR)		
Compliance start date:	10/1/2008 0:00:00	Compliance end date:	10/31/2008 0:00:00
Enforcement date:	11/20/2008 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

J41
SSW
1 - 2 Miles
Lower

FED USGS **USGS40000259520**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36Q013	Type:	Well
Description:	SAVANNAH, GA 18	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Floridan aquifer system	Formation Type:	Upper Floridan Aquifer
Aquifer Type:	Confined multiple aquifer	Construction Date:	19420901
Well Depth:	681	Well Depth Units:	ft
Well Hole Depth:	681	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	18	Level reading date:	1998-05-25
Feet below surface:	92.88	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1988-05-25	Feet below surface:	99.41
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1985-05-21	Feet below surface:	95.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-10-31	Feet below surface:	93.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1984-04-30	Feet below surface:	86.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1983-11-04	Feet below surface:	91.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1982-11-02	Feet below surface:	87.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-10-26	Feet below surface:	90.42
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1981-05-21	Feet below surface:	90.25
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-05-19	Feet below surface:	85.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-10-29	Feet below surface:	90.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-12-04	Feet below surface:	91.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-07	Feet below surface:	91.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-12-14	Feet below surface:	83.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-01-12	Feet below surface:	76.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-05-02	Feet below surface:	81.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-11-29	Feet below surface:	86.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-10-09	Feet below surface:	40.26
Feet to sea level:	Not Reported	Note:	Not Reported

J42
SSW
1 - 2 Miles
Lower

GA WELLS **0000001897**

County code:	051	Well num:	36Q013
Remarks:	SAVANNAH, GA 18	Lat:	320710
Lon:	0811143	Latlon datum:	NAD27
Alt:	34.27	Alt datum:	NGVD29
Depth:	681	Depth to casing:	269.00
Casing dia:	10.00	Casing matl:	Not Reported
Depth to top:	269.00	Depth to bot:	681.00
Opening type:	X	Constr date:	194209

Discharge:	825.00	Prim use:	P
Aquifer code:	120FLRDU	Edr id:	0000001897

K43
SSW **GA WELLS** **617**
1 - 2 Miles
Lower

Id:	617	Water source id:	25M4B18
Name:	CITY OF SAVANNAH-TRAVIS F	Latitude:	32.1192
Longitude:	81.1953	Source:	G
Gw mgd:	0.67	Sw mgd:	0.00
Status:	1	Gwsi id:	36Q013
Population:	0	County:	CHATHAM
County fips:	51	Ggs:	1

K44
SSW **FRDS PWS** **GA0510102**
1 - 2 Miles
Lower

Epa region:	04	State:	GA
Pwsid:	GA0510102	Pwsname:	SAVANNAH-TRAVIS FIELD
Cityserved:	Not Reported	Stateserved:	GA
Zipserved:	Not Reported	Fipscounty:	13051
Status:	Closed	Retpopsrvd:	304
Pwssvcconn:	117	Psource longname:	Groundwater
Pwstype:	CWS	Owner:	Local_Govt
Contact:	JUE, HARRY	Contactorgname:	Not Reported
Contactphone:	912-651-4241	Contactaddress1:	POB 1027
Contactaddress2:	Not Reported	Contactcity:	SAVANNAH
Contactstate:	GA	Contactzip:	314021027
Pwsactivitycode:	I		

Pwsid:	GA0510102	Facid:	3972
Facname:	WELL #17 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	GA0510102	Facid:	3979
Facname:	WELL #18 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

Pwsid:	GA0510102	Facid:	3985
Facname:	WELL #19 PLANT	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP

PWS ID:	GA0510102	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	GA0510102
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00001100
System name:	SAVANNAH-TRAVIS FIELD	System address:	SAVANNAH-TRAVIS FIELD
System address:	702 STILES AVE	System city:	SAVANNAH
System state:	GA	System zip:	31402

Population served:	1,001 - 2,500 Persons	Treatment:	Treated

Latitude:	320731	Longitude:	0811140
Latitude:	320705	Longitude:	0811140
Latitude:	320710	Longitude:	0811136
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	5.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	40.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	10.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	36.0000		
State:	GA	Latitude degrees:	32
Latitude minutes:	7	Latitude seconds:	31.0000
Longitude degrees:	81	Longitude minutes:	11
Longitude seconds:	40.0000		

45
North **FED USGS** **USGS40000259664**
1 - 2 Miles
Lower

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R025	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

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46
ENE **FED USGS** **USGS40000259620**
1 - 2 Miles
Lower

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R028	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

47
East
1 - 2 Miles
Lower | **FED USGS** | **USGS40000259587**

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	36R027	Type:	Well
Description:	Not Reported	HUC:	03060109
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
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 CHATHAM County: 3

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 CHATHAM COUNTY, GA

Number of sites tested: 21

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.881 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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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