2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

MISSISSIPPI POWER COMPANY
PLANT VICTOR DANIEL
NORTH ASH MANAGEMENT UNIT

January 31, 2026

Prepared for

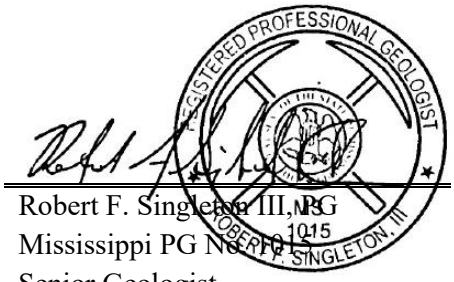
Mississippi Power Company
Gulfport, Mississippi

By

Southern Company Services
Earth Science and Environmental Engineering

CERTIFICATION STATEMENT

This 2025 Annual Groundwater Monitoring and Corrective Action Report, Mississippi Power Company – Plant Daniel North Ash Management Unit (NAMU) has been prepared in accordance with the United States Environmental Protection Agency's coal combustion residual rule (40 CFR Part 257, Subpart D), under the supervision of a licensed Professional Geologist in the State of Mississippi. As such, I certify that the information contained herein is true and accurate to the best of my knowledge.



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EXECUTIVE SUMMARY

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 CFR Part 257, Subpart D), this *2025 Annual Groundwater Monitoring and Corrective Action Report* was prepared to document 2025 semi-annual detection groundwater monitoring activities at the Mississippi Power Company (MPC) Plant Daniel North Ash Management Unit (NAMU) and to satisfy the requirements of 40 CFR § 257.90(e). Semi-annual assessment monitoring and associated reporting for Plant Daniel NAMU is performed in accordance with the monitoring requirements 40 CFR § 257.90 through § 257.98.

Statistically significant increases (SSIs) of Appendix III constituents over background were not identified in the results of the 2025 semi-annual detection monitoring events. Therefore, in accordance with § 257.94, MPC will continue detection monitoring. The following future actions will be taken or are recommended for the Site:

- Continue semi-annual assessment monitoring in 2026.
- Submit 2026 Annual Groundwater Monitoring and Corrective Action Report by January 31, 2027.
  monitoring.

Pursuant to 40 CFR § 257.90(e)(6), an Executive Summary Table highlighting program status and significant findings from the most recent semi-annual monitoring period has been included on the next page.

Monitoring Period Summary
Plant Daniel - North Ash Management Unit

Monitoring Period:	January 1 - December 31, 2025
Beginning Status:	Detection
Ending Status:	Detection

STATISTICAL ANALYSIS RESULTS*

Appendix III SSIs

Parameter	Wells
Boron	None
Calcium	None
Chloride	None
Fluoride	None
pH	None
Sulfate	None
TDS	None

Appendix IV SSLs

Site Remains in Detection Monitoring (§ 257.94)

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

ASSESSMENT OF CORRECTIVE MEASURES & GROUNDWATER REMEDY

Assessment of Corrective Measures

Site Remains in Detection Monitoring (§ 257.94)

Groundwater Remedy

Site Remains in Detection Monitoring (§ 257.94)

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1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 Code of Federal Regulations (CFR) § 257 Subpart D), Southern Company Services (SCS) has prepared this *2025 Annual Groundwater Monitoring and Corrective Action Report* document groundwater monitoring activities at Mississippi Power Company (MPC) Plant Daniel North Ash Management Unit (NAMU). Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements § 257.90 through § 257.94 of the Federal CCR rule.

2.0 MONITORING PROGRAM STATUS

Statistically significant increases (SSIs) of Appendix III constituents over background were not identified in the results of the 2025 semi-annual detection monitoring events. Therefore, in accordance with § 257.94, MPC will continue detection monitoring. Analytical data from the semi-annual monitoring events are included as **Appendix A, Laboratory Analytical Data and Field Sampling Records**.

3.0 SITE LOCATION AND DESCRIPTION

Plant Daniel is an electric generating facility consisting of two coal-fired units and two natural gas combined cycle units. The plant is located near the town of Escatawpa, Jackson County, Mississippi immediately northwest of the intersection of Mississippi State Highways 63 and 613. The approximately 30-acre NAMU is located at the far north end of the plant property. It is bordered on the east by Highway 63, on the north by the cellular tower property, on the west by the Vaughn Bayou of the Pascagoula River, and on the south by the central ash management unit. The site address is 13201 Highway 63 N, Escatawpa, Mississippi 39562.

The Site is located within Section 35, Township 5 South, Range 6 West, Sections 37, 10, 15, East half of Section 9, Southwest ¼ of Section 2, Northwest ¼ and south half of Section 11, and the north half and northwest ¼ of the southwest ¼ of Section 14, all of Township 6 South, Range 6 West. NAMU is located in the northernmost portion of the property. **Figure 1, Site Location Map**, depicts the location of Plant Daniel relative to site features and the surrounding area.

3.1 Regional Geology & Hydrogeologic Setting

Jackson County lies in the Pascagoula River Drainage Basin in the Gulf Coastal Plain physiographic province. Topographically, the province is gently rolling to flat with local salt marshes. Rock outcrops are sedimentary in origin and range in age from late Miocene to Recent (Gandl, 1982). A dominant regional structural feature which affects the sediments of Miocene and younger age is the Gulf Coast geosyncline.

The sediments dip toward the Gulf of Mexico. Where formations are near the surface, dips are from 15 to 35 feet/mile. Further from the outcrop, dips increase dramatically with depth. Fresh-water aquifers in the Pascagoula area are sand or a mix of sand and gravel beds of Miocene age or younger. These freshwater aquifers and occur less than 1,000 feet below the surface.

The surficial soils underlying Plant Daniel are related to the southern Mississippi's semi-tropical climate and the weathering of parent geologic materials. The resulting soil profile consists of a variety of sediments including sand, silt, clay, gravel, and organics and ranges in age from the Cenozoic to Pleistocene period. Previous site investigations indicate that there are five distinctive geologic units that immediately underlie the site and surrounding area.

- Unit 1 consists of a sandy clay aquitard that is considered to be discontinuous across the site. Unit 1 outcrops at the surface and extends to a maximum depth of 32 feet beneath the site.
- Unit 2 consists of a sand aquifer that extends to approximately 70 feet below land surface (BLS) and is the uppermost aquifer underlying the site.
- Unit 3 is a clay aquitard that immediately underlies Unit 2 and has a thickness ranging from 2.5 to 9.5 feet across the site.
- Unit 4 is a sand and gravel aquifer with a thickness of 34 feet or greater.
- Unit 5 is a clay aquitard.

3.2 Uppermost Aquifer

Two aquifers supply water to the Pascagoula area. These are the Pliocene-age Citronelle and the Miocene Aquifer System, which includes the Graham Ferry Aquifer. Plant Daniel is in the Citronelle aquifer outcrop area. The Citronelle Aquifers are the shallowest aquifers in the Pascagoula area. Although principally a sand and gravel formation, the Citronelle is characterized by occasional lenses and layers of clay which may cause semi-artesian conditions. Sediments become coarse near the irregular contact with the underlying Pascagoula or Graham Ferry Formation. Also, the Citronelle and overlying coastal deposits are considered one hydrogeologic unit. The Citronelle is primarily a water table aquifer with a saturated thickness of about 45 feet. Recharge is primarily by rainfall which moves vertically and down dip to recharge underlying aquifers and to sustain local streams (Wasson, 1978). For groundwater monitoring purposes, all on-site compliance wells are screened within the uppermost Unit 2 sand aquifer.

4.0 GROUNDWATER MONITORING SYSTEM

Pursuant 40 CFR § 257.91, Plant Daniel designed and installed a certified groundwater monitoring system

within the uppermost aquifer (Unit 2) to monitor groundwater quality in the immediate vicinity of the regulated unit. The Professional Engineer (PE)-certified groundwater monitoring system for NAMU is designed to monitor groundwater passing the waste boundary of the CCR unit within the uppermost aquifer. As required by § 257.90(e), the following also describes monitoring-related activities performed during the preceding year.

4.1 Compliance Monitoring Network

Groundwater monitoring wells at the Site are designated as upgradient compliance wells and downgradient compliance wells. Monitoring wells MW-11, MW-14, and MW-18 serve as upgradient locations for the NAMU. Upgradient wells are screened within the same hydrostratigraphic interval(s) as the downgradient locations and represent background groundwater quality at the Site. Upgradient wells are positioned along the eastern portion of the unit as determined by water level monitoring and potentiometric surface maps constructed for the Site. Located along the western and southern portion of the regulated unit, monitoring well locations MW-15, MW-16, MW-17, and MW-19 serve as downgradient locations for NAMU. Additionally, two monitoring wells (MW-12 and MW-13), not included in the facility's compliance groundwater network, are utilized as water level only piezometers to enhance groundwater potentiometric surfaces and flow direction interpretations. The location and designation of Site wells are presented on **Figure 2, Monitoring Well Location Map. Table 1, Monitoring Well Network Summary,** summarize the monitoring well construction details, surveyed elevations, and design purpose for the Plant Daniel NAMU.

4.2 Monitoring Well Installation, Abandonment, and Maintenance

Monitoring well replacement and/or abandonment activities were not performed during the 2025 annual monitoring period. Each on-site well was visually inspected prior to sample collection for potential issues such as structural damage, contamination, or maintenance concerns that could compromise sample integrity. No issues were observed during the pre-sampling well inspection, and each well was determined to be in proper working order.

5.0 GROUNDWATER SAMPLING AND ANALYSIS

Site compliance wells are sampled semi-annually, generally in late winter to mid-spring and early to late fall. The temporal spacing ensures sampling events yield independent groundwater samples that generally represent natural variabilities in groundwater quality associated with different climatic and/or meteorological seasons.

During routine semi-annual monitoring events, compliance network wells are sampled and analyzed for Appendix III constituents. The following subsections summarize the sequential steps and processes for sampling, handling, and transport, and analyzing compliance-related groundwater samples at the Site.

5.1 Groundwater Sample Collection

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

Groundwater samples were collected in accordance with 40 CFR § 257.93(a). The monitoring wells at Plant Daniel were purged and sampled from dedicated pumps using low-flow sampling procedures. Field water quality indicator parameters were monitored and recorded prior to sampling with a downhole Aqua TROLL® instrument or similar calibrated per the manufacturer's specifications. Groundwater samples were collected when the following stabilization criteria were met:

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

Once stabilization was achieved, samples were submitted to the laboratory following standard chain-of-custody (COC) protocols. Field data recorded in support of groundwater sampling activities for the monitoring period are included in **Appendix A**.

5.2 Sampling Preservation and Handling

Groundwater samples were collected in the designated size and type of laboratory-supplied containers required for specific parameters. Sample bottles were pre-preserved by the laboratory. Where temperature control was required, samples were placed in an ice-packed cooler and cooled to less than 6 °C immediately after collection. Blue ice or other cooling packs were not used for cooling samples. An ice-packed cooler was present during sample collection.

5.3 Chain of Custody

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

5.4 Laboratory Analysis

Laboratory analyses was performed by Eurofins Environment Testing (Eurofins) of Pittsburgh, Pennsylvania and Atlanta, Georgia. Eurofins is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Eurofins maintains a NELAP certification for all parameters analyzed for this project. Groundwater analytical data and chain-of-custody records for the monitoring events are presented in **Appendix A**.

6.0 GROUNDWATER ELEVATION AND FLOW

Groundwater elevations ranged from 5.44 to 11.24 feet referenced to the North American Datum of 1988 (NAVD88) and 4.41 to 10.71 feet NAVD88 during the first and second 2025 semi-annual monitoring events, respectively. **Figure 3, Potentiometric Surface Contour Map (March 17, 2025)**, and **Figure 4, Potentiometric Surface Contour Map (September 29, 2025**), depict the groundwater elevations and inferred flow directions.

As shown on **Figures 3** and **4**, groundwater flow is generally to the west, consistent with historic observations. Groundwater elevations from the 2025 semi-annual monitoring events are tabulated and included in **Table 2, Groundwater Elevations Summary** for reference.

6.1 Groundwater Velocity Calculations

A general estimate of groundwater flow velocities at the site were calculated based on hydraulic gradients, hydraulic conductivities derived from previous slug test results, and an estimated effective porosity of the screened horizon(s). Based on slug testing performed in the uppermost aquifer, the average horizontal hydraulic conductivity was calculated to be approximately 25 feet/day. Hydraulic gradients were calculated from groundwater elevation data during the 2025 monitoring events between the select well pairs presented in **Table 3, Groundwater Flow Velocity Calculations**. An estimated effective porosity of 0.2 was used based on the default values for effective porosity recommended by USEPA for a silty sand-type soil (USEPA, 1989). Horizontal flow velocity was calculated using the commonly used derivative of Darcy's Law:

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

Where:

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

K = Average permeability of the aquifer $\left(\frac{feet}{day}\right)$

i = Horizontal hydraulic gradient

n_e= Effective porosity

Groundwater monitoring wells MW-14 and MW-16 were used to calculate Flow Path A and MW-11 and MW-19 were used to calculate Flow Path B. The horizontal hydraulic gradients ranged from 0.0033 feet per foot (ft/ft) to 0.0039 ft/ft. As presented on **Table 3,** groundwater flow velocity at the site ranges from approximately 0.41 feet per day (ft/day) (or approximately 150.60 feet per year) to 0.49 feet/day (or approximately 180.30 feet per year). These calculated groundwater flow velocities across the site are consistent with historical calculations and with expected velocities.

7.0 EVALUATION OF GROUNDWATER QUALITY DATA

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

7.1 Quality Assurance and Quality Control

Laboratory analytical precision is measured through the calculation of the relative percent difference (RPD) between two data sets generated from a similar source. specifically, between the original compliance and field duplicate samples. For groundwater analytical data, quality control procedures include calculating the RPD (where field duplicates are collected) between the sample and duplicate sample duplicate concentrations as is calculated as:

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

Where:

RPD = Relative Percent Difference (%)

Conc1 = Higher concentration of the original or field duplicate sample

Conc2 = Lower concentration of the original or field duplicate sample

A RPD is calculated for each constituent detected above the RL. Where the RPD is below 20%, the difference is considered acceptable, and no further action is needed. Where an RPD is greater than 20%, further evaluation is required to attempt to determine the cause of the difference and potentially result in qualified data. **Table 4, Relative Percent Difference Calculations**, provides the relative percent differences for sample and sample duplicates during 2025 sampling events.

During the first 2025 semi-annual sampling event, RPD exceeded 20% for calcium for the sample and field duplicate collected at MW-15 and Total Dissolved Solids (TDS) for the sample and field duplicate collected at MW-19. During the second 2025 semi-annual sampling event, RPD exceeded 20% for TDS for the sample and field duplicate collected at MW-11.

If RPD exceeds 20% for samples with concentrations greater than five times the RL (10.0 mg/L), the parent sample and duplicate sampling are qualified with "(+) J." When the concentrations in the parent sample or duplicate sample are less than five times the RL and the difference between the parent sample concentration and duplicate concentration are greater than the RL, the parent and duplicate samples are qualified with "(+) J, (ND) UJ." A summary of qualified data from the semi-annual sampling events of 2025 is provided below.

Well ID	Sample Date	Constituent	Original Concentration (mg/L)	Field Duplicate Concentration (mg/L)	RPD (%)	Reporting Limit (mg/L)	Data Qualifier
MW-11	9/29/2025	TDS	42.0	53.0	23.2%	10.0 mg/L	(+) J, (ND) UJ

No additional data qualification is required for the 2025 monitoring period.

8.0 STATISTICAL METHODOLOGY AND TESTS

Statistical analysis of Appendix III groundwater monitoring data was performed on samples collected from the certified groundwater monitoring network pursuant to 40 CFR § 257.93 and following the appropriate PE-certified method. Sanitas™ groundwater statistical software was used to perform the statistical analyses. Sanitas™ is a decision support software package that incorporates the statistical tests required of Subtitle

C and D facilities by EPA regulations. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the USEPA Unified Guidance (2009).

8.1 Appendix III Evaluation

Intrawell and interwell prediction limits, combined with a 1-of-2 verification (resample) plan, were constructed for the analyzed Appendix III constituents. Intrawell prediction limits compare the most recent compliance sample from a given well to historical data from the same well and provide statistical limits representative of the background data population. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The most recent sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present and to identify potential SSIs. When an initial (or apparent) statistically significant increase or questionable result occurs, a second sample may be collected to verify the initial result or determine if the result was an outlier. If the second sample exceeds its respective background statistical limit, an SSI is identified. If the second sample is below its respective background limit, there is no SSI. In accordance with the Unified Guidance, the following adjustments were made to the statistical analysis program:

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

8.2 Statistical Exceedances

Laboratory analytical data from the first and second 2025 semi-annual monitoring events were statistically analyzed in accordance with the PE-certified Statistical Analysis Plan (October 2017 and revised in October 2022) by Groundwater Stats Consulting, LLC. Statistical analyses were performed to determine if Appendix III constituent concentrations have returned to background levels.

There were no interwell prediction limit exceedances, or SSIs, reported during the 2025 monitoring period. The statistical analyses for groundwater samples collected during the 2025 monitoring period are provided in **Appendix B, Statistical Analyses** for reference.

9.0 ALTERNATE SOURCE DEMONSTRATION

In accordance with 40 CFR § 257.95(g)(3)(ii), the owner or operator may demonstrate that a source other than the CCR Unit has caused an SSI or that the SSI resulted from errors in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. An ASD report for SSIs (calcium, pH, and sulfate) identified during the 2021 semi-annual detection monitoring events was submitted on January 31, 2022. As discussed in the ASD report, the apparent exceedances observed were not the result of a release from the CCR unit and are caused by natural variability in groundwater quality. Based on the ASD, the NAMU remains in detection monitoring.

10.0 SUMMARY AND CONCLUSIONS

Based on results reported in the *2025 Annual Groundwater and Corrective Action Monitoring Report*, NAMU remained in detection monitoring. Groundwater samples were collected semi-annually from the certified well network and analyzed for constituents listed in Appendix III. Statistical evaluations of the March and September 2025 detection monitoring data did not identify SSIs of Appendix III constituents above the GWPS. Therefore, in accordance with § 257.94, MPC will continue detection monitoring. The following future actions will be taken or are recommended for the Site:

- Continue semi-annual detection monitoring in 2026.
- Submit 2026 Annual Groundwater Monitoring and Corrective Action Report by January 31, 2027.

11.0 REFERENCES

ASTM Standard D5092, 2004(2010)e1, Standard Practice for Design and Installation of Groundwater Monitoring Wells, ASTM International, West Conshohocken, PA, DOI 10.1520/D5092-04R10E01, www.astm.org.

Gandl, L.A. "Characterization of Aquifers Designated as Potential Drinking Water Sources in Mississippi," Water Resources Investigation Open-File Report 81-550, Mississippi Department of Natural Resources, Bureau of Pollution Control. 1982. 90 pp.

Southern Company Services, Inc., Alternate Source Demonstration, 2021 Semi-Annual Monitoring Events, Mississippi Power Company, Plant Victor Daniel, North Ash Management Unit, January 31, 2022.

USEPA Waste Management Division Office of Solid Waste. 1989. EPA 530/SW-89-031 Interim Final RCRA Investigation (RFI) Guidance, Volume II and IV.

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. 2015. Federal Register. Volume 80. No. 74. Friday April 17, 2015. Part II. Environmental Protection Agency. *40 CFR Parts 257and 261. Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule.* [EPA-HQ-RCRA–2009–0640; FRL–9919–44–OSWER]. RIN–2050–AE81. April.

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.

Wasson, B.E., 1978, Availability of additional ground-water supplies in the Pascagoula area, Mississippi: Mississippi Research and Development Center Bulletin, 32 p.

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TABLES

Table 1.
Monitoring Well Network Summary

Well ID	Purpose	Installation Date	Latitude	Longitude	Total Well Depth (feet)	Top of Casing Elevation (feet MSL)	Ground Elevation (feet MSL)	Top of Screen Elevation (feet MSL)	Bottom of Screen Elevation (feet MSL)
MW-11	Upgradient	5/2/2006	30.55781	-88.56425	34.02	25.24	23.22	-3.78	-8.78
MW-14	Upgradient	7/24/2015	30.55575	-88.56435	40.78	23.65	20.87	-11.83	-16.83
MW-15	Downgradient	7/24/2015	30.55426	-88.56544	39.44	21.53	18.69	-12.41	-17.61
MW-16	Downgradient	7/24/2015	30.55451	-88.56775	28.36	16.12	13.16	-6.94	-11.94
MW-17	Downgradient	7/24/2015	30.55778	-88.56786	28.62	15.41	12.59	-7.91	-12.91
MW-18	Upgradient	7/24/2015	30.55917	-88.56479	44.43	28.86	26.33	-10.27	-15.27
MW-19	Downgradient	7/26/2016	30.55606	-88.56818	32.76	24.42	21.56	-3.04	-8.04

Notes:

1. Elevations shown are referenced Mean Sea Level (MSL) to NAVD 88 (G12) U.S. Survey Feet.

2. MSL refers to Mean Sea Level.

Table 2.
Groundwater Elevations Summary - 2025

Well ID	Top of Casing Elevation (feet MSL)	Groundwater Elevations (feet MSL)	
		March 17, 2025	September 29, 2025
MW-11	25.24	11.24	10.71
MW-14	23.65	10.37	9.87
MW-15	21.53	9.02	8.51
MW-16	16.12	5.93	5.04
MW-17	15.41	7.42	7.01
MW-18	28.86	11.19	10.68
MW-19	24.42	5.44	4.41

Notes:

1. MSL refers to Mean Sea Level

Table 3.
Groundwater Flow Velocity Calculations - 2023

Flow Path A								
	MW-14 h_1 **(ft)**	**MW-16** h_2 **(ft)**	**Distance** Δl **(ft)**	**Hydraulic Gradient** $\Delta h/\Delta l$ **(ft/ft)**	**Hydraulic Conductivity K**	**Assumed Effective Porosity (ne)**	**Calculated Groundwater Flow Velocity (feet/day)**	**Calculated Groundwater Flow Velocity (feet/year)**
3/17/2025	10.37	5.93	1350	0.0033	25.09	0.2	0.41	150.60
9/29/2025	9.87	5.04	1350	0.0036	25.09	0.2	0.45	163.82

Flow Path B								
	MW-11 h_1 **(ft)**	**MW-19** h_2 **(ft)**	**Distance** Δl **(ft)**	**Hydraulic Gradient** $\Delta h/\Delta l$ **(ft/ft)**	**Hydraulic Conductivity K**	**Assumed Effective Porosity (ne)**	**Calculated Groundwater Flow Velocity (feet/day)**	**Calculated Groundwater Flow Velocity (feet/year)**
3/17/2025	11.24	5.44	1600	0.0036	25.09	0.2	0.45	165.99
9/29/2025	10.71	4.41	1600	0.0039	25.09	0.2	0.49	180.30

Notes:
ft=feet
ft/d = feet/day
ft/ft = feet per foot
ft/yr = feet per year

Table 4.
Relative Percent Difference Calculations

1st Semi-Annual Monitoring Event				
Parameter	**Units**	**Monitoring Point Identification**		**Relative Percent Difference (RPD %)**
		MW-15	**DUP-01**	
Chloride	mg/L	8.17	8.12	0.6
Sulfate	mg/L	1.35	1.28	5.3
Calcium	mg/L	1.12	1.42	23.6
TDS	mg/L	12.0	10.0	18.2
Parameter	**Units**	**Monitoring Point Identification**		**Relative Percent Difference (RPD %)**
		MW-19	**DUP-02**	
Chloride	mg/L	5.19	5.10	1.7
Sulfate	mg/L	2.37	2.40	1.3
Calcium	mg/L	4.74	4.30	9.7
TDS	mg/L	12.0	18.0	40.0

2nd Semi-Annual Monitoring Event				
Parameter	**Units**	**Monitoring Point Identification**		**Relative Percent Difference (RPD %)**
		MW-11	**DUP-01**	
Chloride	mg/L	11.4	11.3	0.9
Sulfate	mg/L	3.84	3.52	8.7
Calcium	mg/L	1.41	1.44	2.1
TDS	mg/L	42.0	53.0	23.2
Parameter	**Units**	**Monitoring Point Identification**		**Relative Percent Difference (RPD %)**
		MW-19	**DUP-02**	
Chloride	mg/L	5.92	6.0	1.0
Sulfate	mg/L	2.28	2.54	10.8
Calcium	mg/L	1.01	0.976	3.4
TDS	mg/L	31.0	36.0	14.9

Notes:

1. mg/L - milligrams per Liter

2. "J-flagged" concentrations, or estimated concentrations detected above the method detection limit but below the reporting limi, were not used for RPD calculations

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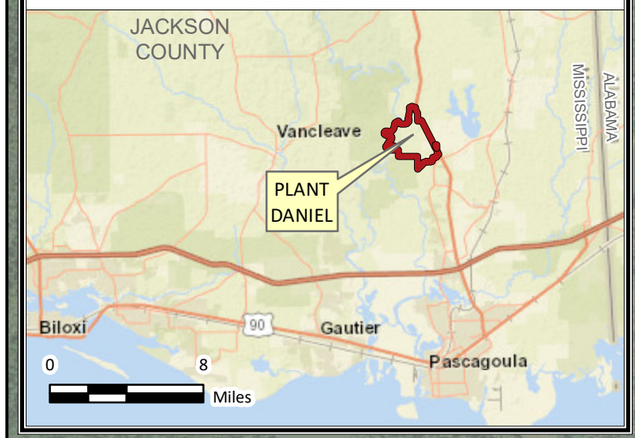
FIGURES

SITE LOCATION OVERVIEW MAP



NORTH ASH MANAGEMENT UNIT

GYPSUM STORAGE AREA

CENTRAL ASH MANAGEMENT UNIT

N

LEGEND

- Gypsum Storage Area (GSA) Boundary
- Central Ash Management Unit (CAMU) Boundary
- North Ash Management Unit (NAMU) Boundary
- Property Boundary (Approximate)

0 1,000 Feet

Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet
Base Map: Maxar Vivid Standard, 10/31/2016 (west), 11/17/2020 (east).

SCALE	1:12000
DATE	1/28/2025
DRAWN BY	KAR
CHECKED BY	AWH
DRAWING TITLE:	SITE LOCATION MAP PLANT DANIEL NORTH ASH MANAGEMENT UNIT
FIGURE NO.	FIGURE 1

Southern Company

LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Monitoring Well
- North Ash Management Unit

0 500 Feet

Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet
Base Map: Maxar Vivid Standard, 10/31/2016 (west), 11/17/2020 (east).

SCALE	1:6000
DATE	1/28/2025
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE:
MONITORING WELL LOCATION MAP
PLANT DANIEL
NORTH ASH MANAGEMENT UNIT

FIGURE NO.
FIGURE 2

Southern Company

NOTES:
1. ft NAVD88 indicates feet relative to the North American Vertical Datum of 1988.

LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Monitoring Well
- Estimated Potentiometric Surface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- North Ash Management Unit

MW-11 Well Name
11.24 Groundwater Elevation (ft NAVD88)

0 500 Feet

Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet
Base Map: Maxar Vivid Standard, 10/31/2016 .

SCALE	1:6,000
DATE	1/9/2026
DRAWN BY	KAR
CHECKED BY	KEH

DRAWING TITLE: **POTENTIOMETRIC SURFACE CONTOUR MAP MARCH 17, 2025 PLANT DANIEL NORTH ASH MANAGEMENT UNIT**

FIGURE NO. FIGURE 3

Southern Company

LEGEND

- Downgradient Compliance Well
- Upgradient Compliance Well
- Monitoring Well
- Estimated Potentiometric Surface Contour (ft NAVD88)
- Approximate Groundwater Flow Direction
- North Ash Management Unit

MW-11 Well Name
10.71 Groundwater Elevation (ft NAVD88)

0 500 Feet

Projection: NAD 1983 State Plane Mississippi East FIPS2301 Feet
Base Map: Maxar Vivid Standard, 10/31/2016 .

SCALE	1:6,000
DATE	1/9/2026
DRAWN BY	KAR
CHECKED BY	KEH

DRAWING TITLE: **POTENTIOMETRIC SURFACE CONTOUR MAP**
SEPTEMBER 29, 2025
PLANT DANIEL
NORTH ASH MANAGEMENT UNIT

FIGURE NO. FIGURE 4

Southern Company

Southern Company

APPENDIX A

Laboratory Analytical Data and Field Sampling Records

Southern Company

First Semi-Annual Monitoring Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 4/11/2025 8:57:43 AM Revision 1

JOB DESCRIPTION

Plant Daniel NAMU CCR

JOB NUMBER

180-187986-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

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4/11/2025 8:57:43 AM
Revision 1

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job Narrative
180-187986-1

041125 Revised report to add field pH data at client request. This report replaces the report previously issued on 032825

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/19/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 11 coolers at receipt time were 1.1°C, 1.3°C, 1.6°C, 1.8°C, 2.3°C, 2.5°C, 2.8°C, 3.0°C, 3.2°C, 3.6°C and 3.7°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Qualifiers

HPLC/IC

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

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25
California	State	2891	04-30-24 *
Connecticut	State	PH-0820	09-30-24 *
Florida	NELAP	E871008	06-30-25
Georgia	State	PA 02-00416	04-30-25
Illinois	NELAP	200005	07-31-25
Kansas	NELAP	E-10350	01-31-26
Kentucky (UST)	State	162013	04-30-25
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-24 *
New Hampshire	NELAP	2030	04-04-25
New Jersey	NELAP	PA005	06-30-25
New York	NELAP	11182	04-01-25
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-25 *
Pennsylvania	NELAP	02-00416	04-30-26
Rhode Island	State	LAO00375	01-01-25 *
South Carolina	State	89014	04-30-25
Texas	NELAP	T104704528	03-31-25
US Fish & Wildlife	US Federal Programs	A21930	04-30-25
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	05-31-25
Virginia	NELAP	460189	07-14-24 *
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-25

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-25
ANAB	Dept. of Defense ELAP	L2463	09-22-26
Arkansas (DW)	State	GA00006	06-30-25
Arkansas DEQ	State	88-00692	02-09-26
Florida	NELAP	E87052	06-30-25
Georgia	State	E87052	06-30-25
Georgia (DW)	State	803	06-30-25
Guam	State	24-05R	04-17-25
Hawaii	State	<cert No.>	06-30-25
Illinois	NELAP	200022	11-30-25
Iowa	State	353	07-01-25
Kentucky (UST)	State	108138	06-30-24 *
Louisiana (All)	NELAP	30690	06-30-25
Maine	State	GA00006	09-25-26
Maryland	State	250	12-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-187986-1
Project/Site: Plant Daniel NAMU CCR

Laboratory: Eurofins Savannah (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Mississippi	State	<cert No.>	06-30-25
Nebraska	State	NE-OS-7-04	06-30-25
New Mexico	State	GA00006	06-30-25
North Carolina (DW)	State	13701	07-31-25
North Carolina (WW/SW)	State	269	12-31-25
Puerto Rico	State	GA00006	01-15-26
South Carolina	State	98001	06-30-25
Tennessee	State	TN02961	06-30-25
Texas	TCEQ Water Supply	T104704185	06-30-25
USDA	US Federal Programs	P330-18-00313	04-04-27
Virginia	NELAP	460161	06-14-25
Wyoming	State	8TMS-L	06-30-25

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-187986-1	MW-15	Water	03/17/25 12:42	03/19/25 09:30
180-187986-2	MW-14	Water	03/17/25 14:59	03/19/25 09:30
180-187986-3	MW-18	Water	03/17/25 16:25	03/19/25 09:30
180-187986-4	MW-17	Water	03/17/25 17:24	03/19/25 09:30
180-187986-5	MW-16	Water	03/17/25 18:24	03/19/25 09:30
180-187986-6	MW-11	Water	03/18/25 10:44	03/19/25 09:30
180-187986-7	MW-19	Water	03/18/25 13:14	03/19/25 09:30
180-187986-8	DUP-01	Water	03/17/25 11:42	03/19/25 09:30
180-187986-9	DUP-02	Water	03/18/25 12:14	03/19/25 09:30
180-187986-10	EB-01	Water	03/18/25 13:45	03/19/25 09:30
180-187986-11	FB-01	Water	03/18/25 12:59	03/19/25 09:30

Method Summary

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

EPA = US Environmental Protection Agency

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Client Sample ID: MW-15
Date Collected: 03/17/25 12:42
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 00:03	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:36	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493586	03/17/25 13:42	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-14
Date Collected: 03/17/25 14:59
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 01:47	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:42	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493586	03/17/25 15:59	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-18
Date Collected: 03/17/25 16:25
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 01:58	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:44	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493586	03/17/25 17:25	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Client Sample ID: MW-17

Date Collected: 03/17/25 17:24
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 02:10	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:46	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493586	03/17/25 18:24	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-16

Date Collected: 03/17/25 18:24
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 02:21	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:48	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493586	03/17/25 19:24	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-11

Date Collected: 03/18/25 10:44
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 02:33	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879515	03/24/25 05:40	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 16:26	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493586	03/18/25 11:44	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Client Sample ID: MW-19
Date Collected: 03/18/25 13:14
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 02:44	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879515	03/24/25 05:45	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 16:28	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			493586	03/18/25 14:14	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 03/17/25 11:42
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 02:56	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:26	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02
Date Collected: 03/18/25 12:14
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 04:28	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:28	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01
Date Collected: 03/18/25 13:45
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 04:40	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:32	BWR	EET SAV
	Instrument ID: ICPMSG									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Client Sample ID: EB-01
Date Collected: 03/18/25 13:45
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492254	03/20/25 11:47	EBA	EET PIT

Client Sample ID: FB-01
Date Collected: 03/18/25 12:59
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	492705	03/28/25 04:51	M1D	EET PIT
	Instrument ID: INUVION									
Total Recoverable	Prep	3005A			25 mL	125 mL	879518	03/24/25 05:47	RR	EET SAV
Total Recoverable	Analysis	6020B		1			879626	03/24/25 13:34	BWR	EET SAV
	Instrument ID: ICPMSG									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	492255	03/20/25 11:54	EBA	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Analyst References:
Lab: EET PIT
Batch Type: Analysis
EBA = Elizabeth Arbster
FDS = Sampler Field
M1D = Maureen Donlin
Lab: EET SAV
Batch Type: Prep
RR = Robert Rancourt
Batch Type: Analysis
BWR = Bryn Robertson

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Client Sample ID: MW-15

Lab Sample ID: 180-187986-1
Date Collected: 03/17/25 12:42
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.17		1.00	0.713	mg/L			03/28/25 00:03	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 00:03	1
Sulfate	1.35		1.00	0.756	mg/L			03/28/25 00:03	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:36	1
Calcium	1.12		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	12.0		10.0	10.0	mg/L			03/20/25 11:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.58				SU			03/17/25 13:42	1

Client Sample ID: MW-14

Lab Sample ID: 180-187986-2
Date Collected: 03/17/25 14:59
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.6		1.00	0.713	mg/L			03/28/25 01:47	1
Fluoride	0.0418	J	0.100	0.0260	mg/L			03/28/25 01:47	1
Sulfate	1.05		1.00	0.756	mg/L			03/28/25 01:47	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:42	1
Calcium	2.94		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	13.0		10.0	10.0	mg/L			03/20/25 11:54	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.71				SU			03/17/25 15:59	1

Client Sample ID: MW-18

Lab Sample ID: 180-187986-3
Date Collected: 03/17/25 16:25
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.48		1.00	0.713	mg/L			03/28/25 01:58	1
Fluoride	0.0897	J	0.100	0.0260	mg/L			03/28/25 01:58	1
Sulfate	4.28		1.00	0.756	mg/L			03/28/25 01:58	1

Client Sample ID: MW-18

Lab Sample ID: 180-187986-3
Date Collected: 03/17/25 16:25
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.0334**	**J**	0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:44	1
Calcium	**0.727**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.53**				SU			03/17/25 17:25	1

Client Sample ID: MW-17

Lab Sample ID: 180-187986-4
Date Collected: 03/17/25 17:24
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.04**		1.00	0.713	mg/L			03/28/25 02:10	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 02:10	1
Sulfate	**3.82**		1.00	0.756	mg/L			03/28/25 02:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:46	1
Calcium	**1.06**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**19.0**		10.0	10.0	mg/L			03/20/25 11:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.79**				SU			03/17/25 18:24	1

Client Sample ID: MW-16

Lab Sample ID: 180-187986-5
Date Collected: 03/17/25 18:24
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.28**		1.00	0.713	mg/L			03/28/25 02:21	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 02:21	1
Sulfate	**2.44**		1.00	0.756	mg/L			03/28/25 02:21	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:48	1
Calcium	**0.879**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Client Sample ID: MW-16
Lab Sample ID: 180-187986-5
Date Collected: 03/17/25 18:24
Matrix: Water
Date Received: 03/19/25 09:30

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.51				SU			03/17/25 19:24	1

Client Sample ID: MW-11
Lab Sample ID: 180-187986-6
Date Collected: 03/18/25 10:44
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.7		1.00	0.713	mg/L			03/28/25 02:33	1
Fluoride	0.0469	J	0.100	0.0260	mg/L			03/28/25 02:33	1
Sulfate	2.34		1.00	0.756	mg/L			03/28/25 02:33	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 16:26	1
Calcium	2.87		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	17.0		10.0	10.0	mg/L			03/20/25 11:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.63				SU			03/18/25 11:44	1

Client Sample ID: MW-19
Lab Sample ID: 180-187986-7
Date Collected: 03/18/25 13:14
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.19		1.00	0.713	mg/L			03/28/25 02:44	1
Fluoride	0.0349	J	0.100	0.0260	mg/L			03/28/25 02:44	1
Sulfate	2.37		1.00	0.756	mg/L			03/28/25 02:44	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:45	03/24/25 16:28	1
Calcium	4.74		0.500	0.140	mg/L		03/24/25 05:45	03/24/25 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	12.0		10.0	10.0	mg/L			03/20/25 11:47	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.38				SU			03/18/25 14:14	1

Client Sample ID: DUP-01

Lab Sample ID: 180-187986-8

Date Collected: 03/17/25 11:42

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.12**		1.00	0.713	mg/L			03/28/25 02:56	1
Fluoride	**0.0322**	**J**	0.100	0.0260	mg/L			03/28/25 02:56	1
Sulfate	**1.28**		1.00	0.756	mg/L			03/28/25 02:56	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:26	1
Calcium	**1.42**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Client Sample ID: DUP-02

Lab Sample ID: 180-187986-9

Date Collected: 03/18/25 12:14

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.10**		1.00	0.713	mg/L			03/28/25 04:28	1
Fluoride	**0.0394**	**J**	0.100	0.0260	mg/L			03/28/25 04:28	1
Sulfate	**2.40**		1.00	0.756	mg/L			03/28/25 04:28	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:28	1
Calcium	**4.30**		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**18.0**		10.0	10.0	mg/L			03/20/25 11:47	1

Client Sample ID: EB-01

Lab Sample ID: 180-187986-10

Date Collected: 03/18/25 13:45

Matrix: Water

Date Received: 03/19/25 09:30

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.719**	**J**	1.00	0.713	mg/L			03/28/25 04:40	1
Fluoride	**0.0602**	**J**	0.100	0.0260	mg/L			03/28/25 04:40	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 04:40	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:32	1
Calcium	**0.143**	**J**	0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel NAMU CCR

Job ID: 180-187986-1

Client Sample ID: FB-01

Date Collected: 03/18/25 12:59
Date Received: 03/19/25 09:30

Lab Sample ID: 180-187986-11

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 04:51	1
Fluoride	**0.0762**	**J**	0.100	0.0260	mg/L			03/28/25 04:51	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 04:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:47	03/24/25 13:34	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:47	03/24/25 13:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-492705/44
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/27/25 19:03	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/27/25 19:03	1
Sulfate	<0.756		1.00	0.756	mg/L			03/27/25 19:03	1

Lab Sample ID: MB 180-492705/86
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/28/25 03:07	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/28/25 03:07	1
Sulfate	<0.756		1.00	0.756	mg/L			03/28/25 03:07	1

Lab Sample ID: LCS 180-492705/45
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	53.41		mg/L		107	80 - 120		
Fluoride			2.50	2.448		mg/L		98	80 - 120		
Sulfate			50.0	48.25		mg/L		96	80 - 120		

Lab Sample ID: LCS 180-492705/89
Matrix: Water
Analysis Batch: 492705

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	54.17		mg/L		108	80 - 120		
Fluoride			2.50	2.494		mg/L		100	80 - 120		
Sulfate			50.0	49.35		mg/L		99	80 - 120		

Lab Sample ID: 180-187986-1 MS
Matrix: Water
Analysis Batch: 492705

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	8.17		50.0	62.55		mg/L		109	80 - 120		
Fluoride	<0.0260		2.50	2.410		mg/L		96	80 - 120		
Sulfate	1.35		50.0	52.31		mg/L		102	80 - 120		

Lab Sample ID: 180-187986-1 MSD
Matrix: Water
Analysis Batch: 492705

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	8.17		50.0	63.05		mg/L		110	80 - 120	1	15
Fluoride	<0.0260		2.50	2.553		mg/L		102	80 - 120	6	15
Sulfate	1.35		50.0	52.07		mg/L		101	80 - 120	0	15

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-879515/1-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879515

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 16:01	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 16:01	1

Lab Sample ID: LCS 680-879515/2-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879515

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.4279		mg/L		107	80 - 120
Calcium	5.00	5.315		mg/L		106	80 - 120

Lab Sample ID: MB 680-879518/1-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		03/24/25 05:40	03/24/25 12:55	1
Calcium	<0.140		0.500	0.140	mg/L		03/24/25 05:40	03/24/25 12:55	1

Lab Sample ID: LCS 680-879518/2-A
Matrix: Water
Analysis Batch: 879626

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 879518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.4562		mg/L		114	80 - 120
Calcium	5.00	5.416		mg/L		108	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-492254/1
Matrix: Water
Analysis Batch: 492254

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:47	1

Lab Sample ID: LCS 180-492254/2
Matrix: Water
Analysis Batch: 492254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	420	398.0		mg/L		95	85 - 115

Lab Sample ID: 180-187986-10 DU
Matrix: Water
Analysis Batch: 492254

Client Sample ID: EB-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	<10.0		<10.0		mg/L		NC	10

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 180-492255/1
Matrix: Water
Analysis Batch: 492255

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/20/25 11:54	1

Lab Sample ID: LCS 180-492255/2
Matrix: Water
Analysis Batch: 492255

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			420	394.0		mg/L		94	85 - 115		

HPLC/IC

Analysis Batch: 492705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-1	MW-15	Total/NA	Water	EPA 9056A	
180-187986-2	MW-14	Total/NA	Water	EPA 9056A	
180-187986-3	MW-18	Total/NA	Water	EPA 9056A	
180-187986-4	MW-17	Total/NA	Water	EPA 9056A	
180-187986-5	MW-16	Total/NA	Water	EPA 9056A	
180-187986-6	MW-11	Total/NA	Water	EPA 9056A	
180-187986-7	MW-19	Total/NA	Water	EPA 9056A	
180-187986-8	DUP-01	Total/NA	Water	EPA 9056A	
180-187986-9	DUP-02	Total/NA	Water	EPA 9056A	
180-187986-10	EB-01	Total/NA	Water	EPA 9056A	
180-187986-11	FB-01	Total/NA	Water	EPA 9056A	
MB 180-492705/44	Method Blank	Total/NA	Water	EPA 9056A	
MB 180-492705/86	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-492705/45	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCS 180-492705/89	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-187986-1 MS	MW-15	Total/NA	Water	EPA 9056A	
180-187986-1 MSD	MW-15	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 879515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-6	MW-11	Total Recoverable	Water	3005A	
180-187986-7	MW-19	Total Recoverable	Water	3005A	
MB 680-879515/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879515/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 879518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-1	MW-15	Total Recoverable	Water	3005A	
180-187986-2	MW-14	Total Recoverable	Water	3005A	
180-187986-3	MW-18	Total Recoverable	Water	3005A	
180-187986-4	MW-17	Total Recoverable	Water	3005A	
180-187986-5	MW-16	Total Recoverable	Water	3005A	
180-187986-8	DUP-01	Total Recoverable	Water	3005A	
180-187986-9	DUP-02	Total Recoverable	Water	3005A	
180-187986-10	EB-01	Total Recoverable	Water	3005A	
180-187986-11	FB-01	Total Recoverable	Water	3005A	
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 879626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-1	MW-15	Total Recoverable	Water	6020B	879518
180-187986-2	MW-14	Total Recoverable	Water	6020B	879518
180-187986-3	MW-18	Total Recoverable	Water	6020B	879518
180-187986-4	MW-17	Total Recoverable	Water	6020B	879518
180-187986-5	MW-16	Total Recoverable	Water	6020B	879518
180-187986-6	MW-11	Total Recoverable	Water	6020B	879515
180-187986-7	MW-19	Total Recoverable	Water	6020B	879515
180-187986-8	DUP-01	Total Recoverable	Water	6020B	879518

Metals (Continued)

Analysis Batch: 879626 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-9	DUP-02	Total Recoverable	Water	6020B	879518
180-187986-10	EB-01	Total Recoverable	Water	6020B	879518
180-187986-11	FB-01	Total Recoverable	Water	6020B	879518
MB 680-879515/1-A	Method Blank	Total Recoverable	Water	6020B	879515
MB 680-879518/1-A	Method Blank	Total Recoverable	Water	6020B	879518
LCS 680-879515/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879515
LCS 680-879518/2-A	Lab Control Sample	Total Recoverable	Water	6020B	879518

General Chemistry

Analysis Batch: 492254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-1	MW-15	Total/NA	Water	SM 2540C	
180-187986-3	MW-18	Total/NA	Water	SM 2540C	
180-187986-4	MW-17	Total/NA	Water	SM 2540C	
180-187986-5	MW-16	Total/NA	Water	SM 2540C	
180-187986-6	MW-11	Total/NA	Water	SM 2540C	
180-187986-7	MW-19	Total/NA	Water	SM 2540C	
180-187986-8	DUP-01	Total/NA	Water	SM 2540C	
180-187986-9	DUP-02	Total/NA	Water	SM 2540C	
180-187986-10	EB-01	Total/NA	Water	SM 2540C	
MB 180-492254/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492254/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-187986-10 DU	EB-01	Total/NA	Water	SM 2540C	

Analysis Batch: 492255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-2	MW-14	Total/NA	Water	SM 2540C	
180-187986-11	FB-01	Total/NA	Water	SM 2540C	
MB 180-492255/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-492255/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 493586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-187986-1	MW-15	Total/NA	Water	Field Sampling	
180-187986-2	MW-14	Total/NA	Water	Field Sampling	
180-187986-3	MW-18	Total/NA	Water	Field Sampling	
180-187986-4	MW-17	Total/NA	Water	Field Sampling	
180-187986-5	MW-16	Total/NA	Water	Field Sampling	
180-187986-6	MW-11	Total/NA	Water	Field Sampling	
180-187986-7	MW-19	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Todd Voress	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 402-517-0342	E-Mail: shali.brown@eurofinset.com		Page:
Company: SCS				Job #:

Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:	Analysis Requested
City: Birmingham	TAT Requested (days):	
State, Zip: Alabama		
Phone: 205 992 6283	PO #:	
Email: SCS Contacts	WO #:	
Project Name: Daniel NAMU CCR	Project #: 18020047	
Site	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Boron and Calcium	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code								
MW-15	17MAR25	1242	G	W	No	No	X	X	X	4	
MW-14	17MAR25	1459	G	W	No	No	X	X	X	4	
MW-18	17MAR25	1625	G	W	No	No	X	X	X	4	
MW-17	17MAR25	1724	G	W	No	No	X	X	X	4	
MW-16	17MAR25	1824	G	W	No	No	X	X	X	4	
MW-11	18MAR25	1044	G	W	No	No	X	X	X	4	
MW-19	18MAR25	1314	G	W	No	No	X	X	X	4	
DUP-01	17MAR25	1142	G	W	No	No	X	X	X	4	
DUP-02	18MAR25	1214	G	W	No	No	X	X	X	4	
EB-01	18MAR25	1345	G	W	No	No	X	X	X	4	
FB-01	18MAR25	1259	G	W	No	No	X	X	X	4	

180-187986 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Todd Voress	18MAR25 / 1530	RDHENV		3/19/25 0930	EHANB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 01/16/2019

Do Not ... Tag   Do N

180-187986 Waybill

:BIXA (999) 999-9999
CA PITTSBURGH LAB
DR
H, PA 15238
ATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2
DIMS: 26x15x14 IN
BILL THIRD

)FINS

ALPHA DR
PARK
SBURGH PA 15238
7058 REF:
DEPT:

301 A...
PITTSBUR...
PRIORITY OV...
198-7028FL
ETP: 28 SP:XX:100:
1002826022710001523800286

...rrected temp 1.7 °C
...rmometer ID 25
-0.6 Initials [signature]
-SR-001 effective 7/26/13

4 of 12
...65 8335 1206
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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

Part # 156297-435 ... EXP 10/25

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEI

4150 WED 03/19 07:24
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PITTSBURGH PA
PRIORITY OVERNIG...
15238-2907-01
198-7028FL
230052
G
ETP: 28 SP:XX:100:
100282602271000 23800286

Uncorrected temp 2.4 °C
Thermometer ID 25
CF -0.6 Initials [signature]
PT-WI-SR-001 effective 7/26/13

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2 of 12
MPS# 0263 2865 8335 1180
Mstr# 2865 8335 1170
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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN
BILL THIRD PARTY

Part # 156297-435 ... EXP 10/25

TO EUROFINS
301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

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Express
E

Uncorrected temp 3.4 °C
Thermometer ID 25
CF -0.6 Initials [signature]
PT-WI-SR-001 effective 7/26/13

J251024121701uv

7 of 12
MPS# 0263 2865 8335 1239
Mstr# 2865 8335 1170
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PRIORITY OVERNIGHT
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PA–US PIT

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

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RIGIN ID:BIXA (999) 999-9999
ESTAMERICA PITTSBURGH LAB
01 ALPHA DR
ITTSBURGH, PA 15238
NITED STATES US

SHIP DATE: 18MA
ACTWGT: 60.00 L
CAD: 6993800/SS
DIMS: 26x15x14

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EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.8 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

3 of 12
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Mstr# 2865 8335 1170 0201

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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18
ACTWGT: 60.00
CAD: 6993800/
DIMS: 26x15x1

BILL THIRD PA

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 4.3 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

6 of 12
MPS# 0263 2865 8335 1228
Mstr# 2865 8335 1170 0201

WED - 19 MA
PRIORITY OV

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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN

BILL THIRD PARTY

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
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Uncorrected temp 3.6 °C
Thermometer ID 25
CF -0.6 Initials SR

PT-WI-SR-001 effective 7/26/13

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12 of 12
MPS# 0263 2865 8335 1283
Mstr# 2865 8335 1170 0201

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Part # 1569[illegible] Rev Date 10/25

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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN

BILL THIRD PARTY

Part # 156297[illegible] EXP 10/25

TO **EUROFINS**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 3.1 °C
Thermometer ID 25
CF -0.6 Initials JKR
PT-WI-SR-001 effective 7/26/13

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8 of 12
MPS# 0263 **2865 8335 1240**
Mstr# 2865 8335 1170

WED - 19 MAR 10:30A
PRIORITY OVERNIGHT
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PA-US PIT

Do Not Lift Using This Tag

ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR

PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 18MAR25
ACTWGT: 60.00 LB
CAD: 6993800/SSFE2600
DIMS: 26x15x14 IN

BILL THIRD PARTY

Part # 156297[illegible] EXP 10/25

TO **EUROFINS**

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO: DEPT:

Uncorrected temp 2.2 °C
Thermometer ID 25
CF -0.6 Initials JKR
PT-WI-SR-001 effective 7/26/13

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10 of 12
MPS# 0263 **2865 8335 1261**
Mstr# 2865 8335 1170

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PRIORITY OVERNIGHT
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ID:BIXA (999) 999-9999
ERICA PITTSBURGH LAB
PHA DR
URGH, PA 15238
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ROFINS

1 ALPHA DR
DC PARK
TTSBURGH PA 1523
63-7058

REF:

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PRIORITY OVERNIGHT 15238-2907-01
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Part # 156297-435 RRDB8 EXP 10/25

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1 of 12
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Uncorrected temp 2.9 °C
Thermometer ID 25
CF -0.6 Initials [signature]
PT-WI-SR-001 effective 7/26/13

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PITTSBURGH,PA
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ORIGIN ID:BIXA (999) 999-9999
TESTAMERICA PITTSBURGH LAB
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE:
ACTWGT: 60
CAD: 69938
DIMS: 26x1
BILL THIRD

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Uncorrected temp 1.9 °C
Thermometer ID 25
CF -0.6 Initials [signature]
PT-WI-SR-001 effective 7/26/13

5 of 12
MPS# 0263 2865 8335 1217
Mstr# 2865 8335 1170
WED – 19
PRIORITY
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Do Not Lift Using This Tag

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PRIORITY OVERNIGHT 15238-2907-01
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TESTAMERICA P
301 ALPHA DR
PITTSBURGH, PA 1523
UNITED STATES US

TO EUROFINS

301 ALPHA DR
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
INV:
PO:
REF:
DEPT:

Part # 156297-435 RRDB8 EXP 10/25

FedEx Express
E
J251024121701uv

Uncorrected temp 4.2 °C
Thermometer ID 25
CF -0.6 Initials [signature]
PT-WI-SR-001 effective 7/26/13

11 of 12
MPS# 0263 2865 8335 1272
Mstr# 2865 8335 1170
WED – 19 MAR 10:30A
PRIORITY OVERNIGHT
0201
15238
PA-US PIT
XS AGCA

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-535113.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-187986-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/1/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Daniel NAMU CCR	Project #: 18020047			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested: 6020B/3005A App III Boron and Calcium	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-15 (180-187986-1)	3/17/25	12:42 Central	G	Water			X	2	
MW-14 (180-187986-2)	3/17/25	14:59 Central	G	Water			X	2	
MW-18 (180-187986-3)	3/17/25	16:25 Central	G	Water			X	2	
MW-17 (180-187986-4)	3/17/25	17:24 Central	G	Water			X	2	
MW-16 (180-187986-5)	3/17/25	18:24 Central	G	Water			X	2	
MW-11 (180-187986-6)	3/18/25	10:44 Central	G	Water			X	2	
MW-19 (180-187986-7)	3/18/25	13:14 Central	G	Water			X	2	
DUP-01 (180-187986-8)	3/17/25	11:42 Central	G	Water			X	2	
DUP-02 (180-187986-9)	3/18/25	12:14 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/20/25 1700	EFPNE			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				3/21/25 1050	EFPNE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		9.0/9.0

Eurofins Pittsburgh
301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 180-535113.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-187986-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/1/2025			Preservation Codes: -
City: Savannah	TAT Requested (days): N/A			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Plant Daniel NAMU CCR	Project #: 18020047			
Site: N/A	SSOW#: N/A			Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A App III Boron and Calcium	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
EB-01 (180-187986-10)	3/18/25	13:45 Central	G	Water			X	2	
FB-01 (180-187986-11)	3/18/25	12:59 Central	G	Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/20/25 1700	BTHNB			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				3/21/25 1050	Eurofins

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 9.0/9.0

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187986-1

Login Number: 187986
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-187986-1

Login Number: 187986
List Number: 2
Creator: Munro, Caroline

List Source: Eurofins Savannah
List Creation: 03/21/25 07:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Low-Flow Test Report:

Test Date / Time: 3/18/2025 8:22:24 AM
Project: Daniel NAMU CCR MW-11
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 28 ft** **Total Depth: 33 ft** **Initial Depth to Water: 13.95 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 30.5 ft** **Estimated Total Volume Pumped: 54000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.71 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny, 48 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/18/2025 8:22 AM	00:00	4.63 pH	9.64 °C	69.26 µS/cm	8.84 mg/L		51.3 mV	13.95 ft	400.00 ml/min
3/18/2025 8:27 AM	05:00	4.70 pH	14.40 °C	69.98 µS/cm	3.11 mg/L	23.30 NTU	60.5 mV	15.81 ft	400.00 ml/min
3/18/2025 8:32 AM	10:00	4.61 pH	14.56 °C	71.80 µS/cm	1.50 mg/L	37.10 NTU	61.3 mV	16.15 ft	400.00 ml/min
3/18/2025 8:37 AM	15:00	4.57 pH	14.61 °C	72.77 µS/cm	0.85 mg/L	33.30 NTU	79.3 mV	16.20 ft	400.00 ml/min
3/18/2025 8:42 AM	20:00	4.57 pH	14.74 °C	72.23 µS/cm	0.61 mg/L	22.50 NTU	54.3 mV	16.25 ft	400.00 ml/min
3/18/2025 8:47 AM	25:00	4.55 pH	14.70 °C	71.85 µS/cm	0.46 mg/L	20.80 NTU	49.9 mV	16.30 ft	400.00 ml/min
3/18/2025 8:52 AM	30:00	4.55 pH	14.79 °C	71.06 µS/cm	0.39 mg/L	18.00 NTU	46.2 mV	16.36 ft	400.00 ml/min
3/18/2025 8:57 AM	35:00	4.57 pH	14.83 °C	70.30 µS/cm	0.36 mg/L	17.30 NTU	42.9 mV	16.41 ft	400.00 ml/min
3/18/2025 9:02 AM	40:00	4.56 pH	14.86 °C	69.83 µS/cm	0.33 mg/L	13.60 NTU	40.4 mV	16.45 ft	400.00 ml/min
3/18/2025 9:07 AM	45:00	4.58 pH	14.92 °C	69.54 µS/cm	0.30 mg/L	11.80 NTU	37.3 mV	16.47 ft	400.00 ml/min
3/18/2025 9:12 AM	50:00	4.58 pH	14.93 °C	69.16 µS/cm	0.29 mg/L	11.20 NTU	36.4 mV	16.50 ft	400.00 ml/min
3/18/2025 9:17 AM	55:00	4.59 pH	14.93 °C	69.02 µS/cm	0.29 mg/L	9.04 NTU	34.2 mV	16.52 ft	400.00 ml/min
3/18/2025 9:22 AM	01:00:00	4.60 pH	14.97 °C	68.82 µS/cm	0.28 mg/L	8.82 NTU	32.7 mV	16.53 ft	400.00 ml/min

3/18/2025 9:27 AM	01:05:00	4.59 pH	14.96 °C	68.65 µS/cm	0.27 mg/L	7.49 NTU	32.6 mV	16.56 ft	400.00 ml/min
3/18/2025 9:32 AM	01:10:00	4.60 pH	15.01 °C	68.57 µS/cm	0.27 mg/L	7.36 NTU	31.2 mV	16.58 ft	400.00 ml/min
3/18/2025 9:37 AM	01:15:00	4.61 pH	15.08 °C	68.52 µS/cm	0.27 mg/L	7.10 NTU	32.5 mV	16.60 ft	400.00 ml/min
3/18/2025 9:42 AM	01:20:00	4.60 pH	15.03 °C	68.42 µS/cm	0.26 mg/L	6.55 NTU	30.5 mV	16.63 ft	400.00 ml/min
3/18/2025 9:47 AM	01:25:00	4.60 pH	15.08 °C	68.30 µS/cm	0.24 mg/L	6.64 NTU	30.1 mV	16.64 ft	400.00 ml/min
3/18/2025 9:52 AM	01:30:00	4.61 pH	15.11 °C	68.40 µS/cm	0.24 mg/L	6.20 NTU	29.5 mV	16.64 ft	400.00 ml/min
3/18/2025 9:57 AM	01:35:00	4.61 pH	15.21 °C	68.12 µS/cm	0.23 mg/L	6.08 NTU	29.5 mV	16.64 ft	400.00 ml/min
3/18/2025 10:02 AM	01:40:00	4.62 pH	15.28 °C	68.12 µS/cm	0.23 mg/L	5.31 NTU	30.1 mV	16.64 ft	400.00 ml/min
3/18/2025 10:07 AM	01:45:00	4.61 pH	15.20 °C	68.09 µS/cm	0.22 mg/L	4.83 NTU	32.7 mV	16.64 ft	400.00 ml/min
3/18/2025 10:12 AM	01:50:00	4.61 pH	15.24 °C	68.17 µS/cm	0.23 mg/L	5.65 NTU	35.7 mV	16.66 ft	400.00 ml/min
3/18/2025 10:17 AM	01:55:00	4.62 pH	15.29 °C	68.14 µS/cm	0.22 mg/L	4.82 NTU	37.7 mV	16.66 ft	400.00 ml/min
3/18/2025 10:22 AM	02:00:00	4.62 pH	15.33 °C	67.97 µS/cm	0.21 mg/L	4.92 NTU	39.8 mV	16.66 ft	400.00 ml/min
3/18/2025 10:27 AM	02:05:00	4.62 pH	15.28 °C	68.06 µS/cm	0.22 mg/L	4.65 NTU	41.6 mV	16.66 ft	400.00 ml/min
3/18/2025 10:32 AM	02:10:00	4.63 pH	15.31 °C	67.99 µS/cm	0.21 mg/L	4.37 NTU	41.5 mV	16.66 ft	400.00 ml/min
3/18/2025 10:37 AM	02:15:00	4.63 pH	15.33 °C	68.07 µS/cm	0.22 mg/L	4.28 NTU	41.5 mV	16.66 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-11	Sample time = 1044

Low-Flow Test Report:

Test Date / Time: 3/17/2025 1:29:13 PM
Project: Daniel NAMU CCR MW-14
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 35.7 ft** **Total Depth: 40.7 ft** **Initial Depth to Water: 13.27 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 38.2 ft** **Estimated Total Volume Pumped: 34000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny, 68 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 1:29 PM	00:00	4.98 pH	17.40 °C	51.84 µS/cm	8.01 mg/L		141.0 mV	13.27 ft	400.00 ml/min
3/17/2025 1:34 PM	05:00	4.80 pH	16.36 °C	64.20 µS/cm	4.47 mg/L	37.60 NTU	105.0 mV	13.27 ft	400.00 ml/min
3/17/2025 1:39 PM	10:00	4.81 pH	16.31 °C	65.57 µS/cm	4.27 mg/L	34.90 NTU	167.1 mV	13.27 ft	400.00 ml/min
3/17/2025 1:44 PM	15:00	4.81 pH	16.31 °C	65.67 µS/cm	4.26 mg/L	25.10 NTU	103.5 mV	13.27 ft	400.00 ml/min
3/17/2025 1:49 PM	20:00	4.81 pH	16.36 °C	65.52 µS/cm	4.29 mg/L	18.70 NTU	102.2 mV	13.27 ft	400.00 ml/min
3/17/2025 1:54 PM	25:00	4.79 pH	16.27 °C	65.38 µS/cm	4.30 mg/L	13.30 NTU	103.4 mV	13.27 ft	400.00 ml/min
3/17/2025 1:59 PM	30:00	4.76 pH	16.34 °C	65.19 µS/cm	4.30 mg/L	11.40 NTU	104.9 mV	13.27 ft	400.00 ml/min
3/17/2025 2:04 PM	35:00	4.75 pH	16.35 °C	65.12 µS/cm	4.32 mg/L	9.29 NTU	106.4 mV	13.27 ft	400.00 ml/min
3/17/2025 2:09 PM	40:00	4.73 pH	16.13 °C	65.14 µS/cm	4.32 mg/L	7.20 NTU	106.9 mV	13.27 ft	400.00 ml/min
3/17/2025 2:14 PM	45:00	4.73 pH	16.27 °C	65.13 µS/cm	4.33 mg/L	6.42 NTU	106.0 mV	13.27 ft	400.00 ml/min
3/17/2025 2:19 PM	50:00	4.73 pH	16.29 °C	65.07 µS/cm	4.33 mg/L	5.38 NTU	107.1 mV	13.27 ft	400.00 ml/min
3/17/2025 2:24 PM	55:00	4.73 pH	16.31 °C	64.99 µS/cm	4.33 mg/L	4.98 NTU	107.2 mV	13.27 ft	400.00 ml/min
3/17/2025 2:29 PM	01:00:00	4.72 pH	16.32 °C	64.95 µS/cm	4.33 mg/L	4.58 NTU	108.2 mV	13.27 ft	400.00 ml/min

3/17/2025 2:34 PM	01:05:00	4.72 pH	16.38 °C	64.86 µS/cm	4.33 mg/L	4.22 NTU	110.5 mV	13.27 ft	400.00 ml/min
3/17/2025 2:39 PM	01:10:00	4.72 pH	16.41 °C	64.92 µS/cm	4.34 mg/L	4.22 NTU	113.3 mV	13.27 ft	400.00 ml/min
3/17/2025 2:44 PM	01:15:00	4.71 pH	16.39 °C	64.85 µS/cm	4.34 mg/L	3.50 NTU	115.6 mV	13.27 ft	400.00 ml/min
3/17/2025 2:49 PM	01:20:00	4.71 pH	16.38 °C	64.83 µS/cm	4.34 mg/L	3.28 NTU	118.8 mV	13.27 ft	400.00 ml/min
3/17/2025 2:54 PM	01:25:00	4.71 pH	16.38 °C	64.86 µS/cm	4.35 mg/L	3.27 NTU	120.3 mV	13.27 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-14	Sample time = 1459

Low-Flow Test Report:

Test Date / Time: 3/17/2025 11:47:50 AM
Project: Daniel NAMU CCR MW-15
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 34.5 ft** **Total Depth: 39.5 ft** **Initial Depth to Water: 12.51 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 20000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny, 64 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 11:47 AM	00:00	4.70 pH	13.86 °C	44.81 µS/cm	8.63 mg/L		52.1 mV	12.51 ft	400.00 ml/min
3/17/2025 11:52 AM	05:00	4.57 pH	15.73 °C	49.60 µS/cm	2.25 mg/L	5.65 NTU	57.6 mV	12.51 ft	400.00 ml/min
3/17/2025 11:57 AM	10:00	4.56 pH	15.82 °C	50.01 µS/cm	1.73 mg/L	6.73 NTU	91.5 mV	12.51 ft	400.00 ml/min
3/17/2025 12:02 PM	15:00	4.57 pH	15.89 °C	49.98 µS/cm	1.72 mg/L	4.15 NTU	71.8 mV	12.51 ft	400.00 ml/min
3/17/2025 12:07 PM	20:00	4.57 pH	15.83 °C	49.94 µS/cm	1.70 mg/L	3.45 NTU	77.4 mV	12.51 ft	400.00 ml/min
3/17/2025 12:12 PM	25:00	4.57 pH	15.95 °C	49.97 µS/cm	1.69 mg/L	2.78 NTU	81.6 mV	12.51 ft	400.00 ml/min
3/17/2025 12:17 PM	30:00	4.58 pH	16.00 °C	50.12 µS/cm	1.67 mg/L	2.35 NTU	83.9 mV	12.51 ft	400.00 ml/min
3/17/2025 12:22 PM	35:00	4.58 pH	16.03 °C	50.14 µS/cm	1.65 mg/L	2.14 NTU	85.7 mV	12.51 ft	400.00 ml/min
3/17/2025 12:27 PM	40:00	4.58 pH	16.06 °C	50.20 µS/cm	1.63 mg/L	2.11 NTU	86.3 mV	12.51 ft	400.00 ml/min
3/17/2025 12:32 PM	45:00	4.58 pH	16.10 °C	50.19 µS/cm	1.63 mg/L	1.53 NTU	87.5 mV	12.51 ft	400.00 ml/min
3/17/2025 12:37 PM	50:00	4.58 pH	16.10 °C	50.21 µS/cm	1.62 mg/L	1.31 NTU	87.7 mV	12.51 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-15	Sample time = 1242
DUP-01	Fake Sample Time = 1142

Low-Flow Test Report:

Test Date / Time: 3/17/2025 5:50:56 PM
Project: Daniel NAMU CCR MW16
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 23.3 ft** **Total Depth: 28.3 ft** **Initial Depth to Water: 10.18 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 25.8 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny, 70 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 5:50 PM	00:00	4.54 pH	15.76 °C	45.65 µS/cm	5.03 mg/L		156.8 mV	10.18 ft	400.00 ml/min
3/17/2025 5:55 PM	05:00	4.53 pH	16.05 °C	44.40 µS/cm	0.34 mg/L	3.21 NTU	127.7 mV	10.18 ft	400.00 ml/min
3/17/2025 6:00 PM	10:00	4.50 pH	16.05 °C	44.59 µS/cm	0.26 mg/L	1.32 NTU	176.1 mV	10.18 ft	400.00 ml/min
3/17/2025 6:05 PM	15:00	4.51 pH	16.09 °C	44.59 µS/cm	0.23 mg/L	0.74 NTU	105.4 mV	10.18 ft	400.00 ml/min
3/17/2025 6:10 PM	20:00	4.52 pH	16.13 °C	44.66 µS/cm	0.22 mg/L	0.70 NTU	96.1 mV	10.18 ft	400.00 ml/min
3/17/2025 6:15 PM	25:00	4.51 pH	16.10 °C	44.68 µS/cm	0.21 mg/L	0.46 NTU	91.9 mV	10.18 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-16	Sample time = 1824

Low-Flow Test Report:

Test Date / Time: 3/17/2025 4:57:17 PM
Project: Daniel NAMU CCR MW-17
Operator Name: Todd Voreis

Location Name: Daniel NAMU MW-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 23.5 ft** **Total Depth: 28.5 ft** **Initial Depth to Water: 7.97 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 26 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny, 71 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 4:57 PM	00:00	4.82 pH	16.75 °C	40.10 µS/cm	7.59 mg/L		143.3 mV	7.97 ft	400.00 ml/min
3/17/2025 5:02 PM	05:00	4.79 pH	15.58 °C	47.09 µS/cm	1.04 mg/L	1.78 NTU	119.2 mV	7.98 ft	400.00 ml/min
3/17/2025 5:07 PM	10:00	4.78 pH	15.55 °C	47.46 µS/cm	0.49 mg/L	0.87 NTU	108.6 mV	7.98 ft	400.00 ml/min
3/17/2025 5:12 PM	15:00	4.79 pH	15.47 °C	47.48 µS/cm	0.38 mg/L	0.86 NTU	101.8 mV	7.98 ft	400.00 ml/min
3/17/2025 5:17 PM	20:00	4.79 pH	15.50 °C	47.48 µS/cm	0.36 mg/L	0.75 NTU	97.3 mV	7.98 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-17	Sample time = 1724

Low-Flow Test Report:

Test Date / Time: 3/17/2025 4:01:57 PM
Project: Daniel NAMU CCR MW-18
Operator Name: Todd Voreis

Location Name: Daniel NAMU MW-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 39.4 ft** **Total Depth: 44.4 ft** **Initial Depth to Water: 17.64 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 41.9 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.01 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny, 71 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/17/2025 4:01 PM	00:00	4.35 pH	17.85 °C	49.44 µS/cm	5.07 mg/L		137.8 mV	17.64 ft	400.00 ml/min
3/17/2025 4:06 PM	05:00	4.44 pH	16.50 °C	50.62 µS/cm	0.63 mg/L	1.90 NTU	119.4 mV	17.65 ft	400.00 ml/min
3/17/2025 4:11 PM	10:00	4.48 pH	16.41 °C	50.75 µS/cm	0.29 mg/L	0.53 NTU	111.1 mV	17.65 ft	400.00 ml/min
3/17/2025 4:16 PM	15:00	4.51 pH	16.29 °C	50.70 µS/cm	0.26 mg/L	0.42 NTU	106.4 mV	17.65 ft	400.00 ml/min
3/17/2025 4:21 PM	20:00	4.53 pH	16.23 °C	50.67 µS/cm	0.24 mg/L	0.40 NTU	101.5 mV	17.65 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-18	Sample time = 1625

Low-Flow Test Report:

Test Date / Time: 3/18/2025 11:31:11 AM
Project: Daniel NAMU CCR MW-19
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.4 ft** **Total Depth: 32.4 ft** **Initial Depth to Water: 18.98 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 27.4 ft** **Estimated Total Volume Pumped: 38726.668 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 800306**

Test Notes:

Weather Conditions:
Sunny, 70 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
3/18/2025 11:31 AM	00:00	6.20 pH	16.47 °C	149.35 µS/cm	6.68 mg/L		85.9 mV	18.98 ft	400.00 ml/min
3/18/2025 11:36 AM	05:00	6.15 pH	16.90 °C	128.25 µS/cm	3.08 mg/L	13.90 NTU	54.4 mV	19.00 ft	400.00 ml/min
3/18/2025 11:41 AM	10:00	5.93 pH	16.93 °C	98.96 µS/cm	1.84 mg/L	15.30 NTU	46.7 mV	19.00 ft	400.00 ml/min
3/18/2025 11:46 AM	15:00	5.77 pH	16.92 °C	80.83 µS/cm	1.13 mg/L	13.40 NTU	58.5 mV	19.00 ft	400.00 ml/min
3/18/2025 11:51 AM	20:00	5.69 pH	16.93 °C	75.27 µS/cm	0.93 mg/L	12.00 NTU	45.8 mV	19.00 ft	400.00 ml/min
3/18/2025 11:56 AM	25:00	5.65 pH	16.94 °C	69.87 µS/cm	0.84 mg/L	9.46 NTU	45.2 mV	19.00 ft	400.00 ml/min
3/18/2025 12:01 PM	30:00	5.56 pH	17.00 °C	64.16 µS/cm	0.67 mg/L	8.19 NTU	46.9 mV	19.00 ft	400.00 ml/min
3/18/2025 12:06 PM	35:00	5.49 pH	17.05 °C	59.40 µS/cm	0.57 mg/L	7.17 NTU	49.2 mV	19.00 ft	400.00 ml/min
3/18/2025 12:11 PM	40:00	5.46 pH	17.03 °C	57.61 µS/cm	0.52 mg/L	6.10 NTU	50.0 mV	19.00 ft	400.00 ml/min
3/18/2025 12:16 PM	45:00	5.47 pH	17.08 °C	57.91 µS/cm	0.49 mg/L	5.77 NTU	50.1 mV	19.00 ft	400.00 ml/min
3/18/2025 12:21 PM	50:00	5.36 pH	17.15 °C	51.44 µS/cm	0.37 mg/L	4.53 NTU	54.3 mV	19.00 ft	400.00 ml/min
3/18/2025 12:26 PM	55:00	5.38 pH	17.15 °C	52.41 µS/cm	0.36 mg/L	4.60 NTU	53.7 mV	19.00 ft	400.00 ml/min
3/18/2025 12:31 PM	01:00:00	5.36 pH	17.13 °C	51.35 µS/cm	0.34 mg/L	3.45 NTU	54.9 mV	19.00 ft	400.00 ml/min

3/18/2025 12:33 PM	01:01:49	5.39 pH	17.18 °C	51.64 µS/cm	0.32 mg/L	3.45 NTU	35.4 mV	19.00 ft	400.00 ml/min
3/18/2025 12:38 PM	01:06:49	5.38 pH	17.16 °C	50.70 µS/cm	0.29 mg/L	2.96 NTU	48.5 mV	19.00 ft	400.00 ml/min
3/18/2025 12:43 PM	01:11:49	5.38 pH	17.18 °C	51.45 µS/cm	0.32 mg/L	2.90 NTU	51.6 mV	19.00 ft	400.00 ml/min
3/18/2025 12:48 PM	01:16:49	5.38 pH	17.11 °C	51.26 µS/cm	0.30 mg/L	2.77 NTU	52.8 mV	19.00 ft	400.00 ml/min
3/18/2025 12:53 PM	01:21:49	5.38 pH	17.13 °C	51.11 µS/cm	0.29 mg/L	2.38 NTU	53.0 mV	19.00 ft	400.00 ml/min
3/18/2025 12:58 PM	01:26:49	5.38 pH	17.17 °C	51.48 µS/cm	0.30 mg/L	2.26 NTU	53.2 mV	19.00 ft	400.00 ml/min
3/18/2025 1:03 PM	01:31:49	5.40 pH	17.18 °C	52.02 µS/cm	0.30 mg/L	2.25 NTU	52.7 mV	19.00 ft	400.00 ml/min
3/18/2025 1:08 PM	01:36:49	5.38 pH	17.17 °C	50.91 µS/cm	0.28 mg/L	1.83 NTU	53.6 mV	19.00 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-19	Sample time = 1314
Dup-02	Fake sample time = 1214
FB-01	Sample time = 1259
EB-01	Sample time = 1345

Southern Company

Second Semi-Annual Monitoring Event

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Robert (Trey) Singleton
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Generated 10/23/2025 2:01:32 PM Revision 1

JOB DESCRIPTION

Daniel NAMU CCR

JOB NUMBER

180-196639-1

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh PA 15238

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

PA Lab ID: 02-00416

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Pittsburgh Project Manager.

Authorization

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Revision 1

Authorized for release by
Shali Brown, Project Manager II
Shali.Brown@et.eurofinsus.com
(615)301-5031

Table of Contents

Job Narrative
180-196639-1

REVISION

The report being provided is a revision of the original report sent on 10/16/2025. The report (revision 1) is being revised due to Need to add Flooride Need to add Fluoride.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 10/2/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 8 coolers at receipt time were 0.7°C, 1.3°C, 2.2°C, 2.9°C, 3.3°C, 3.5°C, 4.8°C and 5.0°C.

HPLC/IC
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The continuing calibration verification (CCV) associated with batch 705-87882 recovered above the upper control limit for Boron and Calcium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:DUP-02 (180-196639-8), EB-01 (180-196639-9), FB-01 (180-196639-10), MW-16 (180-196639-11) and (CCV 705-87882/50).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Field Service / Mobile Lab
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Definitions/Glossary

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Laboratory: Eurofins Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00690	06-28-25 *
California	State	2891	04-30-26
Connecticut	State	PH-0820	09-30-26
Florida	NELAP	E871008	06-30-25 *
Georgia	State	PA 02-00416	04-30-26
Illinois	NELAP	200005	07-31-25 *
Kansas	NELAP	E-10350	01-31-26
Kentucky (UST)	State	162013	04-30-26
Kentucky (WW)	State	KY98043	12-31-25
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-25 *
Maine	State	PA00164	03-06-26
Minnesota	NELAP	042-999-482	12-31-25
New Hampshire	NELAP	2030	04-04-26
New Jersey	NELAP	PA005	06-30-25 *
New York	NELAP	11182	03-31-26
North Carolina (WW/SW)	State	434	12-31-25
North Dakota	State	R-227	04-30-24 *
Oregon	NELAP	PA-2151	02-06-26
Pennsylvania	NELAP	02-00416	04-30-26
Rhode Island	State	LAO00375	12-30-25
South Carolina	State	89014	04-30-25 *
Texas	NELAP	T104704528	03-31-26
US Fish & Wildlife	US Federal Programs	A21930	04-30-26
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462024-14	03-31-24 *
Virginia	NELAP	460189	09-14-25 *
West Virginia DEP	State	142	01-31-26
Wisconsin	State	998027800	08-31-26

Laboratory: Eurofins Atlanta

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
AIHA LAP, LLC	Environmental Lead Laboratory Accreditation Program (ELLAP)	LAP-100671	11-01-25
AIHA LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	LAP-100671	11-01-25
Florida	NELAP	E87582	06-30-26
Georgia	State	E87582	06-30-26
Georgia (DW)	State	800	04-25-26
Kentucky (UST)	State	123046	06-30-26
North Carolina (WW/SW)	State	562	12-31-25
South Carolina	State	98016	06-30-26
USDA	US Federal Programs	525-23-143-96227A1	05-24-26

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Sample Summary

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
180-196639-1	MW-15	Water	09/29/25 13:04	10/02/25 10:00	Mississippi
180-196639-2	MW-14	Water	09/29/25 14:37	10/02/25 10:00	Mississippi
180-196639-3	MW-11	Water	09/29/25 16:47	10/02/25 10:00	Mississippi
180-196639-4	MW-18	Water	09/29/25 17:52	10/02/25 10:00	Mississippi
180-196639-5	DUP-01	Water	09/29/25 15:47	10/02/25 10:00	Mississippi
180-196639-6	MW-17	Water	09/30/25 08:55	10/02/25 10:00	Mississippi
180-196639-7	MW-19	Water	09/30/25 10:35	10/02/25 10:00	Mississippi
180-196639-8	DUP-02	Water	09/30/25 09:35	10/02/25 10:00	Mississippi
180-196639-9	EB-01	Water	09/30/25 10:50	10/02/25 10:00	Mississippi
180-196639-10	FB-01	Water	09/30/25 11:00	10/02/25 10:00	Mississippi
180-196639-11	MW-16	Water	09/30/25 17:37	10/02/25 10:00	Mississippi

Method Summary

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6010D	Metals (ICP)	SW846	EET ATL
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
Field Sampling	Field Sampling	EPA	EET PIT
3010A	Preparation, Total Metals	SW846	EET ATL

Protocol References:

EPA = US Environmental Protection Agency

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Client Sample ID: MW-15
Date Collected: 09/29/25 13:04
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/03/25 23:21	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:14	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			504704	09/29/25 14:04	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-14
Date Collected: 09/29/25 14:37
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/03/25 23:35	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:34	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			504704	09/29/25 15:37	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-11
Date Collected: 09/29/25 16:47
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/03/25 23:50	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:37	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			504704	09/29/25 17:47	FDS	EET PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Client Sample ID: MW-18
Date Collected: 09/29/25 17:52
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 00:04	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:40	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			504704	09/29/25 18:52	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-01
Date Collected: 09/29/25 15:47
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 01:32	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:43	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-17
Date Collected: 09/30/25 08:55
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 01:46	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:46	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			504704	09/30/25 09:55	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-19
Date Collected: 09/30/25 10:35
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 02:01	ERP	EET PIT
	Instrument ID: INTEGRION									

Client Sample ID: MW-19

Lab Sample ID: 180-196639-7

Date Collected: 09/30/25 10:35

Matrix: Water

Date Received: 10/02/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:49	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			504704	09/30/25 11:35	FDS	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-02

Lab Sample ID: 180-196639-8

Date Collected: 09/30/25 09:35

Matrix: Water

Date Received: 10/02/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 00:19	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 16:58	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			88274	10/14/25 09:11	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-01

Lab Sample ID: 180-196639-9

Date Collected: 09/30/25 10:50

Matrix: Water

Date Received: 10/02/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 02:15	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 17:01	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-01

Lab Sample ID: 180-196639-10

Date Collected: 09/30/25 11:00

Matrix: Water

Date Received: 10/02/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 02:30	ERP	EET PIT
	Instrument ID: INTEGRION									

Lab Chronicle

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Client Sample ID: FB-01

Date Collected: 09/30/25 11:00
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 17:04	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									

Client Sample ID: MW-16

Date Collected: 09/30/25 17:37
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 9056A		1	1 mL	1 mL	503988	10/04/25 02:45	ERP	EET PIT
	Instrument ID: INTEGRION									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			87882	10/10/25 17:07	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Prep	3010A			50 mL	50 mL	87212	10/09/25 10:37	AA	EET ATL
Total/NA	Analysis	6010D		1			88274	10/14/25 09:13	DS	EET ATL
	Instrument ID: OES 2									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	503994	10/03/25 11:06	A1K	EET PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			504704	09/30/25 18:37	FDS	EET PIT
	Instrument ID: NOEQUIP									

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177
EET PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: EET ATL
- Batch Type: Prep
  - AA = Abdulmalek Abulgasem
- Batch Type: Analysis
  - DS = Dylan Slagh

Lab: EET PIT
- Batch Type: Analysis
  - A1K = Agnes Komlos
  - ERP = Evan Papak
  - FDS = Sampler Field

Client Sample Results

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Client Sample ID: MW-15

Lab Sample ID: 180-196639-1
Date Collected: 09/29/25 13:04
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		1.00	0.713	mg/L			10/03/25 23:21	1
Sulfate	**2.40**		1.00	0.756	mg/L			10/03/25 23:21	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/03/25 23:21	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259		0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:14	1
Calcium	**1.71**		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**31.0**		10.0	10.0	mg/L			10/03/25 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.47**				SU			09/29/25 14:04	1

Client Sample ID: MW-14

Lab Sample ID: 180-196639-2
Date Collected: 09/29/25 14:37
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**12.0**		1.00	0.713	mg/L			10/03/25 23:35	1
Sulfate	**1.09**		1.00	0.756	mg/L			10/03/25 23:35	1
Fluoride	**0.0274**	**J**	0.100	0.0260	mg/L			10/03/25 23:35	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259		0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:34	1
Calcium	**2.90**		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**65.0**		10.0	10.0	mg/L			10/03/25 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.69**				SU			09/29/25 15:37	1

Client Sample ID: MW-11

Lab Sample ID: 180-196639-3
Date Collected: 09/29/25 16:47
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		1.00	0.713	mg/L			10/03/25 23:50	1
Sulfate	**3.84**		1.00	0.756	mg/L			10/03/25 23:50	1
Fluoride	**0.0294**	**J**	0.100	0.0260	mg/L			10/03/25 23:50	1

Client Sample ID: MW-11

Lab Sample ID: 180-196639-3

Date Collected: 09/29/25 16:47

Matrix: Water

Date Received: 10/02/25 10:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259		0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:37	1
Calcium	1.41		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	42.0		10.0	10.0	mg/L			10/03/25 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.76				SU			09/29/25 17:47	1

Client Sample ID: MW-18

Lab Sample ID: 180-196639-4

Date Collected: 09/29/25 17:52

Matrix: Water

Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.27		1.00	0.713	mg/L			10/04/25 00:04	1
Sulfate	4.64		1.00	0.756	mg/L			10/04/25 00:04	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/04/25 00:04	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0293	J	0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:40	1
Calcium	0.706		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	11.0		10.0	10.0	mg/L			10/03/25 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.69				SU			09/29/25 18:52	1

Client Sample ID: DUP-01

Lab Sample ID: 180-196639-5

Date Collected: 09/29/25 15:47

Matrix: Water

Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		1.00	0.713	mg/L			10/04/25 01:32	1
Sulfate	3.52		1.00	0.756	mg/L			10/04/25 01:32	1
Fluoride	0.0306	J	0.100	0.0260	mg/L			10/04/25 01:32	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259		0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:43	1
Calcium	1.44		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	53.0		10.0	10.0	mg/L			10/03/25 11:06	1

Client Sample ID: MW-17

Lab Sample ID: 180-196639-6
Date Collected: 09/30/25 08:55
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.03**		1.00	0.713	mg/L			10/04/25 01:46	1
Sulfate	**4.91**		1.00	0.756	mg/L			10/04/25 01:46	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/04/25 01:46	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259		0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:46	1
Calcium	**0.965**		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			10/03/25 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.6**				SU			09/30/25 09:55	1

Client Sample ID: MW-19

Lab Sample ID: 180-196639-7
Date Collected: 09/30/25 10:35
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.92**		1.00	0.713	mg/L			10/04/25 02:01	1
Sulfate	**2.28**		1.00	0.756	mg/L			10/04/25 02:01	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/04/25 02:01	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259		0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:49	1
Calcium	**1.01**		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**31.0**		10.0	10.0	mg/L			10/03/25 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.52**				SU			09/30/25 11:35	1

Client Sample ID: DUP-02

Lab Sample ID: 180-196639-8
Date Collected: 09/30/25 09:35
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.98**		1.00	0.713	mg/L			10/04/25 00:19	1
Sulfate	**2.54**		1.00	0.756	mg/L			10/04/25 00:19	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/04/25 00:19	1

Client Sample ID: DUP-02

Lab Sample ID: 180-196639-8
Date Collected: 09/30/25 09:35
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259	^+	0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:58	1
Calcium	**0.976**		0.100	0.0382	mg/L		10/09/25 10:37	10/14/25 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**36.0**		10.0	10.0	mg/L			10/03/25 11:06	1

Client Sample ID: EB-01

Lab Sample ID: 180-196639-9
Date Collected: 09/30/25 10:50
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			10/04/25 02:15	1
Sulfate	<0.756		1.00	0.756	mg/L			10/04/25 02:15	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/04/25 02:15	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259	^+	0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 17:01	1
Calcium	<0.0382	^+	0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 17:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			10/03/25 11:06	1

Client Sample ID: FB-01

Lab Sample ID: 180-196639-10
Date Collected: 09/30/25 11:00
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			10/04/25 02:30	1
Sulfate	<0.756		1.00	0.756	mg/L			10/04/25 02:30	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/04/25 02:30	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259	^+	0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 17:04	1
Calcium	<0.0382	^+	0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			10/03/25 11:06	1

Client Sample ID: MW-16

Lab Sample ID: 180-196639-11
Date Collected: 09/30/25 17:37
Matrix: Water
Date Received: 10/02/25 10:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.60**		1.00	0.713	mg/L			10/04/25 02:45	1

Client: Southern Company
Project/Site: Daniel NAMU CCR

Job ID: 180-196639-1

Client Sample ID: MW-16
Date Collected: 09/30/25 17:37
Date Received: 10/02/25 10:00

Lab Sample ID: 180-196639-11
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**4.19**		1.00	0.756	mg/L			10/04/25 02:45	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/04/25 02:45	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259	^+	0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 17:07	1
Calcium	**1.18**		0.100	0.0382	mg/L		10/09/25 10:37	10/14/25 09:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	**31.0**		10.0	10.0	mg/L			10/03/25 11:06	1

Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	**4.66**				SU			09/30/25 18:37	1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-503988/44
Matrix: Water
Analysis Batch: 503988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			10/03/25 19:58	1
Sulfate	<0.756		1.00	0.756	mg/L			10/03/25 19:58	1

Lab Sample ID: LCS 180-503988/45
Matrix: Water
Analysis Batch: 503988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	46.77		mg/L		94	80 - 120
Sulfate	50.0	47.02		mg/L		94	80 - 120

Lab Sample ID: 180-196639-8 MS
Matrix: Water
Analysis Batch: 503988

Client Sample ID: DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.98		50.0	56.07		mg/L		100	80 - 120
Sulfate	2.54		50.0	53.24		mg/L		101	80 - 120
Fluoride	<0.0260		2.50	2.701		mg/L		108	80 - 120

Lab Sample ID: 180-196639-8 MSD
Matrix: Water
Analysis Batch: 503988

Client Sample ID: DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.98		50.0	55.86		mg/L		100	80 - 120	0	15
Sulfate	2.54		50.0	53.15		mg/L		101	80 - 120	0	15
Fluoride	<0.0260		2.50	2.702		mg/L		108	80 - 120	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 705-87212/1-A
Matrix: Water
Analysis Batch: 87882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 87212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0259		0.0500	0.0259	mg/L		10/09/25 10:37	10/10/25 16:08	1
Calcium	<0.0382		0.100	0.0382	mg/L		10/09/25 10:37	10/10/25 16:08	1

Lab Sample ID: LCS 705-87212/2-A
Matrix: Water
Analysis Batch: 87882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 87212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.00	1.069		mg/L		107	80 - 120
Calcium	10.0	10.88		mg/L		109	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 180-196639-1 MS
Matrix: Water
Analysis Batch: 87882

Client Sample ID: MW-15
Prep Type: Total/NA
Prep Batch: 87212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.0259		1.00	1.076		mg/L		108	75 - 125
Calcium	1.71		10.0	12.54		mg/L		108	75 - 125

Lab Sample ID: 180-196639-1 MSD
Matrix: Water
Analysis Batch: 87882

Client Sample ID: MW-15
Prep Type: Total/NA
Prep Batch: 87212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.0259		1.00	1.069		mg/L		107	75 - 125	1	20
Calcium	1.71		10.0	12.47		mg/L		108	75 - 125	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 180-503994/1
Matrix: Water
Analysis Batch: 503994

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			10/03/25 11:06	1

Lab Sample ID: LCS 180-503994/2
Matrix: Water
Analysis Batch: 503994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	176	172.0		mg/L		98	85 - 115

Lab Sample ID: 180-196639-2 DU
Matrix: Water
Analysis Batch: 503994

Client Sample ID: MW-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	65.0		17.00		mg/L		NC	10

HPLC/IC

Analysis Batch: 503988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-196639-1	MW-15	Total/NA	Water	EPA 9056A	
180-196639-2	MW-14	Total/NA	Water	EPA 9056A	
180-196639-3	MW-11	Total/NA	Water	EPA 9056A	
180-196639-4	MW-18	Total/NA	Water	EPA 9056A	
180-196639-5	DUP-01	Total/NA	Water	EPA 9056A	
180-196639-6	MW-17	Total/NA	Water	EPA 9056A	
180-196639-7	MW-19	Total/NA	Water	EPA 9056A	
180-196639-8	DUP-02	Total/NA	Water	EPA 9056A	
180-196639-9	EB-01	Total/NA	Water	EPA 9056A	
180-196639-10	FB-01	Total/NA	Water	EPA 9056A	
180-196639-11	MW-16	Total/NA	Water	EPA 9056A	
MB 180-503988/44	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-503988/45	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-196639-8 MS	DUP-02	Total/NA	Water	EPA 9056A	
180-196639-8 MSD	DUP-02	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 87212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-196639-1	MW-15	Total/NA	Water	3010A	
180-196639-2	MW-14	Total/NA	Water	3010A	
180-196639-3	MW-11	Total/NA	Water	3010A	
180-196639-4	MW-18	Total/NA	Water	3010A	
180-196639-5	DUP-01	Total/NA	Water	3010A	
180-196639-6	MW-17	Total/NA	Water	3010A	
180-196639-7	MW-19	Total/NA	Water	3010A	
180-196639-8	DUP-02	Total/NA	Water	3010A	
180-196639-9	EB-01	Total/NA	Water	3010A	
180-196639-10	FB-01	Total/NA	Water	3010A	
180-196639-11	MW-16	Total/NA	Water	3010A	
MB 705-87212/1-A	Method Blank	Total/NA	Water	3010A	
LCS 705-87212/2-A	Lab Control Sample	Total/NA	Water	3010A	
180-196639-1 MS	MW-15	Total/NA	Water	3010A	
180-196639-1 MSD	MW-15	Total/NA	Water	3010A	

Analysis Batch: 87882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-196639-1	MW-15	Total/NA	Water	6010D	87212
180-196639-2	MW-14	Total/NA	Water	6010D	87212
180-196639-3	MW-11	Total/NA	Water	6010D	87212
180-196639-4	MW-18	Total/NA	Water	6010D	87212
180-196639-5	DUP-01	Total/NA	Water	6010D	87212
180-196639-6	MW-17	Total/NA	Water	6010D	87212
180-196639-7	MW-19	Total/NA	Water	6010D	87212
180-196639-8	DUP-02	Total/NA	Water	6010D	87212
180-196639-9	EB-01	Total/NA	Water	6010D	87212
180-196639-10	FB-01	Total/NA	Water	6010D	87212
180-196639-11	MW-16	Total/NA	Water	6010D	87212
MB 705-87212/1-A	Method Blank	Total/NA	Water	6010D	87212
LCS 705-87212/2-A	Lab Control Sample	Total/NA	Water	6010D	87212

Metals (Continued)

Analysis Batch: 87882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-196639-1 MS	MW-15	Total/NA	Water	6010D	87212
180-196639-1 MSD	MW-15	Total/NA	Water	6010D	87212

Analysis Batch: 88274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-196639-8	DUP-02	Total/NA	Water	6010D	87212
180-196639-11	MW-16	Total/NA	Water	6010D	87212

General Chemistry

Analysis Batch: 503994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-196639-1	MW-15	Total/NA	Water	SM 2540C	
180-196639-2	MW-14	Total/NA	Water	SM 2540C	
180-196639-3	MW-11	Total/NA	Water	SM 2540C	
180-196639-4	MW-18	Total/NA	Water	SM 2540C	
180-196639-5	DUP-01	Total/NA	Water	SM 2540C	
180-196639-6	MW-17	Total/NA	Water	SM 2540C	
180-196639-7	MW-19	Total/NA	Water	SM 2540C	
180-196639-8	DUP-02	Total/NA	Water	SM 2540C	
180-196639-9	EB-01	Total/NA	Water	SM 2540C	
180-196639-10	FB-01	Total/NA	Water	SM 2540C	
180-196639-11	MW-16	Total/NA	Water	SM 2540C	
MB 180-503994/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-503994/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-196639-2 DU	MW-14	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 504704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-196639-1	MW-15	Total/NA	Water	Field Sampling	
180-196639-2	MW-14	Total/NA	Water	Field Sampling	
180-196639-3	MW-11	Total/NA	Water	Field Sampling	
180-196639-4	MW-18	Total/NA	Water	Field Sampling	
180-196639-6	MW-17	Total/NA	Water	Field Sampling	
180-196639-7	MW-19	Total/NA	Water	Field Sampling	
180-196639-11	MW-16	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

301 Alpha Drive RIDC Park
Pittsburgh, PA 15238
Phone (412) 963-7058 Fax (412) 963-2468

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Todd Vores	Lab PM: Brown, Shali	Carrier Tracking No(s)	COC No
Client Contact: SCS Contacts	Phone: 402-517-0342	E-Mail: shali brown@eurofinset.com		Page: 1 OF 1
Company: SCS				Job #:
Address: 3535 Colonnade Pkwy Bin S 530 EC	Due Date Requested:			
City: Birmingham	TAT Requested (days):			
State, Zip: Alabama				
Phone: 205 992 6283	PO #:			
Email: SCS Contacts	WO #:			
Project Name: Daniel NAMU CCR	Project #: 18020047			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B Boron and Calcium	90656 Chloride Fluoride Sulfate	Total Dissolved Solids	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-15	29SEP25	1304	G	W	No	No	X	X	X	3	
MW-14	29SEP25	1437	G	W	No	No	X	X	X	3	
MW-11	29SEP25	1647	G	W	No	No	X	X	X	3	
MW-18	29SEP25	1752	G	W	No	No	X	X	X	3	
DUP-01	29SEP25	1547	G	W	No	No	X	X	X	3	
MW-17	30SEP25	0855	G	W	No	No	X	X	X	3	
MW-19	30SEP25	1035	G	W	No	No	X	X	X	3	
DUP-02	30SEP25	0935	G	W	No	No	X	X	X	3	
EB-01	30SEP25	1050	G	W	No	No	X	X	X	3	
FB-01	30SEP25	1100	G	W	No	No	X	X	X	3	
MW-16	30SEP25	1737	G	W	No	No	X	X	X	3	

180-196639 Chain of Custody

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA

M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ________ Months

Deliverable Requested I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:		
Relinquished by: Todd Vores [signature]	Date/Time: 10/1/25 1004	Company: RDH Env	Received by: [signature]	Date/Time: 10/2/25 1000	Company: ETPITTS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No		Cooler Temperature(s) °C and Other Remarks		

Ver 01/16/2019

Do Not Lift Using This Tag

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 65.15 LB
CAD: 6994795/SSFE2621
DIMS: 23x13x13 IN

BILL THIRD PARTY

TO TEST AMERICA

301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 1.2 °C
Thermometer ID 25
CF +0.1 Initials

PT-WI-SR-001 effective 11/8/18

FedEx Express

3 of 8
MPS# 0263 3938 0344 7624
Mstr# 3938 0344 7602 0201

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

15238
PA-US PIT

Part # 156297-4455 REV02 EXP 06/26

180-196639 Waybill

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 65.15 LB
CAD: 6994795/SSFE2621
DIMS: 23x13x13 IN

BILL THIRD PARTY

TO TEST AMERICA

301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 2.1 °C
Thermometer ID 25
CF +0.1 Initials

PT-WI-SR-001 effective 11/8/18

FedEx Express

7 of 8
MPS# 0263 3938 0344 7668
Mstr# 3938 0344 7602 0201

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

15[illegible]
PA-US PIT

Part # 156297-4455 REV02 EXP 06/26

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 65.15 LB
CAD: 6994795/SSFE2621
DIMS: 23x13x13 IN

BILL THIRD PARTY

TO TEST AMERICA

301 ALPHA DRIVE

PITTSBURGH PA 15238
(999) 999-9999
INV:
PO:
REF:
DEPT:

Uncorrected temp 0.6 °C
Thermometer ID 25
CF +0.1 Initials SR
PT-WI-SR-001 effective 11/8/18

FedEx Express

5 of 8
MPS# 0263 3938 0344 7646
Mstr# 3938 0344 7602

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

0201

15238
PA-US PIT

Part # 156297-435 REV02 EXP 06/26

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 48.30 LB
CAD: 6994795/SSFE2621
DIMS: 21x14x11 IN

BILL THIRD PARTY

TO TEST AMERICA

301 ALPHA DRIVE

PITTSBURGH PA 15238
(999) 999-9999
INV:
PO:
REF:
DEPT:

Uncorrected temp 2.8 °C
Thermometer ID 25
CF +0.1 Initials SR
PT-WI-SR-001 effective 11/8/18

FedEx Express

8 of 8
MPS# 0263 3938 0344 7679
Mstr# 3938 0344 7602

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

0201

15238
PA-US PIT

Part # 156297-435 REV02 EXP 06/26

Do Not Lift Using This Tag

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 65.15 LB
CAD: 6994795/SSFE2621
DIMS: 23x13x13 IN

BILL THIRD PARTY

Part # 156297-435 ARDW2 EXP 06/26

TO TEST AMERICA

301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:

Uncorrected temp 3.2 °C
Thermometer ID 25
CF +0.1 Initials

PT-WI-SR-001 effective 11/8/18

FedEx Express

6 of 8
MPS# 0263 3938 0344 7657
Mstr# 3938 0344 7602

0201

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

15238
PA-US PIT

Do Not Lift Using This Tag

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 65.15 LB
CAD: 6994795/SSFE2621
DIMS: 23x13x13 IN

BILL THIRD PARTY

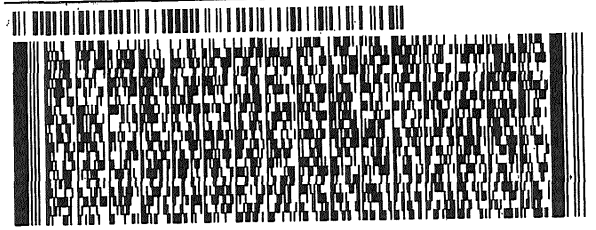
Part # 156297-435 ARDW2 EXP 06/26

TO TEST AMERICA

301 ALPHA DRIVE

PITTSBURGH PA 15238

(999) 999-9999 REF:
INV:
PO: DEPT:



FedEx Express

2 of 8
MPS# 0263 3938 0344 7613
Mstr# 3938 0344 7602

0201

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

15238
PA-US PIT

Uncorrected temp 4.9 °C
Thermometer ID 25
CF +0.1 Initials

PT-WI-SR-001 effective 11/8/18

THU 10/02 07:48
301 ALPHA DR
PITTSBURGH PA
PRIORITY OVERNIGHT
198.2099
15238-2907-01
230062
ETP: 1
SP:PO:100:Y
1002826010160001523800393803447613

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

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 65.15 LB
CAD: 6994795/SSFE2621
DIMS: 23x13x13 IN

BILL THIRD PARTY

TO TEST AMERICA
301 ALPHA DRIVE
PITTSBURGH PA 15238
(999) 999-9999 REF:
INV:
PO: DEPT:

FedEx Express

E

J253025062301uv

Part # 156297-435 RRDW2 EXP 06/26
58HJ3/2422/59F2

1 of 8
TRK# 0201 3938 0344 7602
MASTER

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

15238
PA-US PIT

Uncorrected temp 4.7 °C
Thermometer ID 25
CF +0.1 Initials JRR
PT-WI-SR-001 effective 11/8/18

Do Not Lift Using This Tag

ORIGIN ID:PNSA (402) 517-0342
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 01OCT25
ACTWGT: 65.15 LB
CAD: 6994795/SSFE2621
DIMS: 23x1...

TO TEST AMERICA
301 ALPHA DRIVE
PITTSBURGH PA 152...
(999) 999-9999 REF:
INV:
PO:

4150
THU 10/02 07:31
301 ALPHA DR
PITTSBURGH PA
PRIORITY OVERNIGHT
198-2099
ETP: 1
SP:PD:100:Y
1002826010160001623800393803...
15238-29...
230062

Uncorrected temp 3.4 °C
Thermometer ID 25
CF +0.1 Initials JRR
PT-WI-SR-001 effective 11/8/18

...Ex
...press

E

J253025062301uv

Part # 156297-435 RRDW2 EXP 06/26
58HJ3/2422/59F2

4 of 8
MPS# 0263 3938 0344 7635
Mstr# 3938 0344 7602
0201

THU - 02 OCT 10:30A
PRIORITY OVERNIGHT

XG AGCA

15238
PA-US PIT

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 410-4055667.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 1 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-196639-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 10/15/2025			
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Daniel NAMU CCR	Project #: 18020047			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes: D - HNO3

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3010A(MOD) App III Boron and Calcium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
MW-15 (180-196639-1)	9/29/25	13:04 Central	G	Water			X	1	
MW-14 (180-196639-2)	9/29/25	14:37 Central	G	Water			X	1	
MW-11 (180-196639-3)	9/29/25	16:47 Central	G	Water			X	1	
MW-18 (180-196639-4)	9/29/25	17:52 Central	G	Water			X	1	
DUP-01 (180-196639-5)	9/29/25	15:47 Central	G	Water			X	1	
MW-17 (180-196639-6)	9/30/25	08:55 Central	G	Water			X	1	
MW-19 (180-196639-7)	9/30/25	10:35 Central	G	Water			X	1	
DUP-02 (180-196639-8)	9/30/25	09:35 Central	G	Water			X	1	
EB-01 (180-196639-9)	9/30/25	10:50 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Lancaster Laboratories Environment Testing, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Lancaster Laboratories Environment Testing, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Lancaster Laboratories Environment Testing, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Lancaster Laboratories Environment Testing, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Kristi Dean	10/6/25 1448	ELET		10/7/25 1000	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2/2.2 #2927 Fedex PO

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Brown, Shali	Carrier Tracking No(s): N/A	COC No: 410-4055667.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Shali.Brown@et.eurofinsus.com	State of Origin: Mississippi	Page: Page 2 of 2
Company: Eurofins Environment Testing Southeast L		Accreditations Required (See note): N/A		Job #: 180-196639-1
Address: 3080 Presidential Dr, ,	Due Date Requested: 10/15/2025			Preservation Codes: D - HNO3
City: Atlanta	TAT Requested (days): N/A			
State, Zip: GA, 30340				
Phone: 770-457-8177(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Daniel NAMU CCR	Project #: 18020047			Other: N/A
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D/3010A(MOD) App III Boron and Calcium	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
FB-01 (180-196639-10)	9/30/25	11:00 Central	G	Water			X	1	
MW-16 (180-196639-11)	9/30/25	17:37 Central	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Lancaster Laboratories Environment Testing, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Lancaster Laboratories Environment Testing, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Lancaster Laboratories Environment Testing, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Lancaster Laboratories Environment Testing, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Kris Dean	10/6/25 1448	ELET		10/7/25 1060	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2/2.2 #2927 Fedex PO

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-196639-1

Login Number: 196639
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-196639-1

Login Number: 196639
List Number: 2
Creator: Lincoln, Alyssa

List Source: Eurofins Atlanta
List Creation: 10/07/25 02:07 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Low-Flow Test Report:

Test Date / Time: 9/29/2025 3:31:18 PM
Project: Daniel NAMU CCR MW-11 (2)
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 28 ft** **Total Depth: 33 ft** **Initial Depth to Water: 14.53 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 30.5 ft** **Estimated Total Volume Pumped: 28000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 2.43 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1215410**

Test Notes:

Weather Conditions:
Mostly cloudy, 88 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/29/2025 3:31 PM	00:00	4.829 pH	25.97 °C	60.27 µS/cm	4.146 mg/L		181.5 mV	14.53 ft	400.0 ml/min
9/29/2025 3:36 PM	05:00	4.731 pH	22.06 °C	61.19 µS/cm	1.444 mg/L	12.60 NTU	159.6 mV	16.53 ft	400.0 ml/min
9/29/2025 3:41 PM	10:00	4.691 pH	21.80 °C	59.11 µS/cm	0.687 mg/L	14.60 NTU	181.5 mV	16.70 ft	400.0 ml/min
9/29/2025 3:46 PM	15:00	4.670 pH	21.73 °C	58.65 µS/cm	0.414 mg/L	12.50 NTU	146.5 mV	16.90 ft	400.0 ml/min
9/29/2025 3:51 PM	20:00	4.676 pH	21.61 °C	58.47 µS/cm	0.310 mg/L	9.990 NTU	136.2 mV	17.03 ft	400.0 ml/min
9/29/2025 3:56 PM	25:00	4.667 pH	21.56 °C	58.59 µS/cm	0.289 mg/L	8.770 NTU	143.1 mV	17.03 ft	400.0 ml/min
9/29/2025 4:01 PM	30:00	4.670 pH	21.65 °C	58.61 µS/cm	0.250 mg/L	7.410 NTU	134.2 mV	16.97 ft	400.0 ml/min
9/29/2025 4:06 PM	35:00	4.649 pH	21.75 °C	57.54 µS/cm	0.191 mg/L	3.880 NTU	128.4 mV	16.77 ft	400.0 ml/min
9/29/2025 4:11 PM	40:00	4.671 pH	21.62 °C	58.37 µS/cm	0.207 mg/L	5.520 NTU	121.9 mV	16.85 ft	400.0 ml/min
9/29/2025 4:16 PM	45:00	4.674 pH	21.74 °C	58.34 µS/cm	0.203 mg/L	5.470 NTU	116.0 mV	16.91 ft	400.0 ml/min
9/29/2025 4:21 PM	50:00	4.679 pH	21.68 °C	58.34 µS/cm	0.201 mg/L	4.830 NTU	111.5 mV	16.94 ft	400.0 ml/min
9/29/2025 4:26 PM	55:00	4.675 pH	21.66 °C	58.27 µS/cm	0.197 mg/L	4.620 NTU	108.0 mV	16.95 ft	400.0 ml/min
9/29/2025 4:31 PM	01:00:00	4.683 pH	21.67 °C	58.25 µS/cm	0.198 mg/L	4.380 NTU	104.6 mV	16.95 ft	400.0 ml/min

9/29/2025 4:36 PM	01:05:00	4.682 pH	21.66 °C	58.18 µS/cm	0.194 mg/L	4.180 NTU	101.7 mV	16.95 ft	400.0 ml/min
9/29/2025 4:41 PM	01:10:00	4.662 pH	21.64 °C	58.15 µS/cm	0.195 mg/L	3.890 NTU	100.3 mV	16.96 ft	400.0 ml/min

Samples

Sample ID:	Description:
MW-11	Sample time 1647
DUP-01	Fake sample time 1547

Low-Flow Test Report:

Test Date / Time: 9/29/2025 1:21:46 PM
Project: Daniel NAMU CCR MW-14
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 35.7 ft** **Total Depth: 40.7 ft** **Initial Depth to Water: 13.78 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 38.2 ft** **Estimated Total Volume Pumped: 28000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0.02 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1215410**

Test Notes:

Weather Conditions:
Partly cloudy, 89 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/29/2025 1:21 PM	00:00	4.711 pH	25.63 °C	59.62 µS/cm	4.790 mg/L		175.0 mV	13.78 ft	400.0 ml/min
9/29/2025 1:26 PM	05:00	4.732 pH	23.25 °C	64.06 µS/cm	3.930 mg/L	21.10 NTU	155.9 mV	13.80 ft	400.0 ml/min
9/29/2025 1:31 PM	10:00	4.800 pH	23.35 °C	64.90 µS/cm	3.839 mg/L	21.10 NTU	146.9 mV	13.80 ft	400.0 ml/min
9/29/2025 1:36 PM	15:00	4.759 pH	23.17 °C	64.37 µS/cm	3.843 mg/L	16.20 NTU	170.9 mV	13.80 ft	400.0 ml/min
9/29/2025 1:41 PM	20:00	4.725 pH	23.04 °C	63.71 µS/cm	3.854 mg/L	13.20 NTU	172.0 mV	13.80 ft	400.0 ml/min
9/29/2025 1:46 PM	25:00	4.725 pH	22.81 °C	63.62 µS/cm	3.876 mg/L	8.910 NTU	171.4 mV	13.80 ft	400.0 ml/min
9/29/2025 1:51 PM	30:00	4.701 pH	23.39 °C	63.56 µS/cm	3.893 mg/L	6.900 NTU	145.2 mV	13.80 ft	400.0 ml/min
9/29/2025 1:56 PM	35:00	4.697 pH	22.81 °C	63.45 µS/cm	3.905 mg/L	6.500 NTU	168.1 mV	13.80 ft	400.0 ml/min
9/29/2025 2:01 PM	40:00	4.702 pH	22.86 °C	63.27 µS/cm	3.896 mg/L	5.750 NTU	169.4 mV	13.80 ft	400.0 ml/min
9/29/2025 2:06 PM	45:00	4.695 pH	23.06 °C	63.25 µS/cm	3.901 mg/L	4.200 NTU	170.3 mV	13.80 ft	400.0 ml/min
9/29/2025 2:11 PM	50:00	4.686 pH	22.77 °C	63.04 µS/cm	3.887 mg/L	4.010 NTU	171.1 mV	13.80 ft	400.0 ml/min
9/29/2025 2:16 PM	55:00	4.684 pH	23.03 °C	63.35 µS/cm	3.921 mg/L	3.690 NTU	170.7 mV	13.80 ft	400.0 ml/min
9/29/2025 2:21 PM	01:00:00	4.669 pH	22.86 °C	63.01 µS/cm	3.903 mg/L	3.420 NTU	172.0 mV	13.80 ft	400.0 ml/min

9/29/2025 2:26 PM	01:05:00	4.666 pH	22.72 °C	63.00 µS/cm	3.900 mg/L	2.740 NTU	171.9 mV	13.80 ft	400.0 ml/min
9/29/2025 2:31 PM	01:10:00	4.674 pH	22.76 °C	62.82 µS/cm	3.904 mg/L	2.590 NTU	171.2 mV	13.80 ft	400.0 ml/min

Samples

Sample ID:	Description:
MW-14	Sample time 1437

Low-Flow Test Report:

Test Date / Time: 9/29/2025 12:19:08 PM
Project: Daniel NAMU CCR MW-15
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 34.5 ft** **Total Depth: 39.5 ft** **Initial Depth to Water: 13.03 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 37 ft** **Estimated Total Volume Pumped: 16000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1215410**

Test Notes:

Weather Conditions:
Sunny, 88 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/29/2025 12:19 PM	00:00	4.749 pH	25.06 °C	59.24 µS/cm	3.798 mg/L		84.8 mV	13.03 ft	400.0 ml/min
9/29/2025 12:24 PM	05:00	4.465 pH	22.77 °C	65.56 µS/cm	3.122 mg/L	3.810 NTU	106.8 mV	13.03 ft	400.0 ml/min
9/29/2025 12:29 PM	10:00	4.465 pH	22.72 °C	65.86 µS/cm	3.059 mg/L	5.490 NTU	134.7 mV	13.03 ft	400.0 ml/min
9/29/2025 12:34 PM	15:00	4.480 pH	22.75 °C	65.61 µS/cm	3.056 mg/L	4.630 NTU	149.1 mV	13.03 ft	400.0 ml/min
9/29/2025 12:39 PM	20:00	4.464 pH	22.72 °C	65.44 µS/cm	3.058 mg/L	3.770 NTU	161.2 mV	13.03 ft	400.0 ml/min
9/29/2025 12:44 PM	25:00	4.453 pH	22.70 °C	65.36 µS/cm	3.063 mg/L	3.570 NTU	168.8 mV	13.03 ft	400.0 ml/min
9/29/2025 12:49 PM	30:00	4.451 pH	22.61 °C	65.43 µS/cm	3.063 mg/L	3.210 NTU	173.6 mV	13.03 ft	400.0 ml/min
9/29/2025 12:54 PM	35:00	4.468 pH	22.78 °C	65.35 µS/cm	3.070 mg/L	2.120 NTU	175.1 mV	13.03 ft	400.0 ml/min
9/29/2025 12:59 PM	40:00	4.464 pH	22.77 °C	65.37 µS/cm	3.078 mg/L	1.920 NTU	177.0 mV	13.03 ft	400.0 ml/min

Samples

Sample ID:	Description:
MW-15	Sample time 1304

Low-Flow Test Report:

Test Date / Time: 9/30/2025 8:30:39 AM
Project: Daniel NAMU CCR MW-17
Operator Name: Todd Voreis

Location Name: Daniel NAMU MW-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 23.5 ft** **Total Depth: 28.5 ft** **Initial Depth to Water: 8.41 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 26 ft** **Estimated Total Volume Pumped: 8000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1215410**

Test Notes:

Weather Conditions:
Sunny, 74 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/30/2025 8:30 AM	00:00	5.515 pH	23.09 °C	46.13 µS/cm	5.884 mg/L		90.0 mV	8.410 ft	400.0 ml/min
9/30/2025 8:35 AM	05:00	4.751 pH	21.70 °C	44.20 µS/cm	0.688 mg/L	8.850 NTU	87.7 mV	8.410 ft	400.0 ml/min
9/30/2025 8:40 AM	10:00	4.722 pH	21.74 °C	44.28 µS/cm	0.294 mg/L	1.510 NTU	94.7 mV	8.410 ft	400.0 ml/min
9/30/2025 8:45 AM	15:00	4.757 pH	21.74 °C	44.19 µS/cm	0.246 mg/L	1.200 NTU	90.9 mV	8.410 ft	400.0 ml/min
9/30/2025 8:50 AM	20:00	4.763 pH	21.84 °C	44.24 µS/cm	0.238 mg/L	0.600 NTU	94.4 mV	8.410 ft	400.0 ml/min

Samples

Sample ID:	Description:
MW-17	Sample time 0855

Low-Flow Test Report:

Test Date / Time: 9/29/2025 5:22:24 PM
Project: Daniel NAMU CCR MW-18
Operator Name: Todd Voreis

Location Name: Daniel NAMU MW-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 5 ft** **Top of Screen: 39.4 ft** **Total Depth: 44.4 ft** **Initial Depth to Water: 18.2 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 41.9 ft** **Estimated Total Volume Pumped: 10000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1215410**

Test Notes:

Weather Conditions:
Mostly cloudy, 84 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/29/2025 5:22 PM	00:00	4.531 pH	23.75 °C	48.33 µS/cm	2.677 mg/L		162.9 mV	18.20 ft	400.0 ml/min
9/29/2025 5:27 PM	05:00	4.570 pH	22.21 °C	49.16 µS/cm	0.302 mg/L	1.160 NTU	146.0 mV	18.20 ft	400.0 ml/min
9/29/2025 5:32 PM	10:00	4.582 pH	22.00 °C	49.20 µS/cm	0.248 mg/L	0.630 NTU	154.1 mV	18.20 ft	400.0 ml/min
9/29/2025 5:37 PM	15:00	4.593 pH	22.01 °C	49.12 µS/cm	0.240 mg/L	0.550 NTU	148.2 mV	18.20 ft	400.0 ml/min
9/29/2025 5:42 PM	20:00	4.588 pH	22.08 °C	49.17 µS/cm	0.230 mg/L	0.410 NTU	143.7 mV	18.20 ft	400.0 ml/min
9/29/2025 5:47 PM	25:00	4.601 pH	21.93 °C	49.06 µS/cm	0.224 mg/L	0.400 NTU	139.1 mV	18.20 ft	400.0 ml/min

Samples

Sample ID:	Description:
MW-18	Sample time 1752

Low-Flow Test Report:

Test Date / Time: 9/30/2025 9:17:50 AM
Project: Daniel NAMU CCR MW-19
Operator Name: Todd Voreis

Location Name: Daniel NAMU CCR MW-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 22.4 ft** **Total Depth: 32.4 ft** **Initial Depth to Water: 20.01 ft**	**Pump Type: BP** **Tubing Type: PE** **Pump Intake From TOC: 27.4 ft** **Estimated Total Volume Pumped: 28000 ml** **Flow Cell Volume: 90 ml** **Final Flow Rate: 400 ml/min** **Final Draw Down: 0 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 1215410**

Test Notes:

Weather Conditions:
Sunny, 77 degrees F

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.2	+/- 0.2	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.3	
9/30/2025 9:17 AM	00:00	5.296 pH	23.91 °C	46.95 µS/cm	3.160 mg/L		122.6 mV	20.01 ft	400.0 ml/min
9/30/2025 9:22 AM	05:00	5.148 pH	23.02 °C	44.41 µS/cm	0.660 mg/L	6.230 NTU	121.7 mV	20.01 ft	400.0 ml/min
9/30/2025 9:27 AM	10:00	5.084 pH	22.99 °C	42.84 µS/cm	0.365 mg/L	6.240 NTU	113.5 mV	20.01 ft	400.0 ml/min
9/30/2025 9:32 AM	15:00	5.000 pH	22.95 °C	40.88 µS/cm	0.264 mg/L	5.550 NTU	107.0 mV	20.01 ft	400.0 ml/min
9/30/2025 9:37 AM	20:00	4.992 pH	22.90 °C	39.86 µS/cm	0.230 mg/L	5.090 NTU	105.6 mV	20.01 ft	400.0 ml/min
9/30/2025 9:42 AM	25:00	4.998 pH	22.98 °C	39.61 µS/cm	0.220 mg/L	4.300 NTU	101.1 mV	20.01 ft	400.0 ml/min
9/30/2025 9:47 AM	30:00	5.001 pH	23.08 °C	39.46 µS/cm	0.214 mg/L	3.590 NTU	97.4 mV	20.01 ft	400.0 ml/min
9/30/2025 9:52 AM	35:00	4.971 pH	23.08 °C	39.23 µS/cm	0.211 mg/L	3.150 NTU	95.7 mV	20.01 ft	400.0 ml/min
9/30/2025 9:57 AM	40:00	4.982 pH	23.04 °C	39.03 µS/cm	0.207 mg/L	2.890 NTU	92.9 mV	20.01 ft	400.0 ml/min
9/30/2025 10:02 AM	45:00	4.974 pH	23.12 °C	38.92 µS/cm	0.202 mg/L	2.240 NTU	91.1 mV	20.01 ft	400.0 ml/min
9/30/2025 10:07 AM	50:00	4.974 pH	22.99 °C	38.61 µS/cm	0.202 mg/L	2.130 NTU	89.3 mV	20.01 ft	400.0 ml/min
9/30/2025 10:12 AM	55:00	4.951 pH	23.04 °C	38.57 µS/cm	0.200 mg/L	1.710 NTU	88.5 mV	20.01 ft	400.0 ml/min
9/30/2025 10:17 AM	01:00:00	4.925 pH	23.12 °C	38.60 µS/cm	0.204 mg/L	1.690 NTU	88.4 mV	20.01 ft	400.0 ml/min

9/30/2025 10:22 AM	01:05:00	4.945 pH	23.15 °C	38.52 µS/cm	0.200 mg/L	1.450 NTU	86.0 mV	20.01 ft	400.0 ml/min
9/30/2025 10:27 AM	01:10:00	4.940 pH	23.14 °C	38.38 µS/cm	0.199 mg/L	1.400 NTU	85.0 mV	20.01 ft	400.0 ml/min

Samples

Sample ID:	Description:
MW-19	Sample time 1035
DUP-02	Fake sample time 0935
EB-01	Sample time 1050
FB-01	Sample time 1100

Southern Company

APPENDIX B

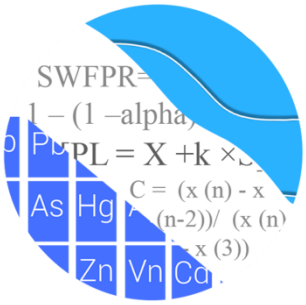
Statistical Analyses

Southern Company

First Semi-Annual Monitoring Event

GROUNDWATER STATS CONSULTING

July 2, 2025



Southern Company Services
Attn: Mr. Trey Singleton
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Daniel North Ash Management Unit (NAMU)
Background Update and Statistical Analysis – March 2025

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the 2025 Groundwater Monitoring 1st semi-annual report for Mississippi Power Company's Plant Daniel NAMU. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at Daniel NAMU for the CCR program in 2016. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** MW-11, MW-14, and MW-18
- **Downgradient wells:** MW-15, MW-16, MW-17, and MW-19

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting.

The CCR program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably throughout this report.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of well/constituent pairs containing 100% non-detects follow this letter.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. For calculating intrawell prediction limits, the substitution is performed for individual wells and may differ across wells. This generally gives the most conservative limit in each case.

Time series plots for Appendix III parameters are provided for all wells and are used to evaluate concentrations over time as well as for the purpose of updating statistical limits. Additionally, box plots are included for all constituents at upgradient and downgradient wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graph. The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

During the initial screening, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods were recommended. Power curves were provided with the screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance recommendations as discussed below.

Summary of Statistical Methods

Based on the evaluation for federal regulatory requirements, the following methods were selected for Appendix III constituents:

- Intrawell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the

nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the intrawell case, data for all wells and constituents are re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to spatial variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of spatial variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from spatial variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of

interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, 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). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of spatial variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of spatial variation rather than a result of impact to groundwater quality downgradient of the facility.

Summary of Background Screening – Conducted in October 2017

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III 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.

No suspected outliers were observed in any of the data sets for Appendix III parameters. When any values are identified as outliers, they are plotted in a lighter font on the time series graph.

Seasonality

No 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 may be visual, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. 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 decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical 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 results of the trend analyses showed a few statistically significant decreasing and increasing trends. All trends noted were relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to any of the data sets.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which 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 would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified variation among upgradient well data at Plant Daniel NAMU for the majority of the Appendix III parameters. This facility is a lined unit with pre-waste data; therefore, due to variation noted among upgradient wells, intrawell prediction limits were recommended for this facility to accommodate the groundwater quality. A summary table of the ANOVA results was included with the screening.

Summary of Background Update – Appendix III Parameters – May 2024

Outlier Analysis

Prior to updating background records, data were re-evaluated for Appendix III constituents at all wells using Tukey's outlier test and visual screening on all historical data through the October 2023 sample event. A few values were noted by Tukey's as potential outliers; however, these values were not drastically different than concentrations within the respective wells and were not flagged as outliers. Additionally, when Tukey's outlier test detects an outlier for the most recent sample, it often will not be flagged in the event that the reported concentration precedes a trend that is more representative of current concentrations. Although not identified by Tukey's test, the highest value for calcium in downgradient well MW-19 was flagged in order to construct a statistical limit that is conservative (i.e., lower) from a regulatory perspective. A full list of outliers and Tukey's test results were included with the update.

Mann-Whitney Test of Medians

The Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2021 to the new compliance samples at each well through October 2023 to evaluate whether the groups are statistically different at the 99%

confidence level for each of the Appendix III parameters. Any records that used a truncated portion of the dataset from previous updates retained the curtailed portion of their record for the Mann-Whitney test. Note that the Mann-Whitney was not performed for boron at downgradient wells MW-16 and MW-17 as these records contain 100% non-detects. When no differences are identified by the Mann-Whitney test, background data sets may be updated to include newer data for construction of prediction limits. This results in statistical limits that are representative of present-day conditions. Statistically significant differences were found between the two groups for the following well/constituent pairs:

Increase:

- Calcium: MW-19
- Chloride: MW-16
- Fluoride: MW-19
- Sulfate: MW-18 (upgradient)

Decrease:

- Calcium: MW-18 (upgradient)

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data sets are not updated to include the newer data but will be reconsidered in the future. Although calcium at upgradient well MW-18 was identified with a statistically significant decreasing median, this record was updated since reported concentrations are similar to those reported historically.

Regarding well/constituent pairs with statistically significant increases in medians, the more recent concentrations for chloride at downgradient well MW-16 were similar to concentrations in background. For fluoride at downgradient well MW-19, although more recent concentrations were slightly higher than historic detected measurements, the compliance measurements remained below the most recent reporting limit of 0.1 mg/L. Compliance observations for sulfate at upgradient well MW-18 were above existing concentrations in background; however, all more recent data are relatively stable and are assumed to represent groundwater quality unrelated to the facility. Regarding calcium at downgradient well MW-19, while the more recent median was higher than the background median, the concentrations are similar to those reported historically in upgradient well MW-14. Therefore, this record, along with all other records, was updated through October 2023.

Statistical Analysis of Appendix III Parameters – March 2025

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample strategy, were established for each of the Appendix III parameters at each well using historical data through October 2023 for comparison of the March 2025 samples. Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at the same well. The March 2025 samples from each well were compared to the prediction limits to determine whether initial exceedances are present. Note that due to a change in the reporting limits for fluoride and TDS at well MW-16, the intrawell prediction limits have changed from 0.0612 mg/L to 0.1 mg/L for fluoride and from 59.04 mg/L to 58.33 mg/L for TDS. No significant changes occurred as a result of the reporting limit increases.

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 to be a false positive result and, therefore, no further action is necessary. Complete graphical results of the prediction limits may be found following this letter. An exceedance was identified for the following well/constituent pair:

- Calcium: MW-11 (upgradient)

Two-Step Analysis

Following the two-step analysis procedure, when an exceedance is identified among downgradient wells, interwell prediction limits are constructed using pooled upgradient well data to further evaluate the apparent intrawell prediction limit exceedances. Because no intrawell prediction limits exceedances were noted among downgradient wells, no further action was required.

Trend Test Evaluation

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level. 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. The existence of similar trends in both upgradient and downgradient wells is an indication of variability in groundwater that is unrelated to practices at the site. Since no exceedances were identified downgradient of the facility, trend tests were not necessary for this analysis.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Daniel North Ash Management Unit. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Tristan Clark
Groundwater Analyst

Andrew Collins
Project Manager

Table of Contents

Summary Tables

100% Non-Detects

Analysis Run 5/2/2025 4:05 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Boron (mg/L)
MW-16, MW-17

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 5/2/2025, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	**MW-11**	**2.14**	**n/a**	**3/18/2025**	**2.87**	**Yes**	**21**	**4.762**	**None**	**x^4**	**0.00188**	**Param Intra 1 of 2**

Intrawell Prediction Limits - All Results

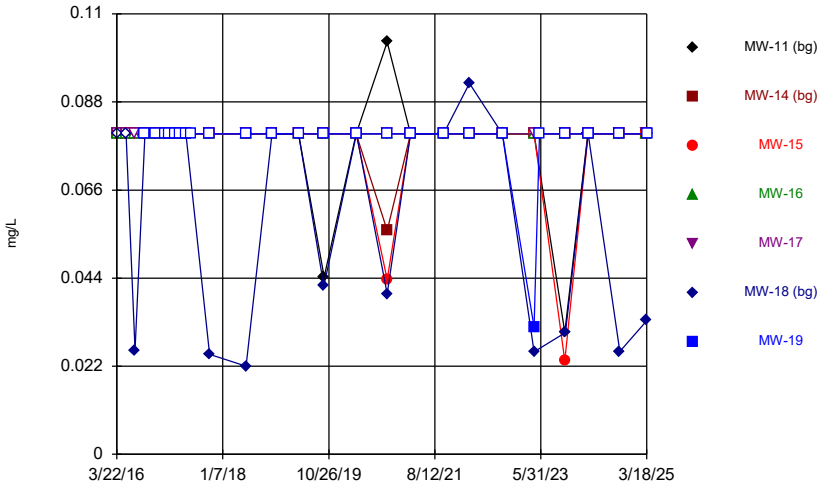
Plant Daniel Client: Southern Company Data: NAMU CCR Printed 5/2/2025, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-11	0.103	n/a	3/18/2025	0.08ND	No	21	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-14	0.08	n/a	3/17/2025	0.08ND	No	21	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-15	0.08	n/a	3/17/2025	0.08ND	No	21	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-18	0.0927	n/a	3/17/2025	0.0334J	No	21	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-19	0.08	n/a	3/18/2025	0.08ND	No	22	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Calcium (mg/L)	**MW-11**	**2.14**	**n/a**	**3/18/2025**	**2.87**	**Yes**	**21**	**4.762**	**None**	**x^4**	**0.00188**	**Param Intra 1 of 2**
Calcium (mg/L)	MW-14	5.45	n/a	3/17/2025	2.94	No	21	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-15	1.592	n/a	3/17/2025	1.12	No	21	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-16	1.249	n/a	3/17/2025	0.879	No	22	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-17	1.253	n/a	3/17/2025	1.06	No	21	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-18	0.9961	n/a	3/17/2025	0.727	No	21	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-19	5.84	n/a	3/18/2025	4.74	No	21	0	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-11	15.86	n/a	3/18/2025	13.7	No	36	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-14	12.24	n/a	3/17/2025	11.6	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-15	10.16	n/a	3/17/2025	8.17	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-16	11.41	n/a	3/17/2025	6.28	No	23	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-17	8.088	n/a	3/17/2025	6.04	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-18	11.41	n/a	3/17/2025	6.48	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-19	6.91	n/a	3/18/2025	5.19	No	22	4.545	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-11	0.1	n/a	3/18/2025	0.0469J	No	21	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-14	0.0511	n/a	3/17/2025	0.0418J	No	21	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-15	0.1	n/a	3/17/2025	0.1ND	No	21	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-16	0.1	n/a	3/17/2025	0.1ND	No	21	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-17	0.1	n/a	3/17/2025	0.1ND	No	21	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-18	0.1	n/a	3/17/2025	0.0897J	No	21	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-19	0.0849	n/a	3/18/2025	0.0349J	No	22	68.18	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
pH (SU)	MW-11	4.897	4.494	3/18/2025	4.63	No	22	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-14	5.464	4.648	3/17/2025	4.71	No	21	0	None	x^(1/3)	0.0009398	Param Intra 1 of 2
pH (SU)	MW-15	4.981	4.434	3/17/2025	4.58	No	21	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-16	4.781	4.402	3/17/2025	4.51	No	21	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-17	5.42	4.79	3/17/2025	4.79	No	21	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (SU)	MW-18	4.83	4.47	3/17/2025	4.53	No	20	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-19	6.06	4.81	3/18/2025	5.38	No	23	0	n/a	n/a	0.006831	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-11	11.5	n/a	3/18/2025	2.34	No	36	13.89	n/a	n/a	0.001429	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-14	2.435	n/a	3/17/2025	1.05	No	21	28.57	Kaplan-Meier	x^2	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-15	3.38	n/a	3/17/2025	1.35	No	21	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-16	5	n/a	3/17/2025	2.44	No	21	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-17	3.848	n/a	3/17/2025	3.82	No	21	9.524	None	No	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-18	7.288	n/a	3/17/2025	4.28	No	21	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-19	5	n/a	3/18/2025	2.37	No	22	31.82	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-11	76.45	n/a	3/18/2025	17	No	21	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-14	67.05	n/a	3/17/2025	13	No	21	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-15	55.48	n/a	3/17/2025	12	No	22	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-16	58.33	n/a	3/17/2025	5ND	No	21	14.29	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-17	48.32	n/a	3/17/2025	19	No	21	4.762	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-18	44.58	n/a	3/17/2025	5ND	No	21	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-19	52.09	n/a	3/18/2025	12	No	22	4.545	None	No	0.00188	Param Intra 1 of 2

Time Series

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



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Plant Daniel Client: Southern Company Data: NAMU CCR

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Hollow symbols indicate censored values.

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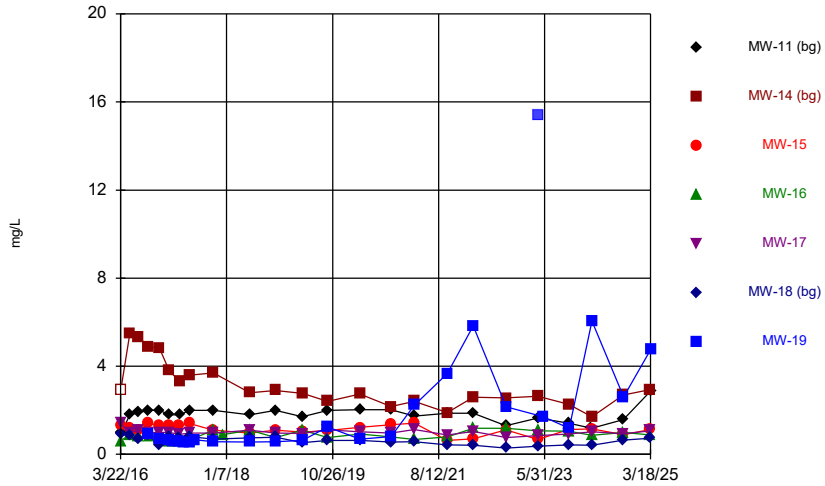

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Plant Daniel Client: Southern Company Data: NAMU CCR

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Hollow symbols indicate censored values.

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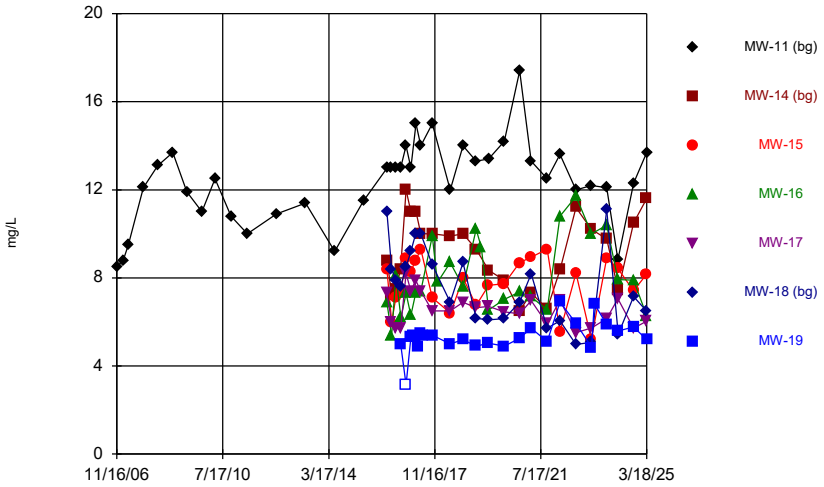

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Plant Daniel Client: Southern Company Data: NAMU CCR

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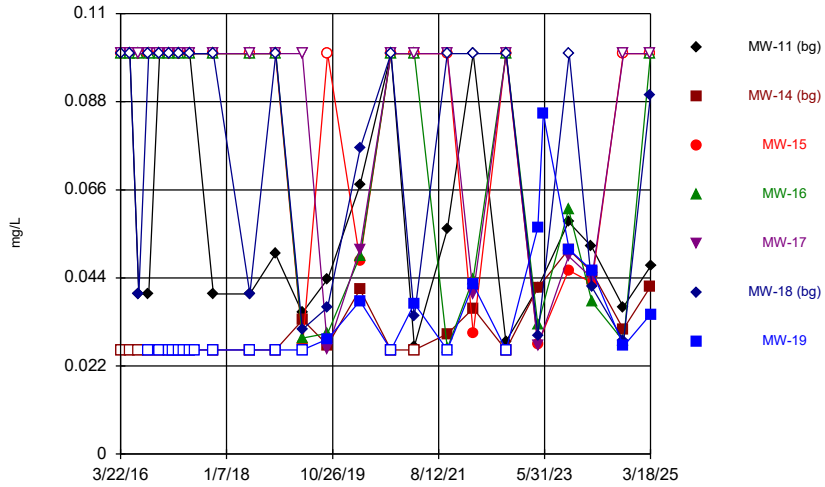
Hollow symbols indicate censored values.

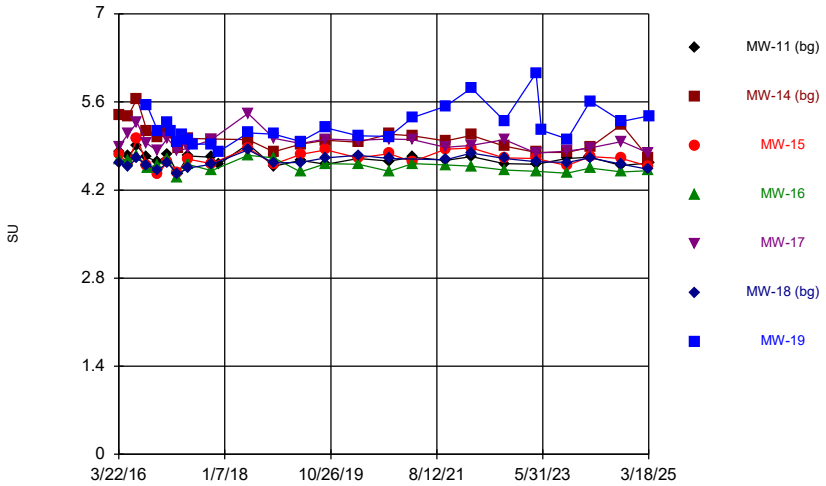
Time Series



Constituent: Fluoride Analysis Run 5/2/2025 3:53 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



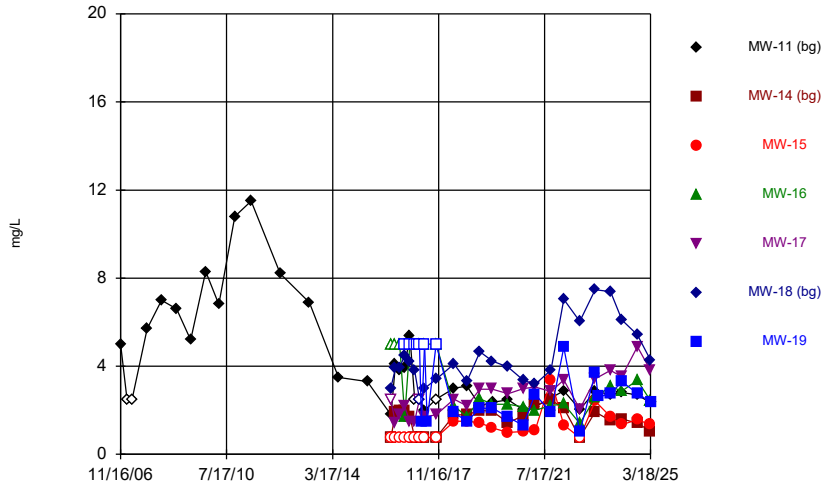
Constituent: pH Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



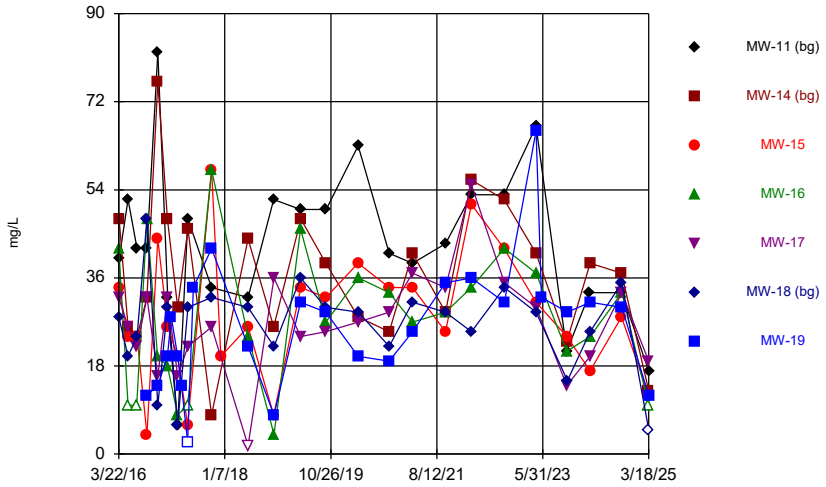
Constituent: Sulfate Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Time Series

Constituent: Boron (mg/L) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			<0.08 (B1)	<0.08 (B1)	<0.08 (B1)	<0.08 (B1)	
3/23/2016	<0.08 (B1)	<0.08 (B1)					
5/18/2016	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	
7/11/2016				<0.08			
7/12/2016	<0.08	<0.08	<0.08		<0.08	0.026 (J)	
9/12/2016	<0.08	<0.08	<0.08		<0.08	<0.08	<0.08
9/13/2016				<0.08			
11/17/2016				<0.08			
11/18/2016	<0.08				<0.08	<0.08	<0.08
11/19/2016		<0.08	<0.08				
1/18/2017		<0.08		<0.08	<0.08	<0.08	<0.08
1/19/2017	<0.08		<0.08				
2/10/2017							<0.08
3/21/2017			<0.08	<0.08	<0.08	<0.08	<0.08
3/22/2017	<0.08	<0.08					
4/14/2017							<0.08
5/23/2017			<0.08	<0.08			<0.08
5/24/2017	<0.08	<0.08			<0.08	<0.08	
6/26/2017							<0.08
10/17/2017	<0.08	<0.08	<0.08	<0.08	<0.08	0.025 (J)	<0.08
5/31/2018	<0.08			<0.08	<0.08	0.022 (J)	<0.08
6/1/2018		<0.08	<0.08				
11/7/2018	<0.08	<0.08	<0.08				
11/8/2018				<0.08	<0.08	<0.08	<0.08
4/22/2019	<0.08			<0.08	<0.08	<0.08	<0.08
4/23/2019		<0.08	<0.08				
9/26/2019		<0.08	<0.08	<0.08	<0.08	0.042 (J)	<0.08
9/27/2019	0.0443 (J)						
4/13/2020	<0.08	<0.08	<0.08		<0.08		<0.08
4/14/2020				<0.08		<0.08	
10/21/2020				<0.08			<0.08
10/22/2020	0.103	0.0559 (J)	0.0437 (J)		<0.08	0.0401 (J)	
3/16/2021	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
10/5/2021	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3/15/2022	<0.08	<0.08	<0.08	<0.08			<0.08
3/16/2022					<0.08	0.0927	
10/4/2022	<0.08	<0.08	<0.08				
10/5/2022				<0.08	<0.08	<0.08	<0.08
4/19/2023	<0.08	<0.08	<0.08			0.0256 (J)	
4/20/2023				<0.08	<0.08		0.0318 (J)
5/24/2023							<0.08
10/27/2023	0.0305 (J)	<0.08	0.0234 (J)	<0.08	<0.08		
10/30/2023						0.0304 (J)	<0.08
3/18/2024	<0.08						
3/19/2024			<0.08	<0.08	<0.08		<0.08
3/20/2024		<0.08				<0.08	
9/30/2024	<0.08	<0.08	<0.08				
10/1/2024				<0.08	<0.08	0.0257 (J)	<0.08
3/17/2025		<0.08	<0.08	<0.08	<0.08	0.0334 (J)	
3/18/2025	<0.08						<0.08

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			1.3 (B1)	0.61 (B1)	1.4 (B1)	0.93 (B1)	
3/23/2016	<1.9 (*)	<5.9 (*)					
5/18/2016	1.8	5.5	1.2	0.89	1	0.85	
7/11/2016				0.82			
7/12/2016	1.9	5.3	1.1		1.1	0.69	
9/12/2016	2	4.9	1.4		0.98	0.86	0.92
9/13/2016				0.82			
11/17/2016				0.75			
11/18/2016	2				1	0.41	0.68
11/19/2016		4.8	1.3				
1/18/2017		3.8		0.58	1	0.81	0.64
1/19/2017	1.8		1.3				
2/10/2017							0.58
3/21/2017			1.3	0.6	0.91	0.76	0.56
3/22/2017	1.8	3.3					
4/14/2017							0.51
5/23/2017			1.4	0.65			0.54
5/24/2017	2	3.6			0.96	0.8	
6/26/2017							0.66
10/17/2017	2	3.7	1.1	1.1	0.96	0.69	0.58
12/15/2017				0.89 (RS)			
5/31/2018	1.8			1.1	1.1	0.75	0.56
6/1/2018		2.8	0.97				
11/7/2018	2	2.9	1.1				
11/8/2018				0.76	0.96	0.78	0.57
4/22/2019	1.71			1.09	0.946	0.531	0.634
4/23/2019		2.76	1.01				
9/26/2019		2.4	1.08	0.758	1.11	0.631	1.24
9/27/2019	1.99						
4/13/2020	2.03	2.74	1.22		1.03		0.687
4/14/2020				0.92		0.627	
10/21/2020				0.798			0.806
10/22/2020	2.02	2.17	1.35		0.969	0.553	
3/16/2021	1.74	2.4	1.41	0.681	1.12	0.57	2.23
10/5/2021	1.87	1.89	0.632	0.793	0.883	0.43 (J)	3.67
3/15/2022	1.87	2.59	0.703	1.18			5.84
3/16/2022					1.04	0.406 (J)	
10/4/2022	1.3	2.56	1.11				
10/5/2022				1.19	0.755	0.285 (J)	2.16
4/19/2023	1.65	2.63	0.682			0.368 (J)	
4/20/2023				1.07	0.855		15.4 (o)
5/24/2023							1.7
10/27/2023	1.42	2.28	1.13	1.05	0.916		
10/30/2023						0.427 (J)	1.19
3/18/2024	1.19						
3/19/2024			1.16	0.87	1.03		6.05
3/20/2024		1.7				0.414 (J)	
9/30/2024	1.58	2.69	0.896				
10/1/2024				0.988	0.939	0.647	2.61
3/17/2025		2.94	1.12	0.879	1.06	0.727	
3/18/2025	2.87						4.74

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
11/16/2006	8.5						
2/5/2007	8.8						
4/12/2007	9.5						
10/17/2007	12.1						
4/17/2008	13.1						
10/24/2008	13.7						
4/21/2009	11.9						
10/26/2009	11						
4/12/2010	12.5						
10/30/2010	10.8						
5/25/2011	10						
5/25/2012	10.9						
5/28/2013	11.4						
5/31/2014	9.2						
5/29/2015	11.5						
3/22/2016			8.4 (B1)	6.9 (B1)	7.3 (B1)	11 (B1)	
3/23/2016	13	8.8 (B1)					
5/18/2016	13	7.2	6	5.4	6	8.4	
7/11/2016				8.1			
7/12/2016	13	7.5	7.1		5.7	7.9	
9/12/2016	13	8.4	7.3		5.7	7.6	5
9/13/2016				6.2			
11/17/2016				7.3			
11/18/2016	14				8.2	8.5	<6.3 (*)
11/19/2016		12	8.9				
1/18/2017		11		6.3	7.4	9.2	5.3
1/19/2017	13		8.3				
2/10/2017							5.4
3/21/2017			8.8	7.3	7.9	10	5.3
3/22/2017	15	11					
4/14/2017							4.9 (B)
5/23/2017			9.3	7.4			5.5
5/24/2017	14	10			7.4	10	
6/26/2017							5.4
10/17/2017	15	10	7.1	9.9	6.5	8.6	5.4
12/19/2017				7.8 (RS)			
5/31/2018	12			8.7	6.5	6.9	5
6/1/2018		9.9	6.4				
11/7/2018	14	10	8				
11/8/2018				7.6	6.9	8.7	5.2
4/22/2019	13.3			10.2	6.64	6.17	4.91
4/23/2019		9.3	6.75				
6/25/2019				9.4			
9/26/2019		8.35	7.66	6.54	6.7	6.09	5.03
9/27/2019	13.4						
4/13/2020	14.2	7.9	7.74		6.46		4.9
4/14/2020				7.03		6.15	
10/21/2020				7.36			5.25
10/22/2020	17.4	6.5	8.69		6.37	6.89	
3/16/2021	13.3	7.32	8.94	7.14	6.97	8.18	5.72
10/5/2021	12.5	6.59	9.3	6.55	5.91	5.72	5.1
3/15/2022	13.6	8.36	5.55	10.8			6.91

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/16/2022					7	6.05	
10/4/2022	12	11.2	8.22				
10/5/2022				11.7	5.51	4.97	5.94
4/19/2023	12.2	10.2	5.21			5.08	
4/20/2023				10	5.73		4.84
5/24/2023							6.84
10/27/2023	12.1	9.77	8.9	10.4	6.16		
10/30/2023						11.1	5.88
3/18/2024	8.82						
3/19/2024			8.42	7.92	7.06		5.59
3/20/2024		7.44				5.44	
9/30/2024	12.3	10.5	7.42				
10/1/2024				7.89	5.72	7.15	5.78
3/17/2025		11.6	8.17	6.28	6.04	6.48	
3/18/2025	13.7						5.19

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			<0.1 (B1)	<0.1 (B1)	<0.1 (B1)	<0.1 (B1)	
3/23/2016	<0.1	<0.026 (B1)					
5/18/2016	<0.1	<0.026	<0.1	<0.1	<0.1	<0.1	
7/11/2016				<0.1			
7/12/2016	0.04 (J)	<0.026	<0.1		<0.1	0.04 (J)	
9/12/2016	0.04 (J)	<0.026	<0.1		<0.1	<0.1	<0.026
9/13/2016				<0.1			
11/17/2016				<0.1			
11/18/2016	<0.1				<0.1	<0.1	<0.026
11/19/2016		<0.026	<0.1				
1/18/2017		<0.026		<0.1	<0.1	<0.1	<0.026
1/19/2017	<0.1		<0.1				
2/10/2017							<0.026
3/21/2017			<0.1	<0.1	<0.1	<0.1	<0.026
3/22/2017	<0.1	<0.026					
4/14/2017							<0.026
5/23/2017			<0.1	<0.1			<0.026
5/24/2017	<0.1	<0.026			<0.1	<0.1	
6/26/2017							<0.026
10/17/2017	0.04 (J)	<0.026	<0.1	<0.1	<0.1	<0.1	<0.026
5/31/2018	0.04 (J)			<0.1	<0.1	0.04 (J)	<0.026
6/1/2018		<0.026	<0.1				
11/7/2018	0.05 (J)	<0.026	<0.1				
11/8/2018				<0.1	<0.1	<0.1	<0.026
4/22/2019	0.0353 (J)			0.029 (J)	<0.1	0.0311 (J)	<0.026
4/23/2019		0.0335 (J)	0.0275 (J)				
9/26/2019		0.0272 (J)	<0.1	0.0302 (J)	0.0263 (J)	0.0366 (J)	0.0287 (J)
9/27/2019	0.0438 (J)						
4/13/2020	0.0672 (J)	0.0411 (J)	0.0484 (J)		0.0511 (J)		0.0382 (J)
4/14/2020				0.0496 (J)		0.0764 (J)	
10/21/2020				<0.1			<0.026
10/22/2020	<0.1	<0.026	<0.1		<0.1	<0.1	
3/16/2021	0.0269 (J)	<0.026	<0.1	<0.1	<0.1	0.0344 (J)	0.0376 (J)
10/5/2021	0.0561 (J)	0.03 (J)	<0.1	0.0264 (J)	<0.1	<0.1	<0.026
3/15/2022	<0.1	0.0364 (J)	0.0302 (J)	0.0438 (J)			0.0423 (J)
3/16/2022					0.0399 (J)	<0.1	
10/4/2022	0.0281 (J)	<0.026	<0.1				
10/5/2022				<0.1	<0.1	<0.1	<0.026
4/19/2023	0.0416 (J)	0.0415 (J)	0.0275 (J)			0.0297 (J)	
4/20/2023				0.0322 (J)	0.0271 (J)		0.0566 (J)
5/24/2023							0.0849 (J)
10/27/2023	0.058 (J)	0.0511 (J)	0.0459 (J)	0.0612 (J)	0.0494 (J)		
10/30/2023						<0.1	0.0511 (J)
3/18/2024	0.0518 (J)						
3/19/2024			0.0428 (J)	0.038 (J)	0.044 (J)		0.0458 (J)
3/20/2024		0.0454 (J)				0.0417 (J)	
9/30/2024	0.0367 (J)	0.0312 (J)	<0.1				
10/1/2024				0.0282 (J)	<0.1	0.0283 (J)	0.027 (J)
3/17/2025		0.0418 (J)	<0.1	<0.1	<0.1	0.0897 (J)	
3/18/2025	0.0469 (J)						0.0349 (J)

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			4.77	4.68	4.89	4.63	
3/23/2016	4.8	5.4					
5/18/2016	4.74	5.38	4.62	4.67	5.09	4.58	
7/11/2016				4.75			
7/12/2016	4.9	5.65	5.03		5.27	4.7	
9/12/2016	4.72	5.14	4.6		4.94	4.6	5.55
9/13/2016				4.56			
11/17/2016				4.6			
11/18/2016	4.65				4.82	4.52	5.14
11/19/2016		5.05	4.46				
1/18/2017		5.11		4.68	5.02	4.63	5.27
1/19/2017	4.77		4.65				
2/10/2017							5.14
3/21/2017			4.47	4.39	4.82	4.45	4.96
3/22/2017	4.46	4.86					
4/14/2017							5.07
5/23/2017			4.69	4.61			5.01
5/24/2017	4.74	5.02			4.87	4.55	
6/26/2017							4.93
10/17/2017	4.72	5.01	4.62	4.51	5	4.61	4.93
11/30/2017	4.61						4.81
5/31/2018	4.93			4.75	5.42	4.84	5.11
6/1/2018		5	4.87				
11/7/2018	4.58	4.81	4.61				
11/8/2018				4.71	5.02	4.63	5.09
4/22/2019	4.67			4.49	4.94	4.64	4.97
4/23/2019		4.93	4.77				
9/26/2019		4.99	4.84	4.62	5.01	4.71	5.19
9/27/2019	4.61						
4/13/2020	4.7	4.96	4.71		4.99		5.06
4/14/2020				4.61		4.75	
10/21/2020				4.5			5.05
10/22/2020	4.66	5.09	4.78		5.01	4.7	
3/16/2021	4.72	5.06	4.65	4.62	5		5.35
10/5/2021	4.67	4.98	4.85	4.6	4.88	4.68	5.53
3/15/2022	4.73	5.07	4.87	4.58			5.82
3/16/2022					4.91	4.79	
10/4/2022	4.62	4.9	4.71				
10/5/2022				4.52	5	4.7	5.3
4/19/2023	4.61	4.8	4.7			4.65	
4/20/2023				4.5	4.79		6.06
5/24/2023							5.15
10/27/2023	4.7	4.8	4.59	4.47	4.82		
10/30/2023						4.64	5.01
3/18/2024	4.72						
3/19/2024			4.73	4.55	4.87		5.61
3/20/2024		4.88				4.71	
9/30/2024	4.59	5.24	4.7				
10/1/2024				4.49	4.97	4.61	5.29
3/17/2025		4.71	4.58	4.51	4.79	4.53	
3/18/2025	4.63						5.38

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
11/16/2006	5						
2/5/2007	<5						
4/12/2007	<5						
10/17/2007	5.7						
4/17/2008	7						
10/24/2008	6.6						
4/21/2009	5.2						
10/26/2009	8.3						
4/12/2010	6.8						
10/30/2010	10.8						
5/25/2011	11.5						
5/25/2012	8.2						
5/28/2013	6.9						
5/31/2014	3.5						
5/29/2015	3.3						
3/22/2016			<0.756	<5	<5	3 (J)	
3/23/2016	1.8 (J)	<0.756					
5/18/2016	4.1	1.9	<0.756	<5	1.4	3.9 (J)	
7/11/2016				<5			
7/12/2016	3.8 (J)	2 (J)	<0.756		1.8 (J)	3.9 (J)	
9/12/2016	3.9 (J)	2 (J)	<0.756		2.2 (J)	4.5 (J)	<5
9/13/2016				1.7 (J)			
11/17/2016				<5			
11/18/2016	5.4				1.5 (J)	4.2 (J)	<5
11/19/2016		1.7 (J)	<0.756				
1/18/2017		<0.756		<5	1.5 (J)	3.8 (J)	<5
1/19/2017	<5		<0.756				
2/10/2017							<5
3/21/2017			<0.756	<5	<5	<5 (*)	<5
3/22/2017	<5	<0.756					
4/14/2017							1.5 (J)
5/23/2017			<0.756	<5			<5
5/24/2017	2 (J)	<0.756			1.7 (J)	3 (J)	
6/26/2017							1.5 (J)
10/17/2017	<5	<0.756	<0.756	<5	1.8 (J)	3.4 (J)	<5
5/31/2018	3 (J)			2.2 (J)	2.5 (J)	4.1 (J)	1.9 (J)
6/1/2018		1.8 (J)	1.5 (J)				
11/7/2018	3.1 (J)	1.8 (J)	1.5 (J)				
11/8/2018				1.7 (J)	2.2 (J)	3.3 (J)	1.5 (J)
4/22/2019	2.22			2.52	2.96	4.66	2.09
4/23/2019		1.99	1.43				
9/26/2019		1.95	1.2	2.28	2.96	4.23	2.1
9/27/2019	2.36						
4/13/2020	2.47	1.43	0.992 (J)		2.75		1.69
4/14/2020				2.27		3.96	
10/21/2020				2.15			1.31
10/22/2020	2.01	1.76	1.04		2.98	3.37	
3/16/2021	2.15	2.23	1.07	2	3.06	3.18	2.72
10/5/2021	2.57	2.46	3.38	2.22	2.85	3.83	1.91
3/15/2022	2.88	2.1	1.33	2.29			4.86
3/16/2022					3.38	7.04	
10/4/2022	2.04	<0.756	<0.756				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 3:53 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
10/5/2022				1.4	2.05	6.04	1.02
4/19/2023	2.85	1.93	2.42			7.48	
4/20/2023				2.59	3.44		3.73
5/24/2023							2.62
10/27/2023	2.72	1.53	1.7	3.08	3.82		
10/30/2023						7.39	2.73
3/18/2024	2.81						
3/19/2024			1.35	2.87	3.53		3.31
3/20/2024		1.61				6.1	
9/30/2024	2.69	1.41	1.58				
10/1/2024				3.36	4.89	5.43	2.77
3/17/2025		1.05	1.35	2.44	3.82	4.28	
3/18/2025	2.34						2.37

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 3:53 PM

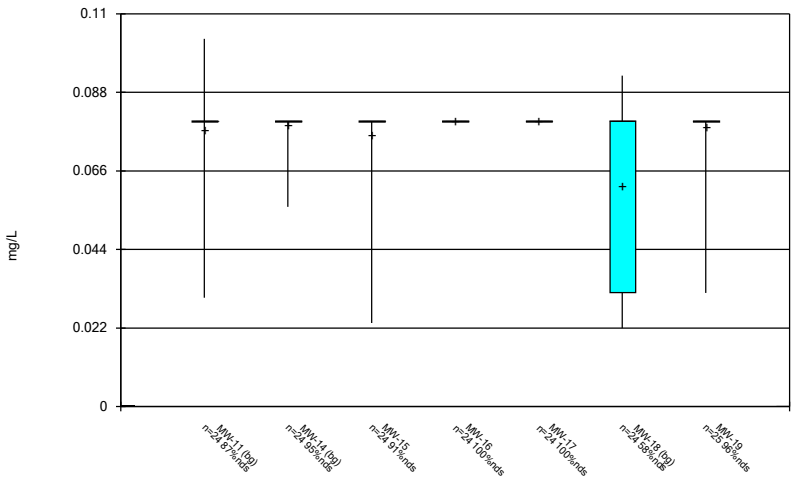
Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			34 (B1)	42 (B1)	32 (B1)	28 (B1)	
3/23/2016	40	48 (B1)					
5/18/2016	52	26	24	<10	26	20	
7/11/2016				<10			
7/12/2016	42	24	24		22	24	
9/12/2016	42	32	4 (J)		32	48	12
9/13/2016				48			
11/17/2016				20			
11/18/2016	82				16	10	14
11/19/2016		76	44				
1/18/2017		48		18	32	30	20
1/19/2017	32		26				
2/10/2017							28
3/21/2017			20	8	16	6	20
3/22/2017	6	30					
4/14/2017							14
5/23/2017			6	<10			<5
5/24/2017	48	46			22	30	
6/26/2017							34
10/17/2017	34	8	58	58	26	32	42
12/15/2017			20 (RS)				
5/31/2018	32			24	<3.4	30	22
6/1/2018		44	26				
11/7/2018	52	26	8				
11/8/2018				4 (J)	36	22	8
4/22/2019	50			46	24	36	31
4/23/2019		48	34				
9/26/2019		39	32	27	25	30	29
9/27/2019	50						
4/13/2020	63	28	39		27		20
4/14/2020				36		29	
10/21/2020				33			19
10/22/2020	41	25	34		29	22	
3/16/2021	39	41	34	27	37	31	25
10/5/2021	43	29	25	29	34	29	35
3/15/2022	53	56	51	34			36
3/16/2022					55	25	
10/4/2022	53	52	42				
10/5/2022				42	35	34	31
4/19/2023	67	41	31			29	
4/20/2023				37	30		66
5/24/2023							32
10/27/2023	21	23	24	21	14		
10/30/2023						15	29
3/18/2024	33						
3/19/2024			17	24	20		31
3/20/2024		39				25	
9/30/2024	33	37	28				
10/1/2024				33	33	35	30
3/17/2025		13	12	<10	19	<10	
3/18/2025	17						12

ND substitution: RL or RL/2 if <15% NDs.

Box Plots

Box & Whiskers Plot

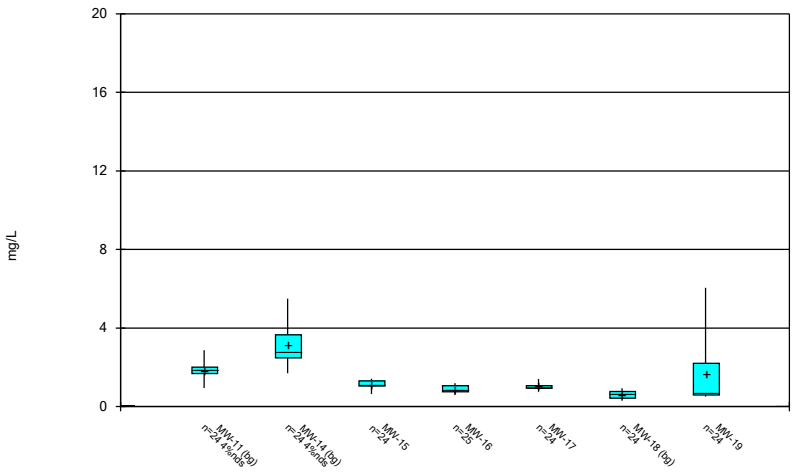


Constituent: Boron Analysis Run 5/2/2025 3:54 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

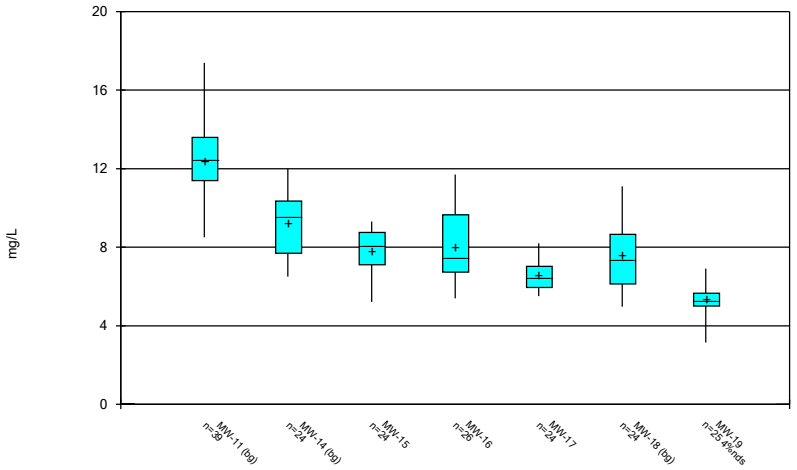


Constituent: Calcium Analysis Run 5/2/2025 3:54 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

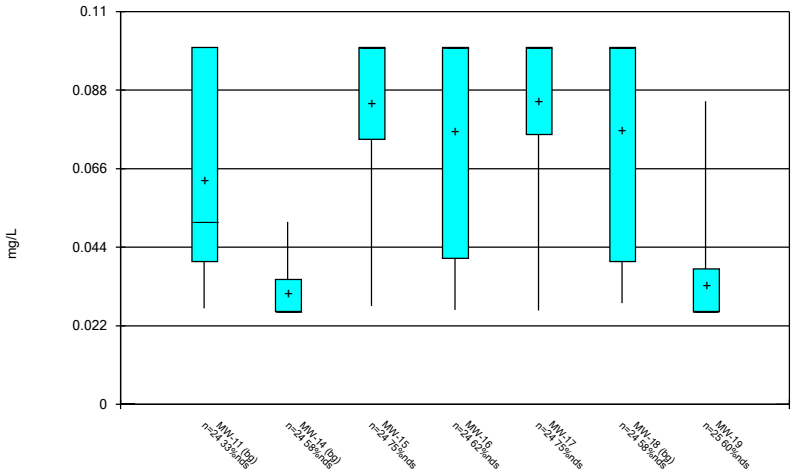


Constituent: Chloride Analysis Run 5/2/2025 3:54 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

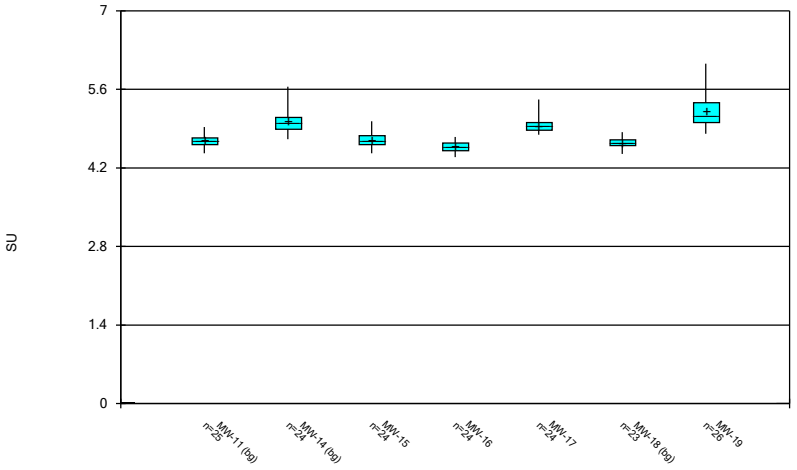
Box & Whiskers Plot



Constituent: Fluoride Analysis Run 5/2/2025 3:54 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Box & Whiskers Plot

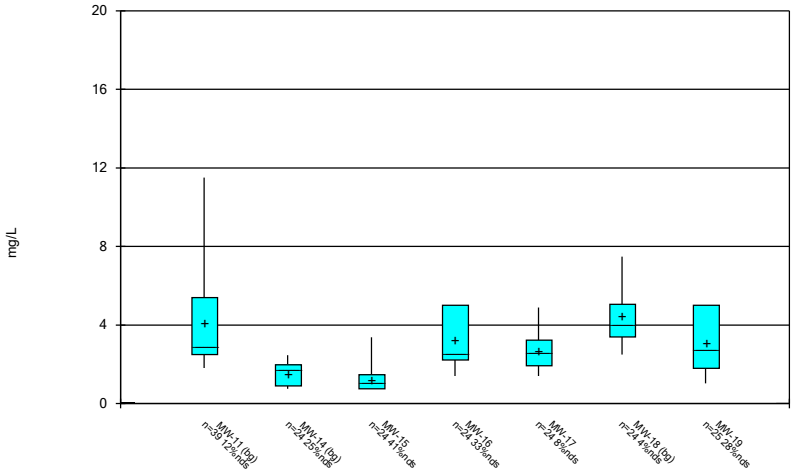


Constituent: pH Analysis Run 5/2/2025 3:54 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot

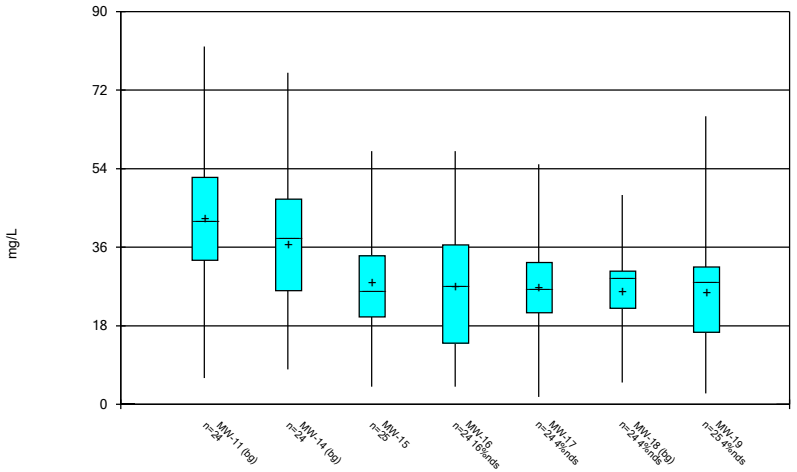


Constituent: Sulfate Analysis Run 5/2/2025 3:54 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/2/2025 3:54 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Outlier Summary

Outlier Summary

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 5/2/2025, 3:55 PM

	MW-19 Calcium (mg/L)
4/20/2023	15.4 (o)

Prediction Limits - Intrawell

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 5/2/2025, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	**MW-11**	**2.14**	**n/a**	**3/18/2025**	**2.87**	**Yes**	**21**	**4.762**	**None**	**x^4**	**0.00188**	**Param Intra 1 of 2**

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 5/2/2025, 4:08 PM

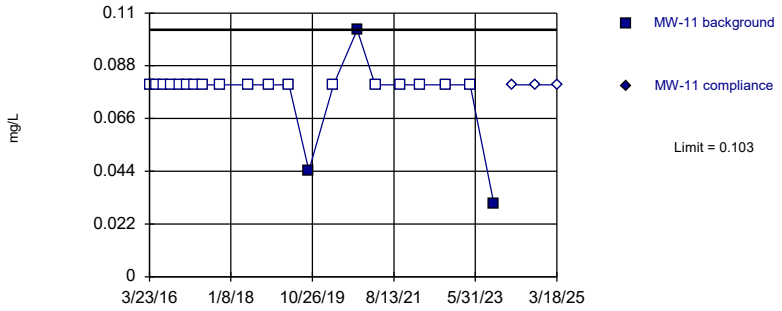
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-11	0.103	n/a	3/18/2025	0.08ND	No	21	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-14	0.08	n/a	3/17/2025	0.08ND	No	21	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-15	0.08	n/a	3/17/2025	0.08ND	No	21	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-18	0.0927	n/a	3/17/2025	0.0334J	No	21	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-19	0.08	n/a	3/18/2025	0.08ND	No	22	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Calcium (mg/L)	**MW-11**	**2.14**	**n/a**	**3/18/2025**	**2.87**	**Yes**	**21**	**4.762**	**None**	**x^4**	**0.00188**	**Param Intra 1 of 2**
Calcium (mg/L)	MW-14	5.45	n/a	3/17/2025	2.94	No	21	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-15	1.592	n/a	3/17/2025	1.12	No	21	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-16	1.249	n/a	3/17/2025	0.879	No	22	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-17	1.253	n/a	3/17/2025	1.06	No	21	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-18	0.9961	n/a	3/17/2025	0.727	No	21	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-19	5.84	n/a	3/18/2025	4.74	No	21	0	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-11	15.86	n/a	3/18/2025	13.7	No	36	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-14	12.24	n/a	3/17/2025	11.6	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-15	10.16	n/a	3/17/2025	8.17	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-16	11.41	n/a	3/17/2025	6.28	No	23	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-17	8.088	n/a	3/17/2025	6.04	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-18	11.41	n/a	3/17/2025	6.48	No	21	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-19	6.91	n/a	3/18/2025	5.19	No	22	4.545	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-11	0.1	n/a	3/18/2025	0.0469J	No	21	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-14	0.0511	n/a	3/17/2025	0.0418J	No	21	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-15	0.1	n/a	3/17/2025	0.1ND	No	21	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-16	0.1	n/a	3/17/2025	0.1ND	No	21	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-17	0.1	n/a	3/17/2025	0.1ND	No	21	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-18	0.1	n/a	3/17/2025	0.0897J	No	21	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-19	0.0849	n/a	3/18/2025	0.0349J	No	22	68.18	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
pH (SU)	MW-11	4.897	4.494	3/18/2025	4.63	No	22	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-14	5.464	4.648	3/17/2025	4.71	No	21	0	None	x^(1/3)	0.0009398	Param Intra 1 of 2
pH (SU)	MW-15	4.981	4.434	3/17/2025	4.58	No	21	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-16	4.781	4.402	3/17/2025	4.51	No	21	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-17	5.42	4.79	3/17/2025	4.79	No	21	0	n/a	n/a	0.007998	NP Intra (normality) 1 of 2
pH (SU)	MW-18	4.83	4.47	3/17/2025	4.53	No	20	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-19	6.06	4.81	3/18/2025	5.38	No	23	0	n/a	n/a	0.006831	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-11	11.5	n/a	3/18/2025	2.34	No	36	13.89	n/a	n/a	0.001429	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-14	2.435	n/a	3/17/2025	1.05	No	21	28.57	Kaplan-Meier	x^2	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-15	3.38	n/a	3/17/2025	1.35	No	21	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-16	5	n/a	3/17/2025	2.44	No	21	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-17	3.848	n/a	3/17/2025	3.82	No	21	9.524	None	No	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-18	7.288	n/a	3/17/2025	4.28	No	21	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-19	5	n/a	3/18/2025	2.37	No	22	31.82	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-11	76.45	n/a	3/18/2025	17	No	21	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-14	67.05	n/a	3/17/2025	13	No	21	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-15	55.48	n/a	3/17/2025	12	No	22	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-16	58.33	n/a	3/17/2025	5ND	No	21	14.29	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-17	48.32	n/a	3/17/2025	19	No	21	4.762	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-18	44.58	n/a	3/17/2025	5ND	No	21	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-19	52.09	n/a	3/18/2025	12	No	22	4.545	None	No	0.00188	Param Intra 1 of 2

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

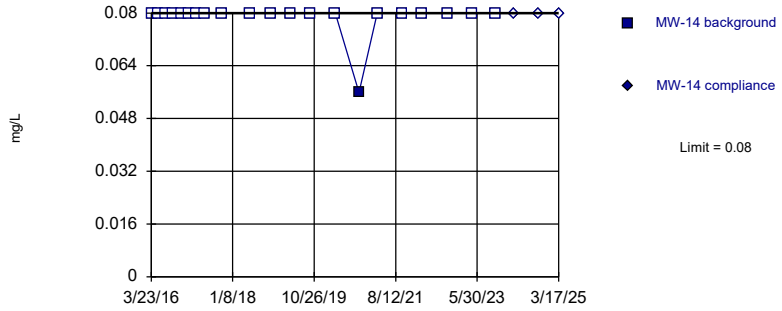
Constituent: Boron Analysis Run 5/2/2025 4:05 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

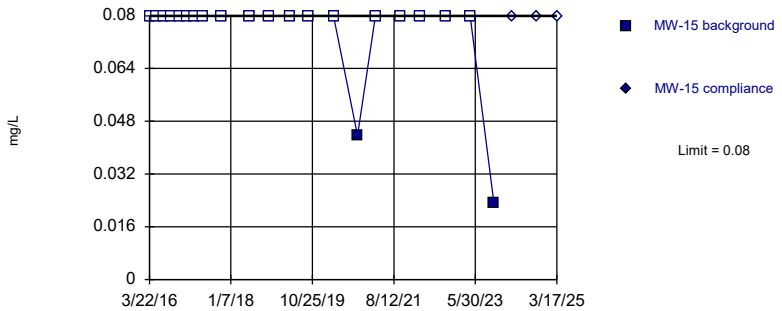
Constituent: Boron Analysis Run 5/2/2025 4:05 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

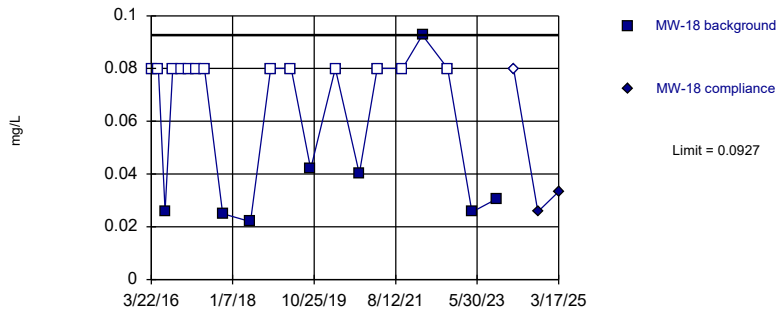
Constituent: Boron Analysis Run 5/2/2025 4:05 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

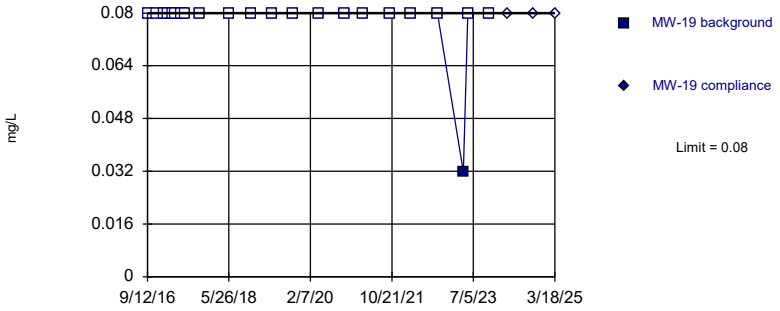
Constituent: Boron Analysis Run 5/2/2025 4:05 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

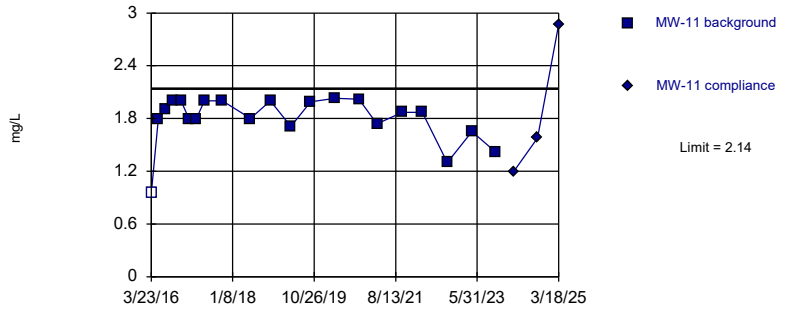
Constituent: Boron Analysis Run 5/2/2025 4:05 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=11.51, Std. Dev.=4.784, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

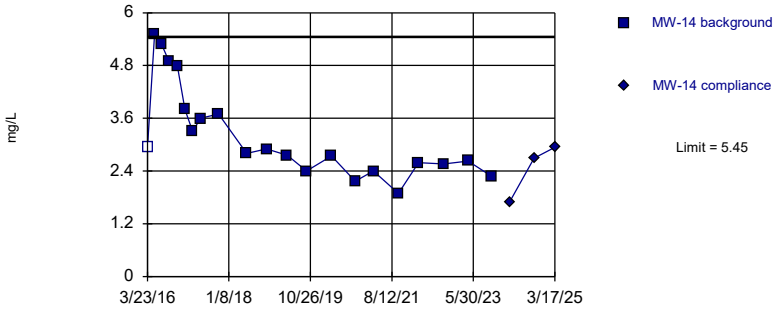
Constituent: Calcium Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.778, Std. Dev.=0.2818, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

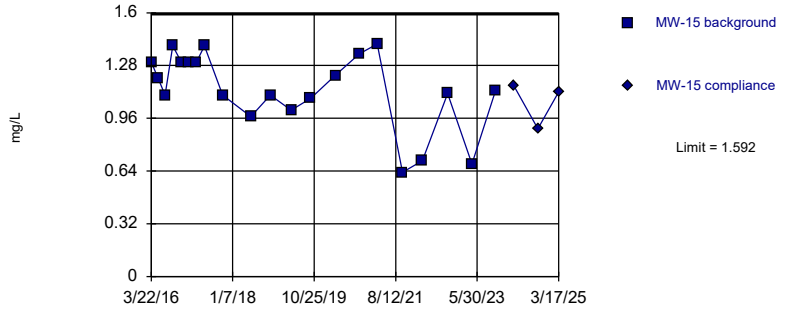
Constituent: Calcium Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



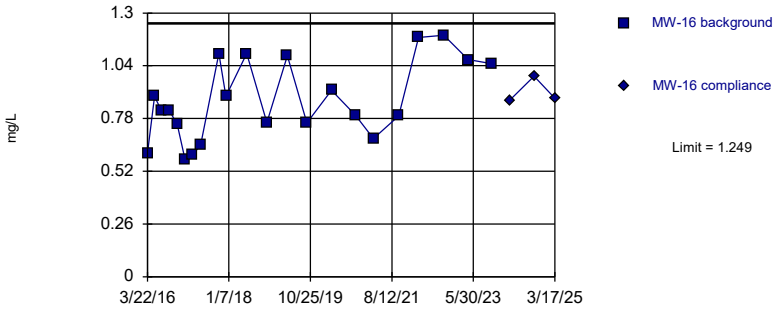
Background Data Summary: Mean=1.133, Std. Dev.=0.2321, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Calcium Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.8682, Std. Dev.=0.1942, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9341, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Calcium Analysis Run 5/2/2025 4:06 PM View: Intrawell

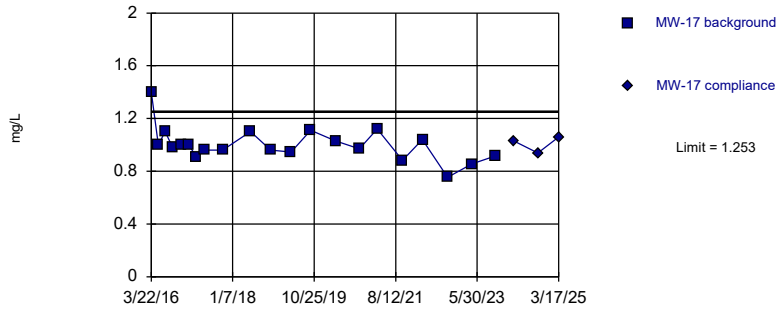
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.9997, Std. Dev.=0.1281, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8942, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Calcium Analysis Run 5/2/2025 4:06 PM View: Intrawell

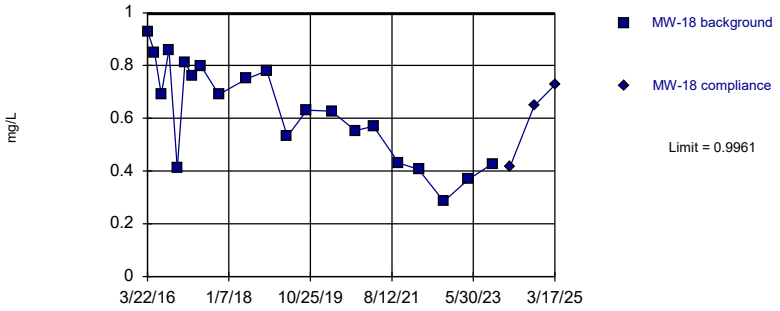
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6266, Std. Dev.=0.1871, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9556, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Calcium Analysis Run 5/2/2025 4:06 PM View: Intrawell

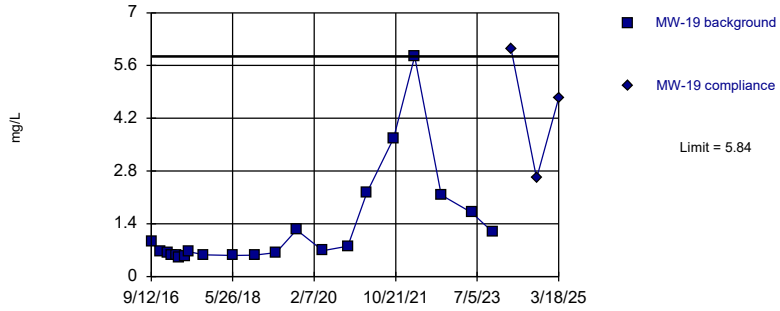
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

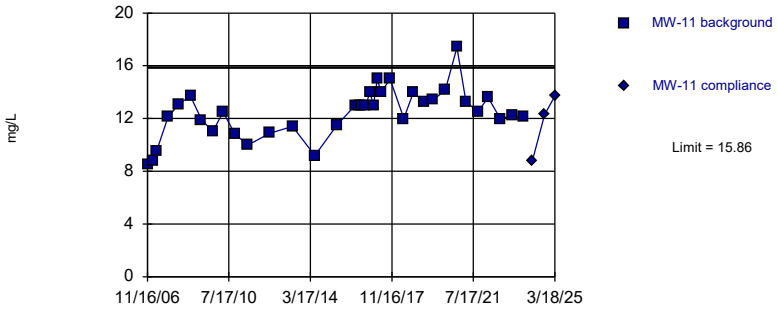
Constituent: Calcium Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=12.44, Std. Dev.=1.847, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9673, critical = 0.912. Kappa = 1.852 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Chloride Analysis Run 5/2/2025 4:06 PM View: Intrawell

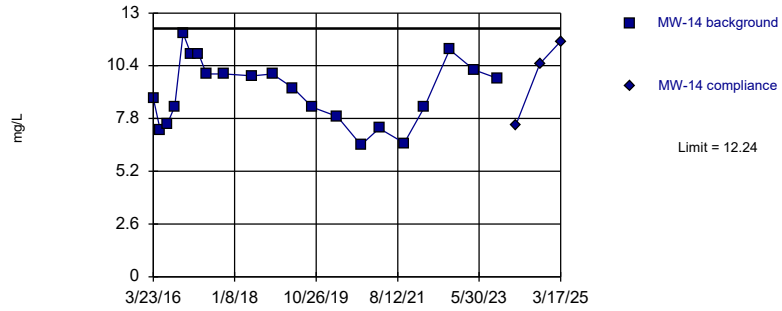
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=9.109, Std. Dev.=1.586, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Chloride Analysis Run 5/2/2025 4:06 PM View: Intrawell

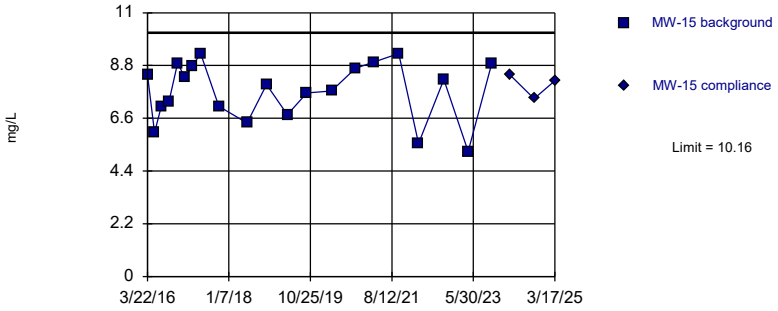
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.741, Std. Dev.=1.227, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Chloride Analysis Run 5/2/2025 4:06 PM View: Intrawell

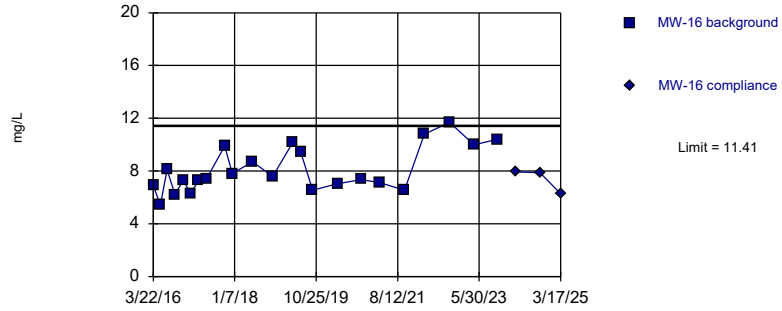
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.088, Std. Dev.=1.705, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.881. Kappa = 1.95 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

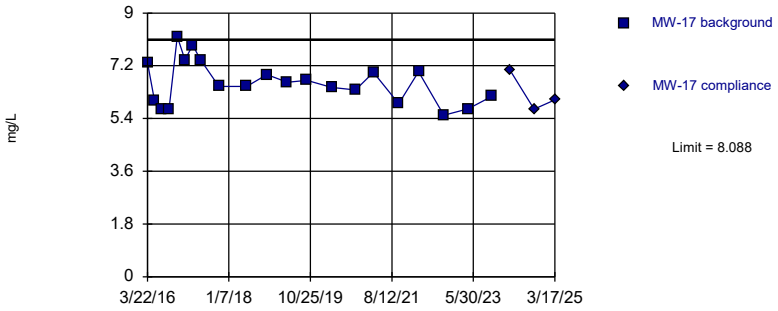
Constituent: Chloride Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.617, Std. Dev.=0.745, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9636, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Chloride Analysis Run 5/2/2025 4:06 PM View: Intrawell

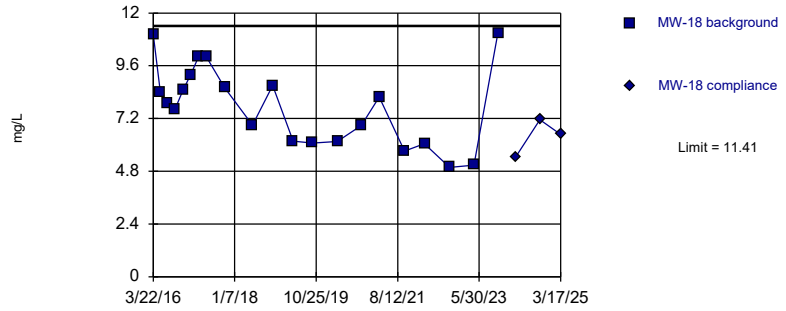
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.771, Std. Dev.=1.844, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Chloride Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

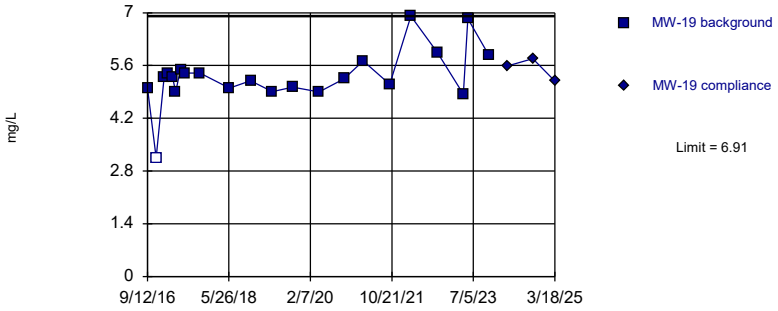
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 4.545% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Chloride Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

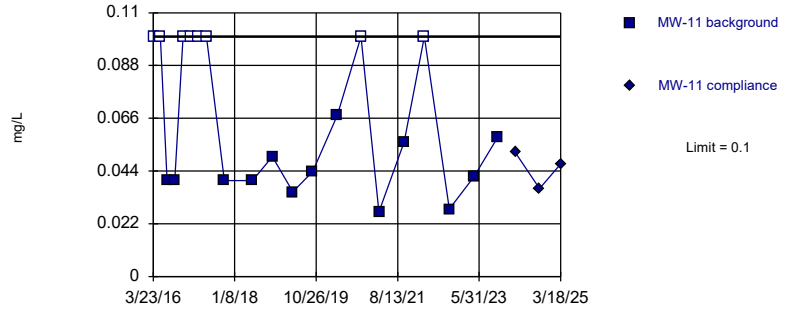
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Fluoride Analysis Run 5/2/2025 4:06 PM View: Intrawell

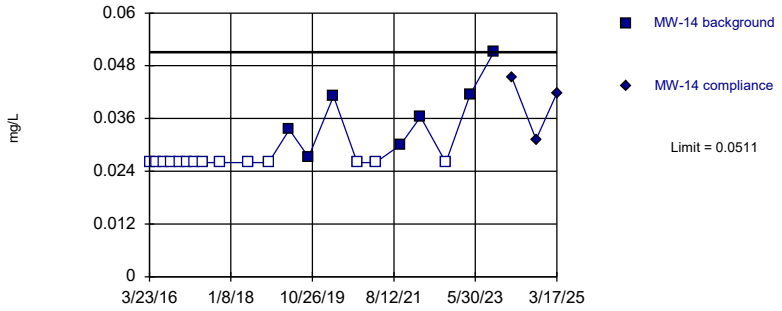
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Fluoride Analysis Run 5/2/2025 4:06 PM View: Intrawell

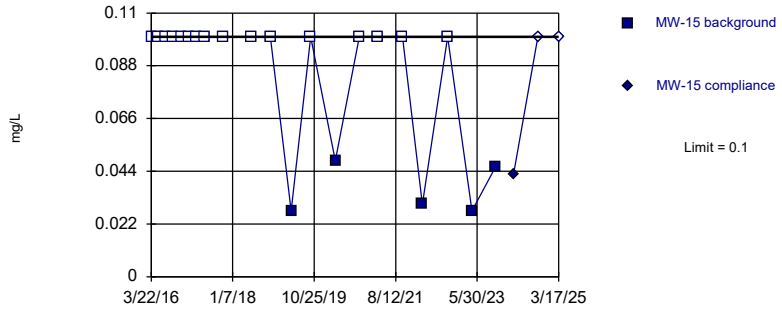
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Fluoride Analysis Run 5/2/2025 4:06 PM View: Intrawell

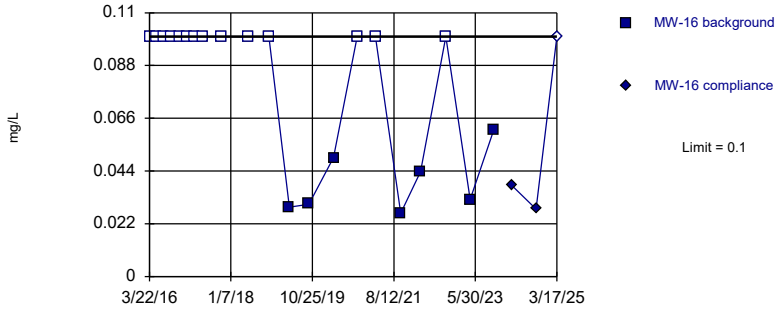
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Fluoride Analysis Run 5/2/2025 4:06 PM View: Intrawell

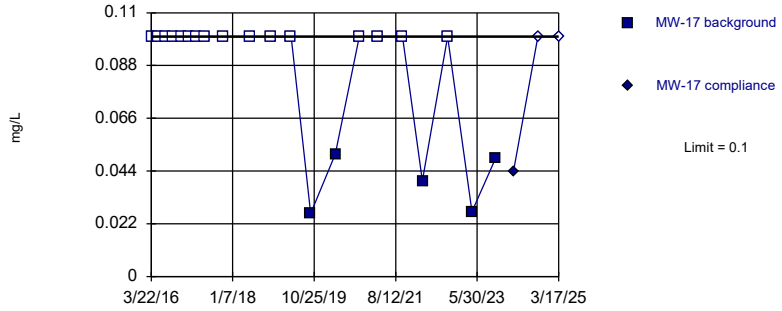
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Fluoride Analysis Run 5/2/2025 4:06 PM View: Intrawell

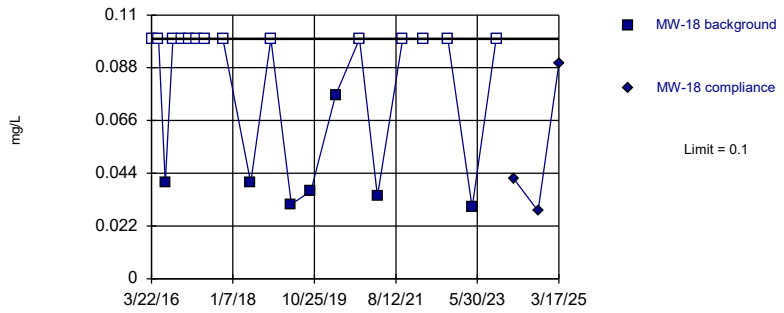
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

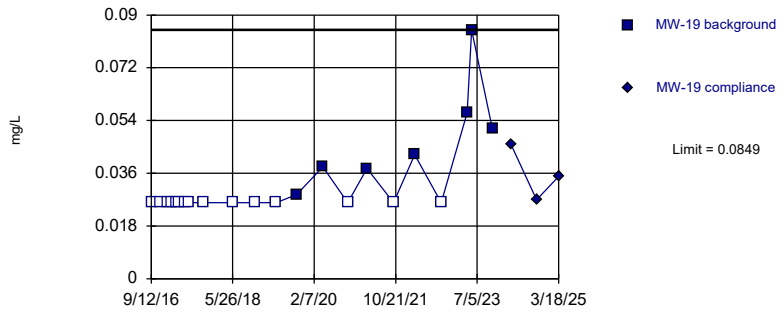
Constituent: Fluoride Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

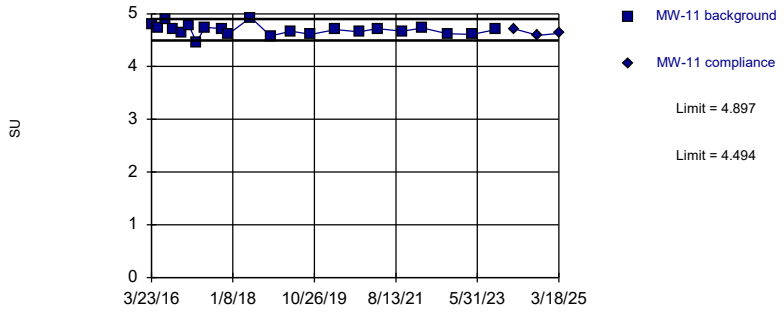
Constituent: Fluoride Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.696, Std. Dev.=0.1027, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

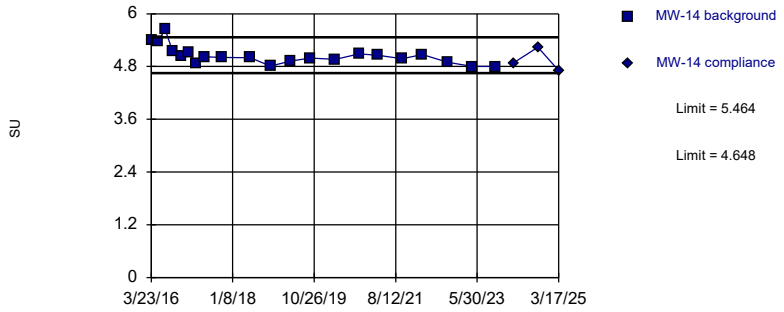
Constituent: pH Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



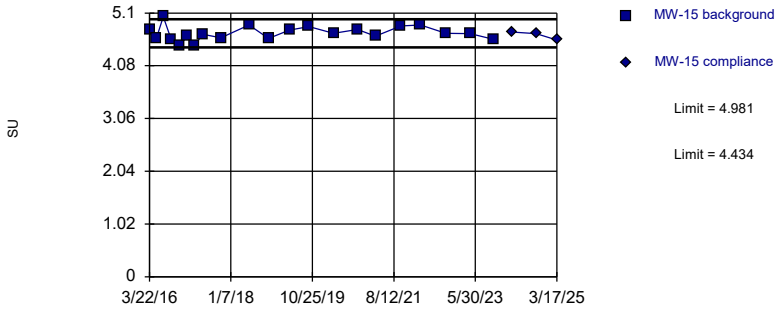
Background Data Summary (based on cube root transformation): Mean=1.715, Std. Dev.=0.0234, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8736, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.708, Std. Dev.=0.1383, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 5/2/2025 4:06 PM View: Intrawell

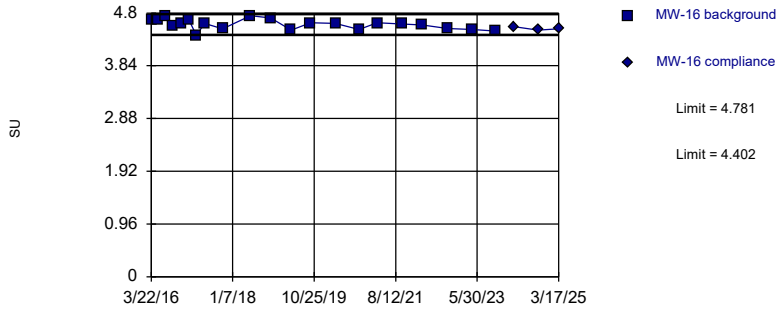
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.591, Std. Dev.=0.09588, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9705, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 5/2/2025 4:06 PM View: Intrawell

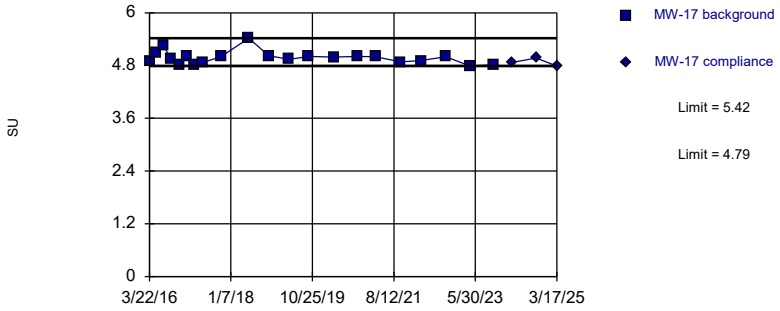
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 21 background values. Well-constituent pair annual alpha = 0.01596. Individual comparison alpha = 0.007998 (1 of 2).

Constituent: pH Analysis Run 5/2/2025 4:06 PM View: Intrawell

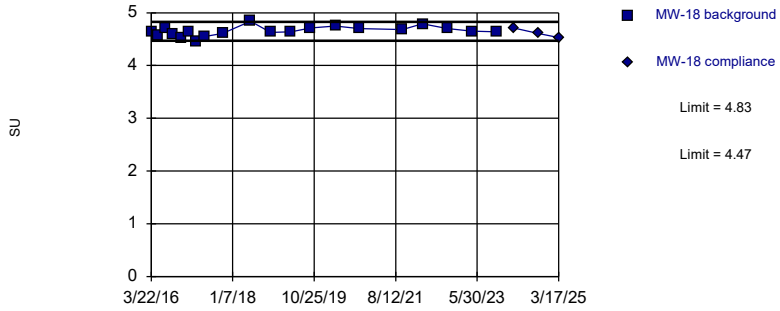
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.65, Std. Dev.=0.09032, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9817, critical = 0.868. Kappa = 1.988 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 5/2/2025 4:06 PM View: Intrawell

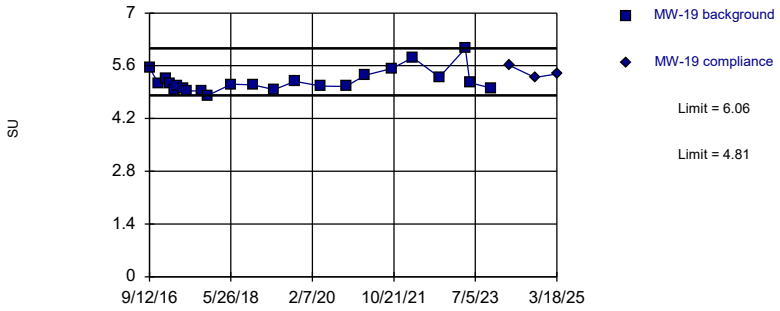
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 23 background values. Well-constituent pair annual alpha = 0.01364. Individual comparison alpha = 0.006831 (1 of 2).

Constituent: pH Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

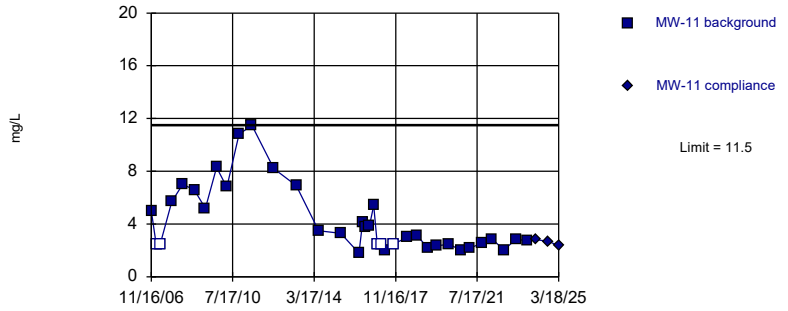
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. 13.89% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Sulfate Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

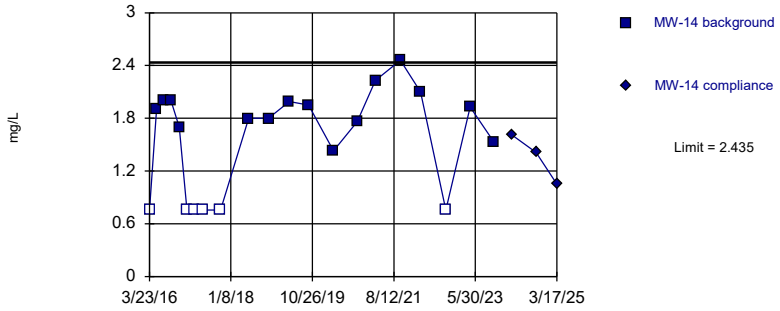
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=2.621, Std. Dev.=1.674, n=21, 28.57% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8992, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Sulfate Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

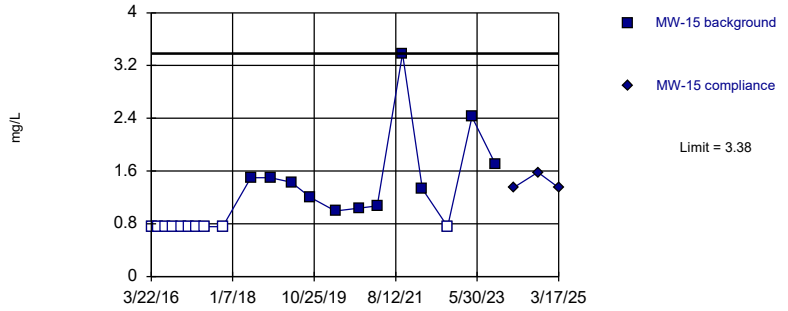
Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Sulfate Analysis Run 5/2/2025 4:06 PM View: Intrawell

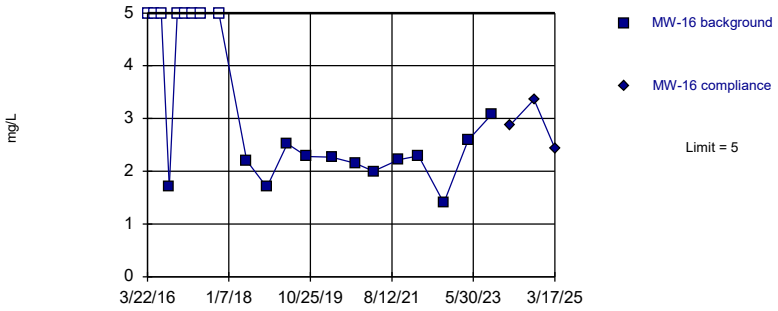
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

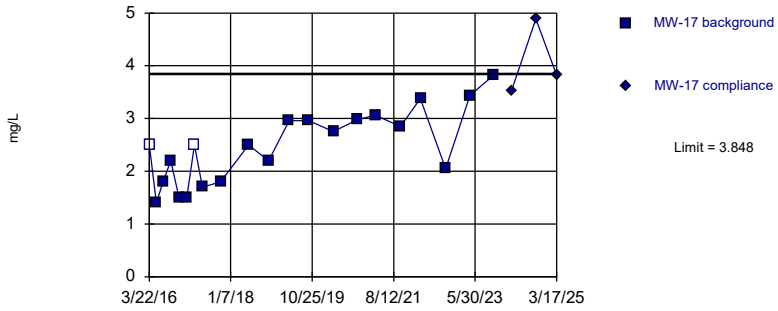
Constituent: Sulfate Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.469, Std. Dev.=0.698, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9623, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

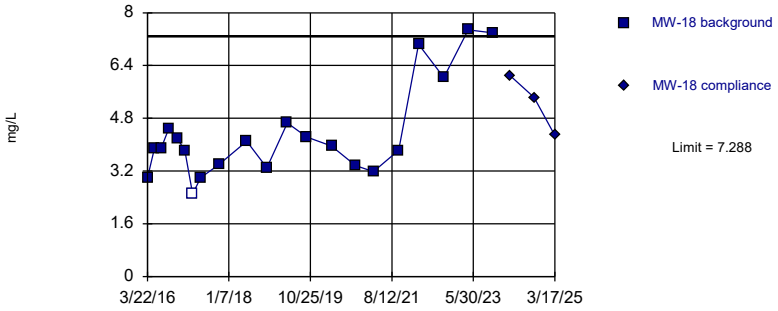
Constituent: Sulfate Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=2.055, Std. Dev.=0.3266, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8734, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

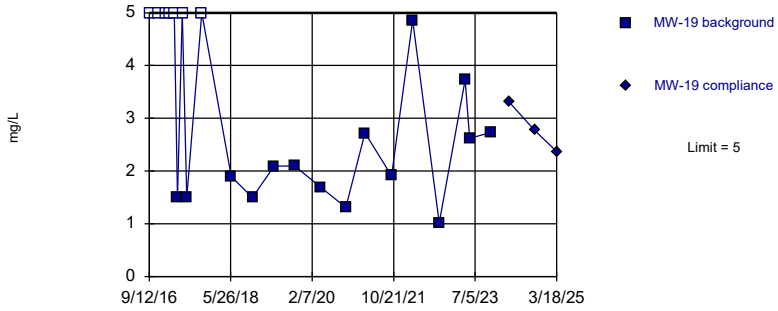
Constituent: Sulfate Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



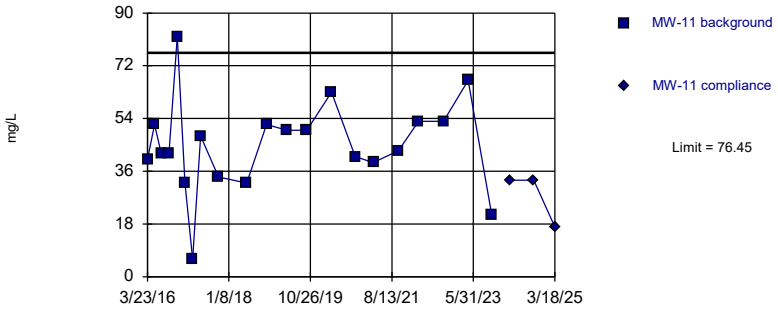
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 31.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Sulfate Analysis Run 5/2/2025 4:06 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=44.86, Std. Dev.=15.99, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

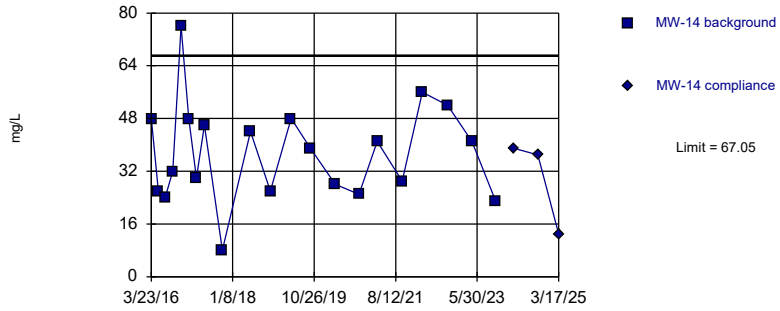
Constituent: Total Dissolved Solids Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=37.62, Std. Dev.=14.9, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9537, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

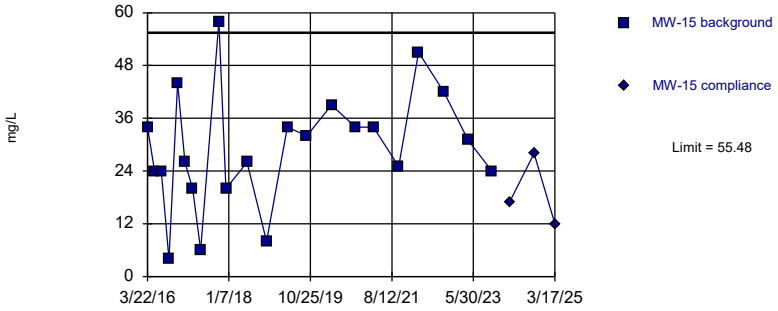
Constituent: Total Dissolved Solids Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=29.09, Std. Dev.=13.45, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9667, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 5/2/2025 4:06 PM View: Intrawell

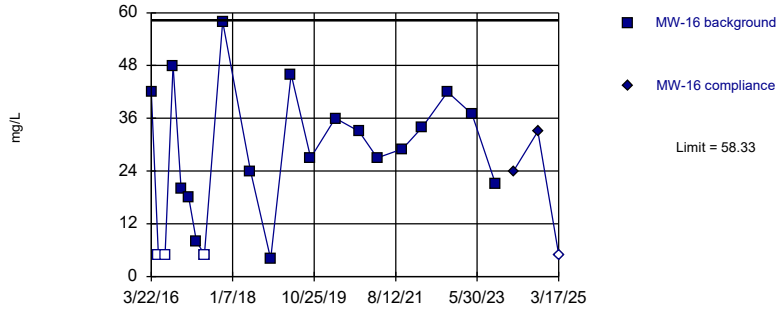
Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=27.1, Std. Dev.=15.81, n=21, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9539, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 5/2/2025 4:06 PM View: Intrawell

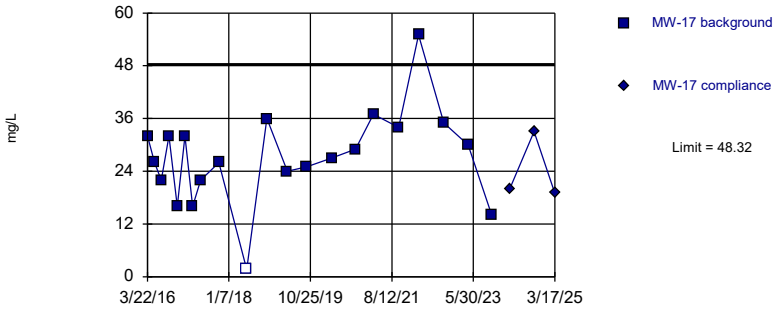
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=27.22, Std. Dev.=10.68, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9465, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 5/2/2025 4:06 PM View: Intrawell

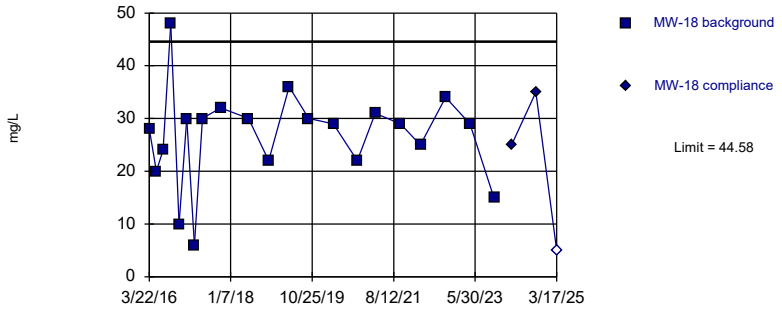
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=26.67, Std. Dev.=9.068, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.928, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 5/2/2025 4:06 PM View: Intrawell

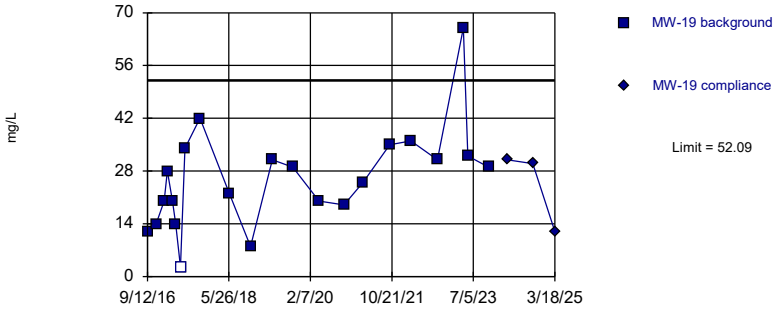
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.0.24 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=25.89, Std. Dev.=13.35, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9302, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 5/2/2025 4:06 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	<0.08 (B1)	
5/18/2016	<0.08	
7/12/2016	<0.08	
9/12/2016	<0.08	
11/18/2016	<0.08	
1/19/2017	<0.08	
3/22/2017	<0.08	
5/24/2017	<0.08	
10/17/2017	<0.08	
5/31/2018	<0.08	
11/7/2018	<0.08	
4/22/2019	<0.08	
9/27/2019	0.0443 (J)	
4/13/2020	<0.08	
10/22/2020	0.103	
3/16/2021	<0.08	
10/5/2021	<0.08	
3/15/2022	<0.08	
10/4/2022	<0.08	
4/19/2023	<0.08	
10/27/2023	0.0305 (J)	
3/18/2024		<0.08
9/30/2024		<0.08
3/18/2025		<0.08

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<0.08 (B1)	
5/18/2016	<0.08	
7/12/2016	<0.08	
9/12/2016	<0.08	
11/19/2016	<0.08	
1/18/2017	<0.08	
3/22/2017	<0.08	
5/24/2017	<0.08	
10/17/2017	<0.08	
6/1/2018	<0.08	
11/7/2018	<0.08	
4/23/2019	<0.08	
9/26/2019	<0.08	
4/13/2020	<0.08	
10/22/2020	0.0559 (J)	
3/16/2021	<0.08	
10/5/2021	<0.08	
3/15/2022	<0.08	
10/4/2022	<0.08	
4/19/2023	<0.08	
10/27/2023	<0.08	
3/20/2024		<0.08
9/30/2024		<0.08
3/17/2025		<0.08

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	<0.08 (B1)	
5/18/2016	<0.08	
7/12/2016	<0.08	
9/12/2016	<0.08	
11/19/2016	<0.08	
1/19/2017	<0.08	
3/21/2017	<0.08	
5/23/2017	<0.08	
10/17/2017	<0.08	
6/1/2018	<0.08	
11/7/2018	<0.08	
4/23/2019	<0.08	
9/26/2019	<0.08	
4/13/2020	<0.08	
10/22/2020	0.0437 (J)	
3/16/2021	<0.08	
10/5/2021	<0.08	
3/15/2022	<0.08	
10/4/2022	<0.08	
4/19/2023	<0.08	
10/27/2023	0.0234 (J)	
3/19/2024		<0.08
9/30/2024		<0.08
3/17/2025		<0.08

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	<0.08 (B1)	
5/18/2016	<0.08	
7/12/2016	0.026 (J)	
9/12/2016	<0.08	
11/18/2016	<0.08	
1/18/2017	<0.08	
3/21/2017	<0.08	
5/24/2017	<0.08	
10/17/2017	0.025 (J)	
5/31/2018	0.022 (J)	
11/8/2018	<0.08	
4/22/2019	<0.08	
9/26/2019	0.042 (J)	
4/14/2020	<0.08	
10/22/2020	0.0401 (J)	
3/16/2021	<0.08	
10/5/2021	<0.08	
3/16/2022	0.0927	
10/5/2022	<0.08	
4/19/2023	0.0256 (J)	
10/30/2023	0.0304 (J)	
3/20/2024		<0.08
10/1/2024		0.0257 (J)
3/17/2025		0.0334 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	<0.08	
11/18/2016	<0.08	
1/18/2017	<0.08	
2/10/2017	<0.08	
3/21/2017	<0.08	
4/14/2017	<0.08	
5/23/2017	<0.08	
6/26/2017	<0.08	
10/17/2017	<0.08	
5/31/2018	<0.08	
11/8/2018	<0.08	
4/22/2019	<0.08	
9/26/2019	<0.08	
4/13/2020	<0.08	
10/21/2020	<0.08	
3/16/2021	<0.08	
10/5/2021	<0.08	
3/15/2022	<0.08	
10/5/2022	<0.08	
4/20/2023	0.0318 (J)	
5/24/2023	<0.08	
10/30/2023	<0.08	
3/19/2024		<0.08
10/1/2024		<0.08
3/18/2025		<0.08

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	<1.9 (*)	
5/18/2016	1.8	
7/12/2016	1.9	
9/12/2016	2	
11/18/2016	2	
1/19/2017	1.8	
3/22/2017	1.8	
5/24/2017	2	
10/17/2017	2	
5/31/2018	1.8	
11/7/2018	2	
4/22/2019	1.71	
9/27/2019	1.99	
4/13/2020	2.03	
10/22/2020	2.02	
3/16/2021	1.74	
10/5/2021	1.87	
3/15/2022	1.87	
10/4/2022	1.3	
4/19/2023	1.65	
10/27/2023	1.42	
3/18/2024		1.19
9/30/2024		1.58
3/18/2025		2.87

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<5.9 (*)	
5/18/2016	5.5	
7/12/2016	5.3	
9/12/2016	4.9	
11/19/2016	4.8	
1/18/2017	3.8	
3/22/2017	3.3	
5/24/2017	3.6	
10/17/2017	3.7	
6/1/2018	2.8	
11/7/2018	2.9	
4/23/2019	2.76	
9/26/2019	2.4	
4/13/2020	2.74	
10/22/2020	2.17	
3/16/2021	2.4	
10/5/2021	1.89	
3/15/2022	2.59	
10/4/2022	2.56	
4/19/2023	2.63	
10/27/2023	2.28	
3/20/2024		1.7
9/30/2024		2.69
3/17/2025		2.94

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	1.3 (B1)	
5/18/2016	1.2	
7/12/2016	1.1	
9/12/2016	1.4	
11/19/2016	1.3	
1/19/2017	1.3	
3/21/2017	1.3	
5/23/2017	1.4	
10/17/2017	1.1	
6/1/2018	0.97	
11/7/2018	1.1	
4/23/2019	1.01	
9/26/2019	1.08	
4/13/2020	1.22	
10/22/2020	1.35	
3/16/2021	1.41	
10/5/2021	0.632	
3/15/2022	0.703	
10/4/2022	1.11	
4/19/2023	0.682	
10/27/2023	1.13	
3/19/2024		1.16
9/30/2024		0.896
3/17/2025		1.12

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	0.61 (B1)	
5/18/2016	0.89	
7/11/2016	0.82	
9/13/2016	0.82	
11/17/2016	0.75	
1/18/2017	0.58	
3/21/2017	0.6	
5/23/2017	0.65	
10/17/2017	1.1	
12/15/2017	0.89 (RS)	
5/31/2018	1.1	
11/8/2018	0.76	
4/22/2019	1.09	
9/26/2019	0.758	
4/14/2020	0.92	
10/21/2020	0.798	
3/16/2021	0.681	
10/5/2021	0.793	
3/15/2022	1.18	
10/5/2022	1.19	
4/20/2023	1.07	
10/27/2023	1.05	
3/19/2024		0.87
10/1/2024		0.988
3/17/2025		0.879

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	1.4 (B1)	
5/18/2016	1	
7/12/2016	1.1	
9/12/2016	0.98	
11/18/2016	1	
1/18/2017	1	
3/21/2017	0.91	
5/24/2017	0.96	
10/17/2017	0.96	
5/31/2018	1.1	
11/8/2018	0.96	
4/22/2019	0.946	
9/26/2019	1.11	
4/13/2020	1.03	
10/22/2020	0.969	
3/16/2021	1.12	
10/5/2021	0.883	
3/16/2022	1.04	
10/5/2022	0.755	
4/20/2023	0.855	
10/27/2023	0.916	
3/19/2024		1.03
10/1/2024		0.939
3/17/2025		1.06

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	0.93 (B1)	
5/18/2016	0.85	
7/12/2016	0.69	
9/12/2016	0.86	
11/18/2016	0.41	
1/18/2017	0.81	
3/21/2017	0.76	
5/24/2017	0.8	
10/17/2017	0.69	
5/31/2018	0.75	
11/8/2018	0.78	
4/22/2019	0.531	
9/26/2019	0.631	
4/14/2020	0.627	
10/22/2020	0.553	
3/16/2021	0.57	
10/5/2021	0.43 (J)	
3/16/2022	0.406 (J)	
10/5/2022	0.285 (J)	
4/19/2023	0.368 (J)	
10/30/2023	0.427 (J)	
3/20/2024		0.414 (J)
10/1/2024		0.647
3/17/2025		0.727

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	0.92	
11/18/2016	0.68	
1/18/2017	0.64	
2/10/2017	0.58	
3/21/2017	0.56	
4/14/2017	0.51	
5/23/2017	0.54	
6/26/2017	0.66	
10/17/2017	0.58	
5/31/2018	0.56	
11/8/2018	0.57	
4/22/2019	0.634	
9/26/2019	1.24	
4/13/2020	0.687	
10/21/2020	0.806	
3/16/2021	2.23	
10/5/2021	3.67	
3/15/2022	5.84	
10/5/2022	2.16	
4/20/2023	15.4 (o)	
5/24/2023	1.7	
10/30/2023	1.19	
3/19/2024		6.05
10/1/2024		2.61
3/18/2025		4.74

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
11/16/2006	8.5	
2/5/2007	8.8	
4/12/2007	9.5	
10/17/2007	12.1	
4/17/2008	13.1	
10/24/2008	13.7	
4/21/2009	11.9	
10/26/2009	11	
4/12/2010	12.5	
10/30/2010	10.8	
5/25/2011	10	
5/25/2012	10.9	
5/28/2013	11.4	
5/31/2014	9.2	
5/29/2015	11.5	
3/23/2016	13	
5/18/2016	13	
7/12/2016	13	
9/12/2016	13	
11/18/2016	14	
1/19/2017	13	
3/22/2017	15	
5/24/2017	14	
10/17/2017	15	
5/31/2018	12	
11/7/2018	14	
4/22/2019	13.3	
9/27/2019	13.4	
4/13/2020	14.2	
10/22/2020	17.4	
3/16/2021	13.3	
10/5/2021	12.5	
3/15/2022	13.6	
10/4/2022	12	
4/19/2023	12.2	
10/27/2023	12.1	
3/18/2024		8.82
9/30/2024		12.3
3/18/2025		13.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	8.8 (B1)	
5/18/2016	7.2	
7/12/2016	7.5	
9/12/2016	8.4	
11/19/2016	12	
1/18/2017	11	
3/22/2017	11	
5/24/2017	10	
10/17/2017	10	
6/1/2018	9.9	
11/7/2018	10	
4/23/2019	9.3	
9/26/2019	8.35	
4/13/2020	7.9	
10/22/2020	6.5	
3/16/2021	7.32	
10/5/2021	6.59	
3/15/2022	8.36	
10/4/2022	11.2	
4/19/2023	10.2	
10/27/2023	9.77	
3/20/2024		7.44
9/30/2024		10.5
3/17/2025		11.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	8.4 (B1)	
5/18/2016	6	
7/12/2016	7.1	
9/12/2016	7.3	
11/19/2016	8.9	
1/19/2017	8.3	
3/21/2017	8.8	
5/23/2017	9.3	
10/17/2017	7.1	
6/1/2018	6.4	
11/7/2018	8	
4/23/2019	6.75	
9/26/2019	7.66	
4/13/2020	7.74	
10/22/2020	8.69	
3/16/2021	8.94	
10/5/2021	9.3	
3/15/2022	5.55	
10/4/2022	8.22	
4/19/2023	5.21	
10/27/2023	8.9	
3/19/2024		8.42
9/30/2024		7.42
3/17/2025		8.17

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	6.9 (B1)	
5/18/2016	5.4	
7/11/2016	8.1	
9/13/2016	6.2	
11/17/2016	7.3	
1/18/2017	6.3	
3/21/2017	7.3	
5/23/2017	7.4	
10/17/2017	9.9	
12/19/2017	7.8 (RS)	
5/31/2018	8.7	
11/8/2018	7.6	
4/22/2019	10.2	
6/25/2019	9.4	
9/26/2019	6.54	
4/14/2020	7.03	
10/21/2020	7.36	
3/16/2021	7.14	
10/5/2021	6.55	
3/15/2022	10.8	
10/5/2022	11.7	
4/20/2023	10	
10/27/2023	10.4	
3/19/2024		7.92
10/1/2024		7.89
3/17/2025		6.28

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	7.3 (B1)	
5/18/2016	6	
7/12/2016	5.7	
9/12/2016	5.7	
11/18/2016	8.2	
1/18/2017	7.4	
3/21/2017	7.9	
5/24/2017	7.4	
10/17/2017	6.5	
5/31/2018	6.5	
11/8/2018	6.9	
4/22/2019	6.64	
9/26/2019	6.7	
4/13/2020	6.46	
10/22/2020	6.37	
3/16/2021	6.97	
10/5/2021	5.91	
3/16/2022	7	
10/5/2022	5.51	
4/20/2023	5.73	
10/27/2023	6.16	
3/19/2024		7.06
10/1/2024		5.72
3/17/2025		6.04

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	11 (B1)	
5/18/2016	8.4	
7/12/2016	7.9	
9/12/2016	7.6	
11/18/2016	8.5	
1/18/2017	9.2	
3/21/2017	10	
5/24/2017	10	
10/17/2017	8.6	
5/31/2018	6.9	
11/8/2018	8.7	
4/22/2019	6.17	
9/26/2019	6.09	
4/14/2020	6.15	
10/22/2020	6.89	
3/16/2021	8.18	
10/5/2021	5.72	
3/16/2022	6.05	
10/5/2022	4.97	
4/19/2023	5.08	
10/30/2023	11.1	
3/20/2024		5.44
10/1/2024		7.15
3/17/2025		6.48

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	5	
11/18/2016	<6.3 (*)	
1/18/2017	5.3	
2/10/2017	5.4	
3/21/2017	5.3	
4/14/2017	4.9 (B)	
5/23/2017	5.5	
6/26/2017	5.4	
10/17/2017	5.4	
5/31/2018	5	
11/8/2018	5.2	
4/22/2019	4.91	
9/26/2019	5.03	
4/13/2020	4.9	
10/21/2020	5.25	
3/16/2021	5.72	
10/5/2021	5.1	
3/15/2022	6.91	
10/5/2022	5.94	
4/20/2023	4.84	
5/24/2023	6.84	
10/30/2023	5.88	
3/19/2024		5.59
10/1/2024		5.78
3/18/2025		5.19

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	<0.1	
5/18/2016	<0.1	
7/12/2016	0.04 (J)	
9/12/2016	0.04 (J)	
11/18/2016	<0.1	
1/19/2017	<0.1	
3/22/2017	<0.1	
5/24/2017	<0.1	
10/17/2017	0.04 (J)	
5/31/2018	0.04 (J)	
11/7/2018	0.05 (J)	
4/22/2019	0.0353 (J)	
9/27/2019	0.0438 (J)	
4/13/2020	0.0672 (J)	
10/22/2020	<0.1	
3/16/2021	0.0269 (J)	
10/5/2021	0.0561 (J)	
3/15/2022	<0.1	
10/4/2022	0.0281 (J)	
4/19/2023	0.0416 (J)	
10/27/2023	0.058 (J)	
3/18/2024		0.0518 (J)
9/30/2024		0.0367 (J)
3/18/2025		0.0469 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<0.026 (B1)	
5/18/2016	<0.026	
7/12/2016	<0.026	
9/12/2016	<0.026	
11/19/2016	<0.026	
1/18/2017	<0.026	
3/22/2017	<0.026	
5/24/2017	<0.026	
10/17/2017	<0.026	
6/1/2018	<0.026	
11/7/2018	<0.026	
4/23/2019	0.0335 (J)	
9/26/2019	0.0272 (J)	
4/13/2020	0.0411 (J)	
10/22/2020	<0.026	
3/16/2021	<0.026	
10/5/2021	0.03 (J)	
3/15/2022	0.0364 (J)	
10/4/2022	<0.026	
4/19/2023	0.0415 (J)	
10/27/2023	0.0511 (J)	
3/20/2024		0.0454 (J)
9/30/2024		0.0312 (J)
3/17/2025		0.0418 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/12/2016	<0.1	
9/12/2016	<0.1	
11/19/2016	<0.1	
1/19/2017	<0.1	
3/21/2017	<0.1	
5/23/2017	<0.1	
10/17/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/23/2019	0.0275 (J)	
9/26/2019	<0.1	
4/13/2020	0.0484 (J)	
10/22/2020	<0.1	
3/16/2021	<0.1	
10/5/2021	<0.1	
3/15/2022	0.0302 (J)	
10/4/2022	<0.1	
4/19/2023	0.0275 (J)	
10/27/2023	0.0459 (J)	
3/19/2024		0.0428 (J)
9/30/2024		<0.1
3/17/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/18/2017	<0.1	
3/21/2017	<0.1	
5/23/2017	<0.1	
10/17/2017	<0.1	
5/31/2018	<0.1	
11/8/2018	<0.1	
4/22/2019	0.029 (J)	
9/26/2019	0.0302 (J)	
4/14/2020	0.0496 (J)	
10/21/2020	<0.1	
3/16/2021	<0.1	
10/5/2021	0.0264 (J)	
3/15/2022	0.0438 (J)	
10/5/2022	<0.1	
4/20/2023	0.0322 (J)	
10/27/2023	0.0612 (J)	
3/19/2024		0.038 (J)
10/1/2024		0.0282 (J)
3/17/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/12/2016	<0.1	
9/12/2016	<0.1	
11/18/2016	<0.1	
1/18/2017	<0.1	
3/21/2017	<0.1	
5/24/2017	<0.1	
10/17/2017	<0.1	
5/31/2018	<0.1	
11/8/2018	<0.1	
4/22/2019	<0.1	
9/26/2019	0.0263 (J)	
4/13/2020	0.0511 (J)	
10/22/2020	<0.1	
3/16/2021	<0.1	
10/5/2021	<0.1	
3/16/2022	0.0399 (J)	
10/5/2022	<0.1	
4/20/2023	0.0271 (J)	
10/27/2023	0.0494 (J)	
3/19/2024		0.044 (J)
10/1/2024		<0.1
3/17/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/12/2016	0.04 (J)	
9/12/2016	<0.1	
11/18/2016	<0.1	
1/18/2017	<0.1	
3/21/2017	<0.1	
5/24/2017	<0.1	
10/17/2017	<0.1	
5/31/2018	0.04 (J)	
11/8/2018	<0.1	
4/22/2019	0.0311 (J)	
9/26/2019	0.0366 (J)	
4/14/2020	0.0764 (J)	
10/22/2020	<0.1	
3/16/2021	0.0344 (J)	
10/5/2021	<0.1	
3/16/2022	<0.1	
10/5/2022	<0.1	
4/19/2023	0.0297 (J)	
10/30/2023	<0.1	
3/20/2024		0.0417 (J)
10/1/2024		0.0283 (J)
3/17/2025		0.0897 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	<0.026	
11/18/2016	<0.026	
1/18/2017	<0.026	
2/10/2017	<0.026	
3/21/2017	<0.026	
4/14/2017	<0.026	
5/23/2017	<0.026	
6/26/2017	<0.026	
10/17/2017	<0.026	
5/31/2018	<0.026	
11/8/2018	<0.026	
4/22/2019	<0.026	
9/26/2019	0.0287 (J)	
4/13/2020	0.0382 (J)	
10/21/2020	<0.026	
3/16/2021	0.0376 (J)	
10/5/2021	<0.026	
3/15/2022	0.0423 (J)	
10/5/2022	<0.026	
4/20/2023	0.0566 (J)	
5/24/2023	0.0849 (J)	
10/30/2023	0.0511 (J)	
3/19/2024		0.0458 (J)
10/1/2024		0.027 (J)
3/18/2025		0.0349 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	4.8	
5/18/2016	4.74	
7/12/2016	4.9	
9/12/2016	4.72	
11/18/2016	4.65	
1/19/2017	4.77	
3/22/2017	4.46	
5/24/2017	4.74	
10/17/2017	4.72	
11/30/2017	4.61	
5/31/2018	4.93	
11/7/2018	4.58	
4/22/2019	4.67	
9/27/2019	4.61	
4/13/2020	4.7	
10/22/2020	4.66	
3/16/2021	4.72	
10/5/2021	4.67	
3/15/2022	4.73	
10/4/2022	4.62	
4/19/2023	4.61	
10/27/2023	4.7	
3/18/2024		4.72
9/30/2024		4.59
3/18/2025		4.63

Prediction Limit

Constituent: pH (SU) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	5.4	
5/18/2016	5.38	
7/12/2016	5.65	
9/12/2016	5.14	
11/19/2016	5.05	
1/18/2017	5.11	
3/22/2017	4.86	
5/24/2017	5.02	
10/17/2017	5.01	
6/1/2018	5	
11/7/2018	4.81	
4/23/2019	4.93	
9/26/2019	4.99	
4/13/2020	4.96	
10/22/2020	5.09	
3/16/2021	5.06	
10/5/2021	4.98	
3/15/2022	5.07	
10/4/2022	4.9	
4/19/2023	4.8	
10/27/2023	4.8	
3/20/2024		4.88
9/30/2024		5.24
3/17/2025		4.71

Prediction Limit

Constituent: pH (SU) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	4.77	
5/18/2016	4.62	
7/12/2016	5.03	
9/12/2016	4.6	
11/19/2016	4.46	
1/19/2017	4.65	
3/21/2017	4.47	
5/23/2017	4.69	
10/17/2017	4.62	
6/1/2018	4.87	
11/7/2018	4.61	
4/23/2019	4.77	
9/26/2019	4.84	
4/13/2020	4.71	
10/22/2020	4.78	
3/16/2021	4.65	
10/5/2021	4.85	
3/15/2022	4.87	
10/4/2022	4.71	
4/19/2023	4.7	
10/27/2023	4.59	
3/19/2024		4.73
9/30/2024		4.7
3/17/2025		4.58

Prediction Limit

Constituent: pH (SU) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	4.68	
5/18/2016	4.67	
7/11/2016	4.75	
9/13/2016	4.56	
11/17/2016	4.6	
1/18/2017	4.68	
3/21/2017	4.39	
5/23/2017	4.61	
10/17/2017	4.51	
5/31/2018	4.75	
11/8/2018	4.71	
4/22/2019	4.49	
9/26/2019	4.62	
4/14/2020	4.61	
10/21/2020	4.5	
3/16/2021	4.62	
10/5/2021	4.6	
3/15/2022	4.58	
10/5/2022	4.52	
4/20/2023	4.5	
10/27/2023	4.47	
3/19/2024		4.55
10/1/2024		4.49
3/17/2025		4.51

Prediction Limit

Constituent: pH (SU) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	4.89	
5/18/2016	5.09	
7/12/2016	5.27	
9/12/2016	4.94	
11/18/2016	4.82	
1/18/2017	5.02	
3/21/2017	4.82	
5/24/2017	4.87	
10/17/2017	5	
5/31/2018	5.42	
11/8/2018	5.02	
4/22/2019	4.94	
9/26/2019	5.01	
4/13/2020	4.99	
10/22/2020	5.01	
3/16/2021	5	
10/5/2021	4.88	
3/16/2022	4.91	
10/5/2022	5	
4/20/2023	4.79	
10/27/2023	4.82	
3/19/2024		4.87
10/1/2024		4.97
3/17/2025		4.79

Prediction Limit

Constituent: pH (SU) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	4.63	
5/18/2016	4.58	
7/12/2016	4.7	
9/12/2016	4.6	
11/18/2016	4.52	
1/18/2017	4.63	
3/21/2017	4.45	
5/24/2017	4.55	
10/17/2017	4.61	
5/31/2018	4.84	
11/8/2018	4.63	
4/22/2019	4.64	
9/26/2019	4.71	
4/14/2020	4.75	
10/22/2020	4.7	
10/5/2021	4.68	
3/16/2022	4.79	
10/5/2022	4.7	
4/19/2023	4.65	
10/30/2023	4.64	
3/20/2024		4.71
10/1/2024		4.61
3/17/2025		4.53

Prediction Limit

Constituent: pH (SU) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	5.55	
11/18/2016	5.14	
1/18/2017	5.27	
2/10/2017	5.14	
3/21/2017	4.96	
4/14/2017	5.07	
5/23/2017	5.01	
6/26/2017	4.93	
10/17/2017	4.93	
11/30/2017	4.81	
5/31/2018	5.11	
11/8/2018	5.09	
4/22/2019	4.97	
9/26/2019	5.19	
4/13/2020	5.06	
10/21/2020	5.05	
3/16/2021	5.35	
10/5/2021	5.53	
3/15/2022	5.82	
10/5/2022	5.3	
4/20/2023	6.06	
5/24/2023	5.15	
10/30/2023	5.01	
3/19/2024		5.61
10/1/2024		5.29
3/18/2025		5.38

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
11/16/2006	5	
2/5/2007	<5	
4/12/2007	<5	
10/17/2007	5.7	
4/17/2008	7	
10/24/2008	6.6	
4/21/2009	5.2	
10/26/2009	8.3	
4/12/2010	6.8	
10/30/2010	10.8	
5/25/2011	11.5	
5/25/2012	8.2	
5/28/2013	6.9	
5/31/2014	3.5	
5/29/2015	3.3	
3/23/2016	1.8 (J)	
5/18/2016	4.1	
7/12/2016	3.8 (J)	
9/12/2016	3.9 (J)	
11/18/2016	5.4	
1/19/2017	<5	
3/22/2017	<5	
5/24/2017	2 (J)	
10/17/2017	<5	
5/31/2018	3 (J)	
11/7/2018	3.1 (J)	
4/22/2019	2.22	
9/27/2019	2.36	
4/13/2020	2.47	
10/22/2020	2.01	
3/16/2021	2.15	
10/5/2021	2.57	
3/15/2022	2.88	
10/4/2022	2.04	
4/19/2023	2.85	
10/27/2023	2.72	
3/18/2024		2.81
9/30/2024		2.69
3/18/2025		2.34

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<0.756	
5/18/2016	1.9	
7/12/2016	2 (J)	
9/12/2016	2 (J)	
11/19/2016	1.7 (J)	
1/18/2017	<0.756	
3/22/2017	<0.756	
5/24/2017	<0.756	
10/17/2017	<0.756	
6/1/2018	1.8 (J)	
11/7/2018	1.8 (J)	
4/23/2019	1.99	
9/26/2019	1.95	
4/13/2020	1.43	
10/22/2020	1.76	
3/16/2021	2.23	
10/5/2021	2.46	
3/15/2022	2.1	
10/4/2022	<0.756	
4/19/2023	1.93	
10/27/2023	1.53	
3/20/2024		1.61
9/30/2024		1.41
3/17/2025		1.05

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	<0.756	
5/18/2016	<0.756	
7/12/2016	<0.756	
9/12/2016	<0.756	
11/19/2016	<0.756	
1/19/2017	<0.756	
3/21/2017	<0.756	
5/23/2017	<0.756	
10/17/2017	<0.756	
6/1/2018	1.5 (J)	
11/7/2018	1.5 (J)	
4/23/2019	1.43	
9/26/2019	1.2	
4/13/2020	0.992 (J)	
10/22/2020	1.04	
3/16/2021	1.07	
10/5/2021	3.38	
3/15/2022	1.33	
10/4/2022	<0.756	
4/19/2023	2.42	
10/27/2023	1.7	
3/19/2024		1.35
9/30/2024		1.58
3/17/2025		1.35

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	<5	
5/18/2016	<5	
7/11/2016	<5	
9/13/2016	1.7 (J)	
11/17/2016	<5	
1/18/2017	<5	
3/21/2017	<5	
5/23/2017	<5	
10/17/2017	<5	
5/31/2018	2.2 (J)	
11/8/2018	1.7 (J)	
4/22/2019	2.52	
9/26/2019	2.28	
4/14/2020	2.27	
10/21/2020	2.15	
3/16/2021	2	
10/5/2021	2.22	
3/15/2022	2.29	
10/5/2022	1.4	
4/20/2023	2.59	
10/27/2023	3.08	
3/19/2024		2.87
10/1/2024		3.36
3/17/2025		2.44

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	<5	
5/18/2016	1.4	
7/12/2016	1.8 (J)	
9/12/2016	2.2 (J)	
11/18/2016	1.5 (J)	
1/18/2017	1.5 (J)	
3/21/2017	<5	
5/24/2017	1.7 (J)	
10/17/2017	1.8 (J)	
5/31/2018	2.5 (J)	
11/8/2018	2.2 (J)	
4/22/2019	2.96	
9/26/2019	2.96	
4/13/2020	2.75	
10/22/2020	2.98	
3/16/2021	3.06	
10/5/2021	2.85	
3/16/2022	3.38	
10/5/2022	2.05	
4/20/2023	3.44	
10/27/2023	3.82	
3/19/2024		3.53
10/1/2024		4.89
3/17/2025		3.82

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	3 (J)	
5/18/2016	3.9 (J)	
7/12/2016	3.9 (J)	
9/12/2016	4.5 (J)	
11/18/2016	4.2 (J)	
1/18/2017	3.8 (J)	
3/21/2017	<5 (*)	
5/24/2017	3 (J)	
10/17/2017	3.4 (J)	
5/31/2018	4.1 (J)	
11/8/2018	3.3 (J)	
4/22/2019	4.66	
9/26/2019	4.23	
4/14/2020	3.96	
10/22/2020	3.37	
3/16/2021	3.18	
10/5/2021	3.83	
3/16/2022	7.04	
10/5/2022	6.04	
4/19/2023	7.48	
10/30/2023	7.39	
3/20/2024		6.1
10/1/2024		5.43
3/17/2025		4.28

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	<5	
11/18/2016	<5	
1/18/2017	<5	
2/10/2017	<5	
3/21/2017	<5	
4/14/2017	1.5 (J)	
5/23/2017	<5	
6/26/2017	1.5 (J)	
10/17/2017	<5	
5/31/2018	1.9 (J)	
11/8/2018	1.5 (J)	
4/22/2019	2.09	
9/26/2019	2.1	
4/13/2020	1.69	
10/21/2020	1.31	
3/16/2021	2.72	
10/5/2021	1.91	
3/15/2022	4.86	
10/5/2022	1.02	
4/20/2023	3.73	
5/24/2023	2.62	
10/30/2023	2.73	
3/19/2024		3.31
10/1/2024		2.77
3/18/2025		2.37

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	40	
5/18/2016	52	
7/12/2016	42	
9/12/2016	42	
11/18/2016	82	
1/19/2017	32	
3/22/2017	6	
5/24/2017	48	
10/17/2017	34	
5/31/2018	32	
11/7/2018	52	
4/22/2019	50	
9/27/2019	50	
4/13/2020	63	
10/22/2020	41	
3/16/2021	39	
10/5/2021	43	
3/15/2022	53	
10/4/2022	53	
4/19/2023	67	
10/27/2023	21	
3/18/2024		33
9/30/2024		33
3/18/2025		17

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	48 (B1)	
5/18/2016	26	
7/12/2016	24	
9/12/2016	32	
11/19/2016	76	
1/18/2017	48	
3/22/2017	30	
5/24/2017	46	
10/17/2017	8	
6/1/2018	44	
11/7/2018	26	
4/23/2019	48	
9/26/2019	39	
4/13/2020	28	
10/22/2020	25	
3/16/2021	41	
10/5/2021	29	
3/15/2022	56	
10/4/2022	52	
4/19/2023	41	
10/27/2023	23	
3/20/2024		39
9/30/2024		37
3/17/2025		13

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	34 (B1)	
5/18/2016	24	
7/12/2016	24	
9/12/2016	4 (J)	
11/19/2016	44	
1/19/2017	26	
3/21/2017	20	
5/23/2017	6	
10/17/2017	58	
12/15/2017	20 (RS)	
6/1/2018	26	
11/7/2018	8	
4/23/2019	34	
9/26/2019	32	
4/13/2020	39	
10/22/2020	34	
3/16/2021	34	
10/5/2021	25	
3/15/2022	51	
10/4/2022	42	
4/19/2023	31	
10/27/2023	24	
3/19/2024		17
9/30/2024		28
3/17/2025		12

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	42 (B1)	
5/18/2016	<10	
7/11/2016	<10	
9/13/2016	48	
11/17/2016	20	
1/18/2017	18	
3/21/2017	8	
5/23/2017	<10	
10/17/2017	58	
5/31/2018	24	
11/8/2018	4 (J)	
4/22/2019	46	
9/26/2019	27	
4/14/2020	36	
10/21/2020	33	
3/16/2021	27	
10/5/2021	29	
3/15/2022	34	
10/5/2022	42	
4/20/2023	37	
10/27/2023	21	
3/19/2024		24
10/1/2024		33
3/17/2025		<10

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	32 (B1)	
5/18/2016	26	
7/12/2016	22	
9/12/2016	32	
11/18/2016	16	
1/18/2017	32	
3/21/2017	16	
5/24/2017	22	
10/17/2017	26	
5/31/2018	<3.4	
11/8/2018	36	
4/22/2019	24	
9/26/2019	25	
4/13/2020	27	
10/22/2020	29	
3/16/2021	37	
10/5/2021	34	
3/16/2022	55	
10/5/2022	35	
4/20/2023	30	
10/27/2023	14	
3/19/2024		20
10/1/2024		33
3/17/2025		19

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	28 (B1)	
5/18/2016	20	
7/12/2016	24	
9/12/2016	48	
11/18/2016	10	
1/18/2017	30	
3/21/2017	6	
5/24/2017	30	
10/17/2017	32	
5/31/2018	30	
11/8/2018	22	
4/22/2019	36	
9/26/2019	30	
4/14/2020	29	
10/22/2020	22	
3/16/2021	31	
10/5/2021	29	
3/16/2022	25	
10/5/2022	34	
4/19/2023	29	
10/30/2023	15	
3/20/2024		25
10/1/2024		35
3/17/2025		<10

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/2/2025 4:08 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	12	
11/18/2016	14	
1/18/2017	20	
2/10/2017	28	
3/21/2017	20	
4/14/2017	14	
5/23/2017	<5	
6/26/2017	34	
10/17/2017	42	
5/31/2018	22	
11/8/2018	8	
4/22/2019	31	
9/26/2019	29	
4/13/2020	20	
10/21/2020	19	
3/16/2021	25	
10/5/2021	35	
3/15/2022	36	
10/5/2022	31	
4/20/2023	66	
5/24/2023	32	
10/30/2023	29	
3/19/2024		31
10/1/2024		30
3/18/2025		12

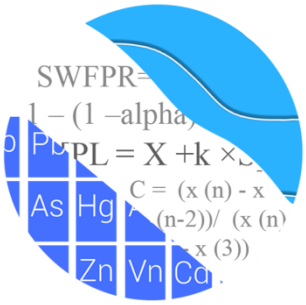
ND substitution: RL or RL/2 if <15% NDs.

Southern Company

Second Semi-Annual Monitoring Event

GROUNDWATER STATS CONSULTING

October 31, 2025



Southern Company Services
Attn: Mr. Trey Singleton
3535 Colonnade Parkway
Birmingham, AL 35243

Re: Plant Daniel North Ash Management Unit (NAMU)
Background Update and Statistical Analysis – September 2025

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the 2025 Groundwater Monitoring 2nd semi-annual report for Mississippi Power Company's Plant Daniel NAMU. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began at Daniel NAMU for the CCR program in 2016. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** MW-11, MW-14, and MW-18
- **Downgradient wells:** MW-15, MW-16, MW-17, and MW-19

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager of Groundwater Stats Consulting.

The CCR program monitors the constituents listed below. The terms "parameters" and "constituents" are used interchangeably throughout this report.

- **Appendix III** (Detection Monitoring) **-** boron, calcium, chloride, fluoride, pH, sulfate, and TDS

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of well/constituent pairs containing 100% non-detects follow this letter.

For all constituents, a substitution of the most recent reporting limit is used for non-detect data. For calculating intrawell prediction limits, the substitution is performed for individual wells and may differ across wells. This generally gives the most conservative limit in each case.

Time series plots for Appendix III parameters are provided for all wells and are used to evaluate concentrations over time as well as for the purpose of updating statistical limits. Additionally, box plots are included for all constituents at upgradient and downgradient wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graph. The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells.

During the initial screening, data at all wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method for Appendix III parameters based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods were recommended. Power curves were provided with the screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance recommendations as discussed below.

Summary of Statistical Methods

Based on the evaluation for federal regulatory requirements, the following methods were selected for Appendix III constituents:

- Intrawell prediction limits, combined with a 1-of-2 resample plan for boron, calcium, chloride, fluoride, pH, sulfate, and TDS

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the

nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the intrawell case, data for all wells and constituents are re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to spatial variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of spatial variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from spatial variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of

interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, 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). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of spatial variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of spatial variation rather than a result of impact to groundwater quality downgradient of the facility.

Summary of Background Screening – Conducted in October 2017

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not conservative from a regulatory perspective, in proposed background data. Suspected outliers at all wells for Appendix III 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.

No suspected outliers were observed in any of the data sets for Appendix III parameters. When any values are identified as outliers, they are plotted in a lighter font on the time series graph.

Seasonality

No 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 may be visual, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test was used to evaluate all data at each well to identify statistically significant increasing or decreasing trends. 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 decreasing trends are present, earlier data are evaluated to determine whether earlier concentration levels are significantly different than current reported concentrations and will be deselected as necessary. When the historical 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 results of the trend analyses showed a few statistically significant decreasing and increasing trends. All trends noted were relatively low in magnitude when compared to average concentrations; therefore, no adjustments were made to any of the data sets.

Appendix III – Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells, which 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 would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified variation among upgradient well data at Plant Daniel NAMU for the majority of the Appendix III parameters. This facility is a lined unit with pre-waste data; therefore, due to variation noted among upgradient wells, intrawell prediction limits were recommended for this facility to accommodate the groundwater quality. A summary table of the ANOVA results was included with the screening.

Summary of Background Update – Appendix III Parameters – May 2024

Outlier Analysis

Prior to updating background records, data were re-evaluated for Appendix III constituents at all wells using Tukey's outlier test and visual screening on all historical data through the October 2023 sample event. A few values were noted by Tukey's as potential outliers; however, these values were not drastically different than concentrations within the respective wells and were not flagged as outliers. Additionally, when Tukey's outlier test detects an outlier for the most recent sample, it often will not be flagged in the event that the reported concentration precedes a trend that is more representative of current concentrations. Although not identified by Tukey's test, the highest value for calcium in downgradient well MW-19 was flagged in order to construct a statistical limit that is conservative (i.e., lower) from a regulatory perspective. A full list of outliers and Tukey's test results were included with the update.

Mann-Whitney Test of Medians

The Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through October 2021 to the new compliance samples at each well through October 2023 to evaluate whether the groups are statistically different at the 99%

confidence level for each of the Appendix III parameters. Any records that used a truncated portion of the dataset from previous updates retained the curtailed portion of their record for the Mann-Whitney test. Note that the Mann-Whitney was not performed for boron at downgradient wells MW-16 and MW-17 as these records contain 100% non-detects. When no differences are identified by the Mann-Whitney test, background data sets may be updated to include newer data for construction of prediction limits. This results in statistical limits that are representative of present-day conditions. Statistically significant differences were found between the two groups for the following well/constituent pairs:

Increase:

- Calcium: MW-19
- Chloride: MW-16
- Fluoride: MW-19
- Sulfate: MW-18 (upgradient)

Decrease:

- Calcium: MW-18 (upgradient)

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data sets are not updated to include the newer data but will be reconsidered in the future. Although calcium at upgradient well MW-18 was identified with a statistically significant decreasing median, this record was updated since reported concentrations are similar to those reported historically.

Regarding well/constituent pairs with statistically significant increases in medians, the more recent concentrations for chloride at downgradient well MW-16 were similar to concentrations in background. For fluoride at downgradient well MW-19, although more recent concentrations were slightly higher than historic detected measurements, the compliance measurements remained below the most recent reporting limit of 0.1 mg/L. Compliance observations for sulfate at upgradient well MW-18 were above existing concentrations in background; however, all more recent data are relatively stable and are assumed to represent groundwater quality unrelated to the facility. Regarding calcium at downgradient well MW-19, while the more recent median was higher than the background median, the concentrations are similar to those reported historically in upgradient well MW-14. Therefore, this record, along with all other records, was updated through October 2023.

Statistical Analysis of Appendix III Parameters – September 2025

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample strategy, were established for each of the Appendix III parameters at each well using historical data through October 2023 for comparison of the September 2025 samples. Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at the same well. The September 2025 samples from each well were compared to the prediction limits to determine whether initial exceedances are present. Note due to changes in reporting limits, the following changes in prediction limits for boron at upgradient well MW-14 from 0.08 mg/L to 0.0559 mg/L, and both downgradient wells MW-15 and MW-19 from 0.08 mg/L to 0.05 mg/L; fluoride at downgradient well MW-19 from 0.0849 mg/L to 0.1 mg/L; and TDS at downgradient well MW-17 from 48.32 mg/L to 47.73 mg/L. No significant changes occurred as a result of the most recent reporting 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 to be a false positive result and, therefore, no further action is necessary. Complete graphical results of the prediction limits may be found following this letter. An exceedance was identified for the following well/constituent pair:

- Calcium: MW-15
- Chloride: MW-15
- pH: MW-17 and MW-19
- Sulfate: MW-17

Two-Step Analysis

Following the two-step analysis procedure, when an exceedance is identified among downgradient wells, interwell prediction limits are constructed using pooled upgradient well data to further evaluate the apparent intrawell prediction limit exceedances. Interwell prediction limits were constructed using pooled upgradient well data through September 2025 and no exceedances were identified.

Trend Test Evaluation

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level. 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. The existence of similar trends in both upgradient and downgradient wells is an indication of variability in groundwater that is unrelated to practices at the site. Since no exceedances were identified downgradient of the facility, trend tests were not necessary for this analysis. The following statistically significant trends were identified:

Increasing:

- Sulfate: MW-18 (upgradient) and MW-17

Decreasing:

- Calcium: MW-14 and MW-18 (both upgradient)
- Chloride: MW-18 (upgradient)
- pH: MW-14 (upgradient)
- Sulfate: MW-11 (upgradient)

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Daniel North Ash Management Unit. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Tristan Clark
Groundwater Analyst

Andrew Collins
Project Manager

Table of Contents

Summary Tables

100% Non-Detects

Analysis Run 10/29/2025 12:13 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Boron (mg/L)
MW-16, MW-17

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/29/2025, 12:19 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)	**MW-15**	**1.592**	**n/a**	**9/29/2025**	**1.71**	**Yes**	**21**	**1.133**	**0.2321**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Chloride (mg/L)	**MW-15**	**10.16**	**n/a**	**9/29/2025**	**11.7**	**Yes**	**21**	**7.741**	**1.227**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
pH (SU)	**MW-17**	**5.42**	**4.79**	**9/30/2025**	**4.6**	**Yes**	**21**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.007998**	**NP Intra (normality) 1 of 2**
pH (SU)	**MW-19**	**6.06**	**4.81**	**9/30/2025**	**4.52**	**Yes**	**23**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.006831**	**NP Intra (normality) 1 of 2**
Sulfate (mg/L)	**MW-17**	**3.848**	**n/a**	**9/30/2025**	**4.91**	**Yes**	**21**	**2.469**	**0.698**	**9.524**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/29/2025, 12:19 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)	MW-11	0.103	n/a	9/29/2025	0.05ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-14	0.0559	n/a	9/29/2025	0.05ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-15	0.05	n/a	9/29/2025	0.05ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-18	0.0927	n/a	9/29/2025	0.0293J	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-19	0.05	n/a	9/30/2025	0.05ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-11	2.14	n/a	9/29/2025	1.41	No	21	11.51	4.784	4.762	None	x^4	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-14	5.45	n/a	9/29/2025	2.9	No	21	1.778	0.2818	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Calcium (mg/L)	**MW-15**	**1.592**	**n/a**	**9/29/2025**	**1.71**	**Yes**	**21**	**1.133**	**0.2321**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Calcium (mg/L)	MW-16	1.249	n/a	9/30/2025	1.18	No	22	0.8682	0.1942	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-17	1.253	n/a	9/30/2025	0.965	No	21	0.9997	0.1281	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-18	0.9961	n/a	9/29/2025	0.706	No	21	0.6266	0.1871	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-19	5.84	n/a	9/30/2025	1.01	No	21	n/a	n/a	0	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-11	15.86	n/a	9/29/2025	11.4	No	36	12.44	1.847	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-14	12.24	n/a	9/29/2025	12	No	21	9.109	1.586	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	**MW-15**	**10.16**	**n/a**	**9/29/2025**	**11.7**	**Yes**	**21**	**7.741**	**1.227**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Chloride (mg/L)	MW-16	11.41	n/a	9/30/2025	9.6	No	23	8.088	1.705	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-17	8.088	n/a	9/30/2025	6.03	No	21	6.617	0.745	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-18	11.41	n/a	9/29/2025	7.27	No	21	7.771	1.844	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-19	6.91	n/a	9/30/2025	5.92	No	22	n/a	n/a	4.545	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-11	0.1	n/a	9/29/2025	0.0294J	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-14	0.0511	n/a	9/29/2025	0.0274J	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-15	0.1	n/a	9/29/2025	0.1ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-16	0.1	n/a	9/30/2025	0.1ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-17	0.1	n/a	9/30/2025	0.1ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-18	0.1	n/a	9/29/2025	0.1ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-19	0.1	n/a	9/30/2025	0.1ND	No	22	n/a	n/a	68.18	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
pH (SU)	MW-11	4.897	4.494	9/29/2025	4.76	No	22	4.696	0.1027	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-14	5.464	4.648	9/29/2025	4.69	No	21	1.715	0.0234	0	None	x^(1/3)	0.0009398	Param Intra 1 of 2
pH (SU)	MW-15	4.981	4.434	9/29/2025	4.47	No	21	4.708	0.1383	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-16	4.781	4.402	9/30/2025	4.66	No	21	4.591	0.09588	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	**MW-17**	**5.42**	**4.79**	**9/30/2025**	**4.6**	**Yes**	**21**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.007998**	**NP Intra (normality) 1 of 2**
pH (SU)	MW-18	4.83	4.47	9/29/2025	4.69	No	20	4.65	0.09032	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	**MW-19**	**6.06**	**4.81**	**9/30/2025**	**4.52**	**Yes**	**23**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.006831**	**NP Intra (normality) 1 of 2**
Sulfate (mg/L)	MW-11	11.5	n/a	9/29/2025	3.84	No	36	n/a	n/a	13.89	n/a	n/a	0.001429	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-14	2.435	n/a	9/29/2025	1.09	No	21	2.621	1.674	28.57	Kaplan-Meier	x^2	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-15	3.38	n/a	9/29/2025	2.4	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-16	5	n/a	9/30/2025	4.19	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	**MW-17**	**3.848**	**n/a**	**9/30/2025**	**4.91**	**Yes**	**21**	**2.469**	**0.698**	**9.524**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Sulfate (mg/L)	MW-18	7.288	n/a	9/29/2025	4.64	No	21	2.055	0.3266	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-19	5	n/a	9/30/2025	2.28	No	22	n/a	n/a	31.82	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-11	76.45	n/a	9/29/2025	42	No	21	44.86	15.99	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-14	67.05	n/a	9/29/2025	65	No	21	37.62	14.9	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-15	55.48	n/a	9/29/2025	31	No	22	29.09	13.45	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-16	58.33	n/a	9/30/2025	31	No	21	27.1	15.81	14.29	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-17	47.73	n/a	9/30/2025	5ND	No	21	27.38	10.3	4.762	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-18	44.58	n/a	9/29/2025	11	No	21	26.67	9.068	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-19	52.09	n/a	9/30/2025	31	No	22	25.89	13.35	4.545	None	No	0.00188	Param Intra 1 of 2

Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/29/2025, 6:46 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)	MW-15	4.312	n/a	9/29/2025	1.71	No	75	1.297	0.4412	2.667	None	sqrt(x)	0.00188	Param Inter 1 of 2
Chloride (mg/L)	MW-15	14.95	n/a	9/29/2025	11.7	No	90	10.18	2.712	0	None	No	0.00188	Param Inter 1 of 2
pH (SU)	MW-17	5.65	4.45	9/30/2025	4.6	No	75	n/a	n/a	0	n/a	n/a	0.0006885	NP Inter (normality) 1 of 2
pH (SU)	MW-19	5.65	4.45	9/30/2025	4.52	No	75	n/a	n/a	0	n/a	n/a	0.0006885	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-17	8.068	n/a	9/30/2025	4.91	No	90	1.705	0.6456	13.33	None	sqrt(x)	0.00188	Param Inter 1 of 2

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/30/2025, 8:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-14 (bg)**	**-0.2234**	**-166**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-18 (bg)**	**-0.04916**	**-139**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-18 (bg)**	**-0.3439**	**-115**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**MW-14 (bg)**	**-0.04247**	**-155**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-11 (bg)**	**-0.1815**	**-288**	**-223**	**Yes**	**40**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-17**	**0.2747**	**214**	**111**	**Yes**	**25**	**8**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-18 (bg)**	**0.2061**	**114**	**111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**

Trend Tests - Prediction Limit Exceedances - All Results

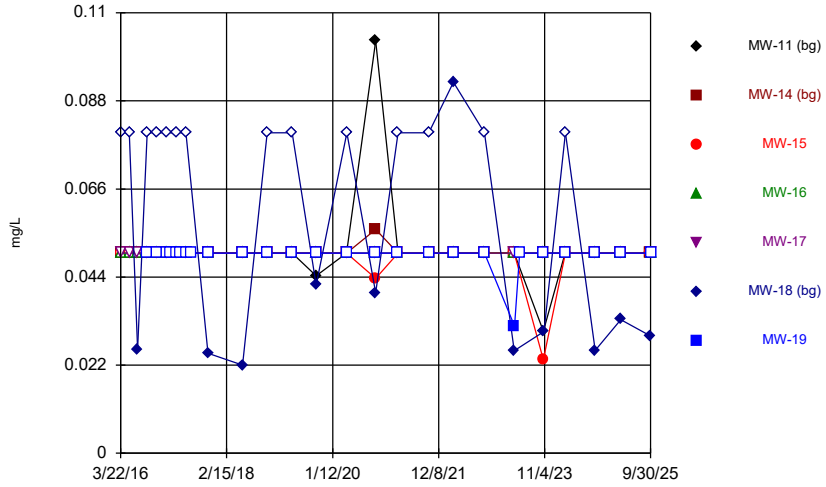
Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/30/2025, 8:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-11 (bg)	-0.02455	-55	-111	No	25	4	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-14 (bg)**	**-0.2234**	**-166**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-15	-0.02015	-46	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-18 (bg)**	**-0.04916**	**-139**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-11 (bg)	0.1053	208	223	No	40	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-14 (bg)	0.06468	25	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-15	0.09765	39	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-18 (bg)**	**-0.3439**	**-115**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	MW-11 (bg)	-0.00987	-67	-118	No	26	0	n/a	n/a	0.01	NP
pH (SU)	**MW-14 (bg)**	**-0.04247**	**-155**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	MW-17	-0.01834	-101	-111	No	25	0	n/a	n/a	0.01	NP
pH (SU)	MW-18 (bg)	0.008099	59	105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	MW-19	0.02508	56	124	No	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-11 (bg)**	**-0.1815**	**-288**	**-223**	**Yes**	**40**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-14 (bg)	0	-3	-111	No	25	24	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-17**	**0.2747**	**214**	**111**	**Yes**	**25**	**8**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-18 (bg)**	**0.2061**	**114**	**111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**

Time Series

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Boron Analysis Run 10/29/2025 12:10 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

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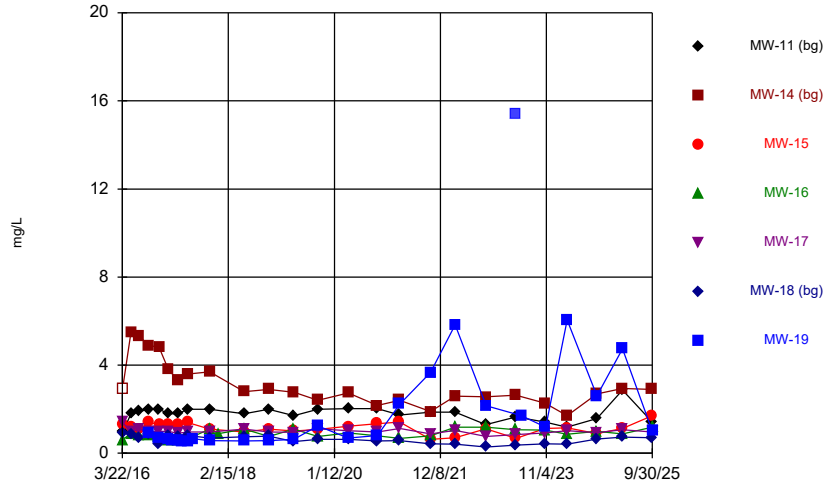

Constituent: Calcium Analysis Run 10/29/2025 12:10 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

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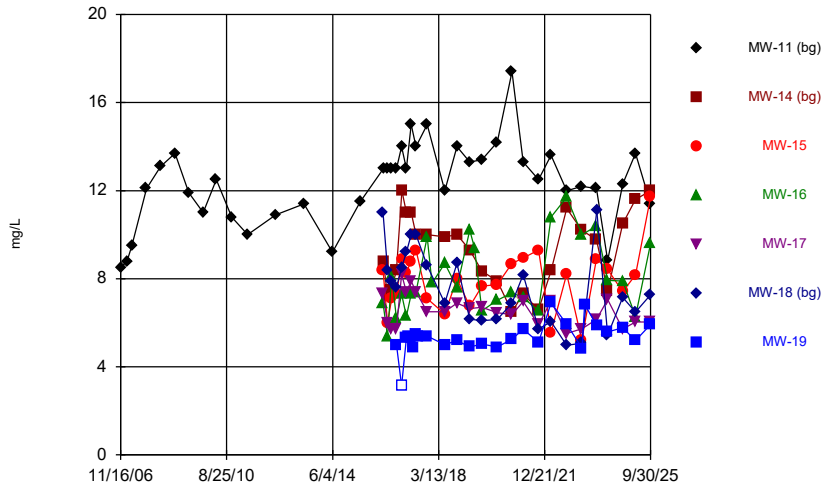

Constituent: Chloride Analysis Run 10/29/2025 12:10 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

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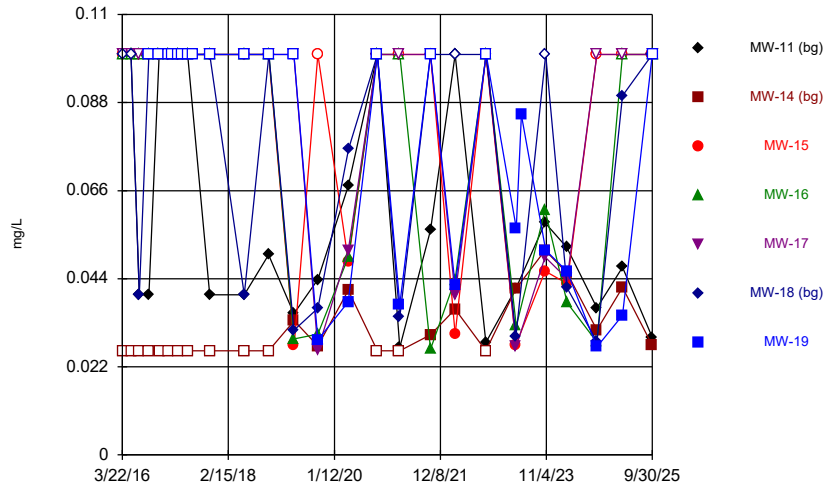
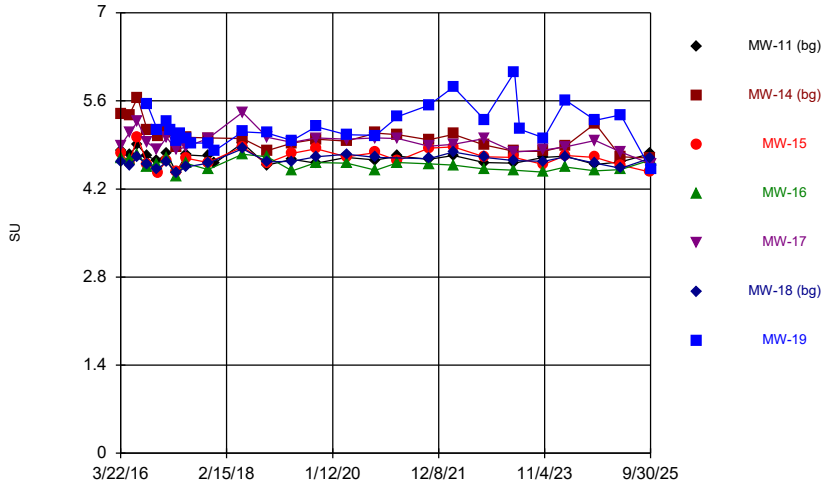


Constituent: Fluoride Analysis Run 10/29/2025 12:10 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Time Series



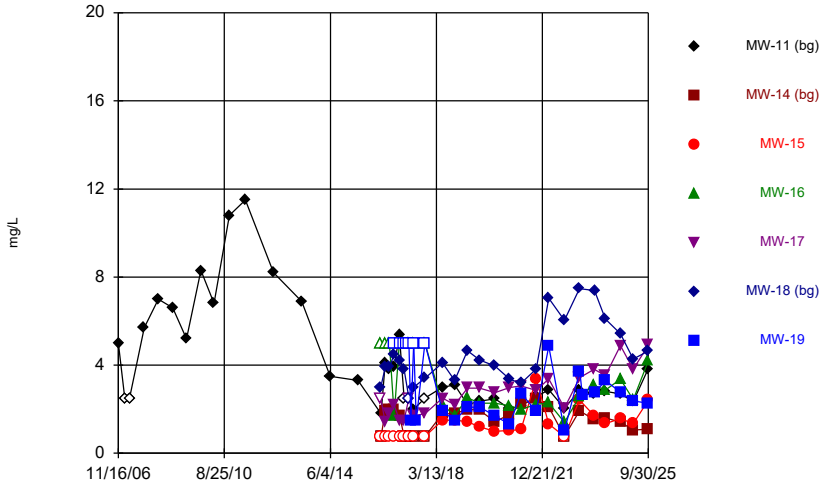
Constituent: pH Analysis Run 10/29/2025 12:10 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



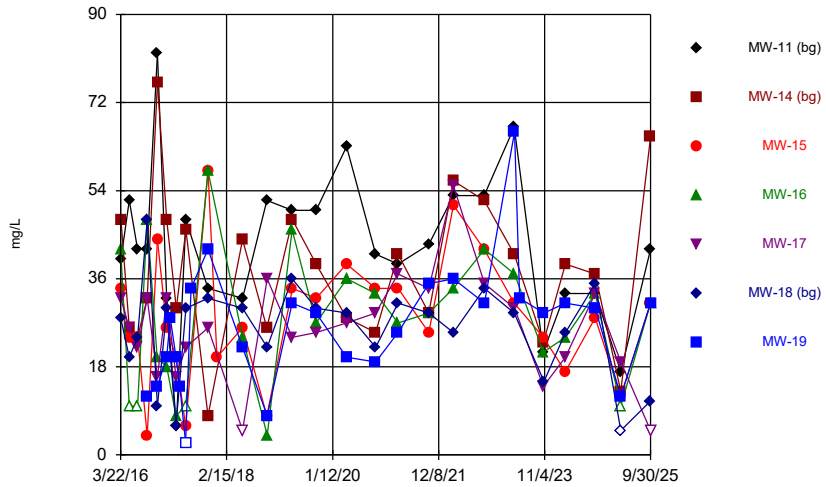
Constituent: Sulfate Analysis Run 10/29/2025 12:10 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Time Series



Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:10 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

Time Series

Constituent: Boron (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			<0.05 (B1)	<0.05 (B1)	<0.05 (B1)	<0.08 (B1)	
3/23/2016	<0.05 (B1)	<0.05 (B1)					
5/18/2016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.08	
7/11/2016				<0.05			
7/12/2016	<0.05	<0.05	<0.05		<0.05	0.026 (J)	
9/12/2016	<0.05	<0.05	<0.05		<0.05	<0.08	<0.05
9/13/2016				<0.05			
11/17/2016				<0.05			
11/18/2016	<0.05				<0.05	<0.08	<0.05
11/19/2016		<0.05	<0.05				
1/18/2017		<0.05		<0.05	<0.05	<0.08	<0.05
1/19/2017	<0.05		<0.05				
2/10/2017							<0.05
3/21/2017			<0.05	<0.05	<0.05	<0.08	<0.05
3/22/2017	<0.05	<0.05					
4/14/2017							<0.05
5/23/2017			<0.05	<0.05			<0.05
5/24/2017	<0.05	<0.05			<0.05	<0.08	
6/26/2017							<0.05
10/17/2017	<0.05	<0.05	<0.05	<0.05	<0.05	0.025 (J)	<0.05
5/31/2018	<0.05			<0.05	<0.05	0.022 (J)	<0.05
6/1/2018		<0.05	<0.05				
11/7/2018	<0.05	<0.05	<0.05				
11/8/2018				<0.05	<0.05	<0.08	<0.05
4/22/2019	<0.05			<0.05	<0.05	<0.08	<0.05
4/23/2019		<0.05	<0.05				
9/26/2019		<0.05	<0.05	<0.05	<0.05	0.042 (J)	<0.05
9/27/2019	0.0443 (J)						
4/13/2020	<0.05	<0.05	<0.05		<0.05		<0.05
4/14/2020				<0.05		<0.08	
10/21/2020				<0.05			<0.05
10/22/2020	0.103	0.0559 (J)	0.0437 (J)		<0.05	0.0401 (J)	
3/16/2021	<0.05	<0.05	<0.05	<0.05	<0.05	<0.08	<0.05
10/5/2021	<0.05	<0.05	<0.05	<0.05	<0.05	<0.08	<0.05
3/15/2022	<0.05	<0.05	<0.05	<0.05			<0.05
3/16/2022					<0.05	0.0927	
10/4/2022	<0.05	<0.05	<0.05				
10/5/2022				<0.05	<0.05	<0.08	<0.05
4/19/2023	<0.05	<0.05	<0.05			0.0256 (J)	
4/20/2023				<0.05	<0.05		0.0318 (J)
5/24/2023							<0.05
10/27/2023	0.0305 (J)	<0.05	0.0234 (J)	<0.05	<0.05		
10/30/2023						0.0304 (J)	<0.05
3/18/2024	<0.05						
3/19/2024			<0.05	<0.05	<0.05		<0.05
3/20/2024		<0.05				<0.08	
9/30/2024	<0.05	<0.05	<0.05				
10/1/2024				<0.05	<0.05	0.0257 (J)	<0.05
3/17/2025		<0.05	<0.05	<0.05	<0.05	0.0334 (J)	
3/18/2025	<0.05						<0.05
9/29/2025	<0.05	<0.05	<0.05			0.0293 (J)	
9/30/2025				<0.05	<0.05		<0.05

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			1.3 (B1)	0.61 (B1)	1.4 (B1)	0.93 (B1)	
3/23/2016	<1.9 (*)	<5.9 (*)					
5/18/2016	1.8	5.5	1.2	0.89	1	0.85	
7/11/2016				0.82			
7/12/2016	1.9	5.3	1.1		1.1	0.69	
9/12/2016	2	4.9	1.4		0.98	0.86	0.92
9/13/2016				0.82			
11/17/2016				0.75			
11/18/2016	2				1	0.41	0.68
11/19/2016		4.8	1.3				
1/18/2017		3.8		0.58	1	0.81	0.64
1/19/2017	1.8		1.3				
2/10/2017							0.58
3/21/2017			1.3	0.6	0.91	0.76	0.56
3/22/2017	1.8	3.3					
4/14/2017							0.51
5/23/2017			1.4	0.65			0.54
5/24/2017	2	3.6			0.96	0.8	
6/26/2017							0.66
10/17/2017	2	3.7	1.1	1.1	0.96	0.69	0.58
12/15/2017				0.89 (RS)			
5/31/2018	1.8			1.1	1.1	0.75	0.56
6/1/2018		2.8	0.97				
11/7/2018	2	2.9	1.1				
11/8/2018				0.76	0.96	0.78	0.57
4/22/2019	1.71			1.09	0.946	0.531	0.634
4/23/2019		2.76	1.01				
9/26/2019		2.4	1.08	0.758	1.11	0.631	1.24
9/27/2019	1.99						
4/13/2020	2.03	2.74	1.22		1.03		0.687
4/14/2020				0.92		0.627	
10/21/2020				0.798			0.806
10/22/2020	2.02	2.17	1.35		0.969	0.553	
3/16/2021	1.74	2.4	1.41	0.681	1.12	0.57	2.23
10/5/2021	1.87	1.89	0.632	0.793	0.883	0.43 (J)	3.67
3/15/2022	1.87	2.59	0.703	1.18			5.84
3/16/2022					1.04	0.406 (J)	
10/4/2022	1.3	2.56	1.11				
10/5/2022				1.19	0.755	0.285 (J)	2.16
4/19/2023	1.65	2.63	0.682			0.368 (J)	
4/20/2023				1.07	0.855		15.4 (o)
5/24/2023							1.7
10/27/2023	1.42	2.28	1.13	1.05	0.916		
10/30/2023						0.427 (J)	1.19
3/18/2024	1.19						
3/19/2024			1.16	0.87	1.03		6.05
3/20/2024		1.7				0.414 (J)	
9/30/2024	1.58	2.69	0.896				
10/1/2024				0.988	0.939	0.647	2.61
3/17/2025		2.94	1.12	0.879	1.06	0.727	
3/18/2025	2.87						4.74
9/29/2025	1.41	2.9	1.71			0.706	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
9/30/2025				1.18	0.965		1.01

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
11/16/2006	8.5						
2/5/2007	8.8						
4/12/2007	9.5						
10/17/2007	12.1						
4/17/2008	13.1						
10/24/2008	13.7						
4/21/2009	11.9						
10/26/2009	11						
4/12/2010	12.5						
10/30/2010	10.8						
5/25/2011	10						
5/25/2012	10.9						
5/28/2013	11.4						
5/31/2014	9.2						
5/29/2015	11.5						
3/22/2016			8.4 (B1)	6.9 (B1)	7.3 (B1)	11 (B1)	
3/23/2016	13	8.8 (B1)					
5/18/2016	13	7.2	6	5.4	6	8.4	
7/11/2016				8.1			
7/12/2016	13	7.5	7.1		5.7	7.9	
9/12/2016	13	8.4	7.3		5.7	7.6	5
9/13/2016				6.2			
11/17/2016				7.3			
11/18/2016	14				8.2	8.5	<6.3 (*)
11/19/2016		12	8.9				
1/18/2017		11		6.3	7.4	9.2	5.3
1/19/2017	13		8.3				
2/10/2017							5.4
3/21/2017			8.8	7.3	7.9	10	5.3
3/22/2017	15	11					
4/14/2017							4.9 (B)
5/23/2017			9.3	7.4			5.5
5/24/2017	14	10			7.4	10	
6/26/2017							5.4
10/17/2017	15	10	7.1	9.9	6.5	8.6	5.4
12/19/2017				7.8 (RS)			
5/31/2018	12			8.7	6.5	6.9	5
6/1/2018		9.9	6.4				
11/7/2018	14	10	8				
11/8/2018				7.6	6.9	8.7	5.2
4/22/2019	13.3			10.2	6.64	6.17	4.91
4/23/2019		9.3	6.75				
6/25/2019				9.4			
9/26/2019		8.35	7.66	6.54	6.7	6.09	5.03
9/27/2019	13.4						
4/13/2020	14.2	7.9	7.74		6.46		4.9
4/14/2020				7.03		6.15	
10/21/2020				7.36			5.25
10/22/2020	17.4	6.5	8.69		6.37	6.89	
3/16/2021	13.3	7.32	8.94	7.14	6.97	8.18	5.72
10/5/2021	12.5	6.59	9.3	6.55	5.91	5.72	5.1
3/15/2022	13.6	8.36	5.55	10.8			6.91

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/16/2022					7	6.05	
10/4/2022	12	11.2	8.22				
10/5/2022				11.7	5.51	4.97	5.94
4/19/2023	12.2	10.2	5.21			5.08	
4/20/2023				10	5.73		4.84
5/24/2023							6.84
10/27/2023	12.1	9.77	8.9	10.4	6.16		
10/30/2023						11.1	5.88
3/18/2024	8.82						
3/19/2024			8.42	7.92	7.06		5.59
3/20/2024		7.44				5.44	
9/30/2024	12.3	10.5	7.42				
10/1/2024				7.89	5.72	7.15	5.78
3/17/2025		11.6	8.17	6.28	6.04	6.48	
3/18/2025	13.7						5.19
9/29/2025	11.4	12	11.7			7.27	
9/30/2025				9.6	6.03		5.92

Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			<0.1 (B1)	<0.1 (B1)	<0.1 (B1)	<0.1 (B1)	
3/23/2016	<0.1	<0.026 (B1)					
5/18/2016	<0.1	<0.026	<0.1	<0.1	<0.1	<0.1	
7/11/2016				<0.1			
7/12/2016	0.04 (J)	<0.026	<0.1		<0.1	0.04 (J)	
9/12/2016	0.04 (J)	<0.026	<0.1		<0.1	<0.1	<0.1
9/13/2016				<0.1			
11/17/2016				<0.1			
11/18/2016	<0.1				<0.1	<0.1	<0.1
11/19/2016		<0.026	<0.1				
1/18/2017		<0.026		<0.1	<0.1	<0.1	<0.1
1/19/2017	<0.1		<0.1				
2/10/2017							<0.1
3/21/2017			<0.1	<0.1	<0.1	<0.1	<0.1
3/22/2017	<0.1	<0.026					
4/14/2017							<0.1
5/23/2017			<0.1	<0.1			<0.1
5/24/2017	<0.1	<0.026			<0.1	<0.1	
6/26/2017							<0.1
10/17/2017	0.04 (J)	<0.026	<0.1	<0.1	<0.1	<0.1	<0.1
5/31/2018	0.04 (J)			<0.1	<0.1	0.04 (J)	<0.1
6/1/2018		<0.026	<0.1				
11/7/2018	0.05 (J)	<0.026	<0.1				
11/8/2018				<0.1	<0.1	<0.1	<0.1
4/22/2019	0.0353 (J)			0.029 (J)	<0.1	0.0311 (J)	<0.1
4/23/2019		0.0335 (J)	0.0275 (J)				
9/26/2019		0.0272 (J)	<0.1	0.0302 (J)	0.0263 (J)	0.0366 (J)	0.0287 (J)
9/27/2019	0.0438 (J)						
4/13/2020	0.0672 (J)	0.0411 (J)	0.0484 (J)		0.0511 (J)		0.0382 (J)
4/14/2020				0.0496 (J)		0.0764 (J)	
10/21/2020				<0.1			<0.1
10/22/2020	<0.1	<0.026	<0.1		<0.1	<0.1	
3/16/2021	0.0269 (J)	<0.026	<0.1	<0.1	<0.1	0.0344 (J)	0.0376 (J)
10/5/2021	0.0561 (J)	0.03 (J)	<0.1	0.0264 (J)	<0.1	<0.1	<0.1
3/15/2022	<0.1	0.0364 (J)	0.0302 (J)	0.0438 (J)			0.0423 (J)
3/16/2022					0.0399 (J)	<0.1	
10/4/2022	0.0281 (J)	<0.026	<0.1				
10/5/2022				<0.1	<0.1	<0.1	<0.1
4/19/2023	0.0416 (J)	0.0415 (J)	0.0275 (J)			0.0297 (J)	
4/20/2023				0.0322 (J)	0.0271 (J)		0.0566 (J)
5/24/2023							0.0849 (J)
10/27/2023	0.058 (J)	0.0511 (J)	0.0459 (J)	0.0612 (J)	0.0494 (J)		
10/30/2023						<0.1	0.0511 (J)
3/18/2024	0.0518 (J)						
3/19/2024			0.0428 (J)	0.038 (J)	0.044 (J)		0.0458 (J)
3/20/2024		0.0454 (J)				0.0417 (J)	
9/30/2024	0.0367 (J)	0.0312 (J)	<0.1				
10/1/2024				0.0282 (J)	<0.1	0.0283 (J)	0.027 (J)
3/17/2025		0.0418 (J)	<0.1	<0.1	<0.1	0.0897 (J)	
3/18/2025	0.0469 (J)						0.0349 (J)
9/29/2025	0.0294 (J)	0.0274 (J)	<0.1			<0.1	
9/30/2025				<0.1	<0.1		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: pH (SU) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			4.77	4.68	4.89	4.63	
3/23/2016	4.8	5.4					
5/18/2016	4.74	5.38	4.62	4.67	5.09	4.58	
7/11/2016				4.75			
7/12/2016	4.9	5.65	5.03		5.27	4.7	
9/12/2016	4.72	5.14	4.6		4.94	4.6	5.55
9/13/2016				4.56			
11/17/2016				4.6			
11/18/2016	4.65				4.82	4.52	5.14
11/19/2016		5.05	4.46				
1/18/2017		5.11		4.68	5.02	4.63	5.27
1/19/2017	4.77		4.65				
2/10/2017							5.14
3/21/2017			4.47	4.39	4.82	4.45	4.96
3/22/2017	4.46	4.86					
4/14/2017							5.07
5/23/2017			4.69	4.61			5.01
5/24/2017	4.74	5.02			4.87	4.55	
6/26/2017							4.93
10/17/2017	4.72	5.01	4.62	4.51	5	4.61	4.93
11/30/2017	4.61						4.81
5/31/2018	4.93			4.75	5.42	4.84	5.11
6/1/2018		5	4.87				
11/7/2018	4.58	4.81	4.61				
11/8/2018				4.71	5.02	4.63	5.09
4/22/2019	4.67			4.49	4.94	4.64	4.97
4/23/2019		4.93	4.77				
9/26/2019		4.99	4.84	4.62	5.01	4.71	5.19
9/27/2019	4.61						
4/13/2020	4.7	4.96	4.71		4.99		5.06
4/14/2020				4.61		4.75	
10/21/2020				4.5			5.05
10/22/2020	4.66	5.09	4.78		5.01	4.7	
3/16/2021	4.72	5.06	4.65	4.62	5		5.35
10/5/2021	4.67	4.98	4.85	4.6	4.88	4.68	5.53
3/15/2022	4.73	5.07	4.87	4.58			5.82
3/16/2022					4.91	4.79	
10/4/2022	4.62	4.9	4.71				
10/5/2022				4.52	5	4.7	5.3
4/19/2023	4.61	4.8	4.7			4.65	
4/20/2023				4.5	4.79		6.06
5/24/2023							5.15
10/27/2023	4.7	4.8	4.59	4.47	4.82		
10/30/2023						4.64	5.01
3/18/2024	4.72						
3/19/2024			4.73	4.55	4.87		5.61
3/20/2024		4.88				4.71	
9/30/2024	4.59	5.24	4.7				
10/1/2024				4.49	4.97	4.61	5.29
3/17/2025		4.71	4.58	4.51	4.79	4.53	
3/18/2025	4.63						5.38
9/29/2025	4.76	4.69	4.47			4.69	

Time Series

Constituent: pH (SU) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
9/30/2025				4.66	4.6		4.52

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
11/16/2006	5						
2/5/2007	<5						
4/12/2007	<5						
10/17/2007	5.7						
4/17/2008	7						
10/24/2008	6.6						
4/21/2009	5.2						
10/26/2009	8.3						
4/12/2010	6.8						
10/30/2010	10.8						
5/25/2011	11.5						
5/25/2012	8.2						
5/28/2013	6.9						
5/31/2014	3.5						
5/29/2015	3.3						
3/22/2016			<0.756	<5	<5	3 (J)	
3/23/2016	1.8 (J)	<0.756					
5/18/2016	4.1	1.9	<0.756	<5	1.4	3.9 (J)	
7/11/2016				<5			
7/12/2016	3.8 (J)	2 (J)	<0.756		1.8 (J)	3.9 (J)	
9/12/2016	3.9 (J)	2 (J)	<0.756		2.2 (J)	4.5 (J)	<5
9/13/2016				1.7 (J)			
11/17/2016				<5			
11/18/2016	5.4				1.5 (J)	4.2 (J)	<5
11/19/2016		1.7 (J)	<0.756				
1/18/2017		<0.756		<5	1.5 (J)	3.8 (J)	<5
1/19/2017	<5		<0.756				
2/10/2017							<5
3/21/2017			<0.756	<5	<5	<5 (*)	<5
3/22/2017	<5	<0.756					
4/14/2017							1.5 (J)
5/23/2017			<0.756	<5			<5
5/24/2017	2 (J)	<0.756			1.7 (J)	3 (J)	
6/26/2017							1.5 (J)
10/17/2017	<5	<0.756	<0.756	<5	1.8 (J)	3.4 (J)	<5
5/31/2018	3 (J)			2.2 (J)	2.5 (J)	4.1 (J)	1.9 (J)
6/1/2018		1.8 (J)	1.5 (J)				
11/7/2018	3.1 (J)	1.8 (J)	1.5 (J)				
11/8/2018				1.7 (J)	2.2 (J)	3.3 (J)	1.5 (J)
4/22/2019	2.22			2.52	2.96	4.66	2.09
4/23/2019		1.99	1.43				
9/26/2019		1.95	1.2	2.28	2.96	4.23	2.1
9/27/2019	2.36						
4/13/2020	2.47	1.43	0.992 (J)		2.75		1.69
4/14/2020				2.27		3.96	
10/21/2020				2.15			1.31
10/22/2020	2.01	1.76	1.04		2.98	3.37	
3/16/2021	2.15	2.23	1.07	2	3.06	3.18	2.72
10/5/2021	2.57	2.46	3.38	2.22	2.85	3.83	1.91
3/15/2022	2.88	2.1	1.33	2.29			4.86
3/16/2022					3.38	7.04	
10/4/2022	2.04	<0.756	<0.756				

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
10/5/2022				1.4	2.05	6.04	1.02
4/19/2023	2.85	1.93	2.42			7.48	
4/20/2023				2.59	3.44		3.73
5/24/2023							2.62
10/27/2023	2.72	1.53	1.7	3.08	3.82		
10/30/2023						7.39	2.73
3/18/2024	2.81						
3/19/2024			1.35	2.87	3.53		3.31
3/20/2024		1.61				6.1	
9/30/2024	2.69	1.41	1.58				
10/1/2024				3.36	4.89	5.43	2.77
3/17/2025		1.05	1.35	2.44	3.82	4.28	
3/18/2025	2.34						2.37
9/29/2025	3.84	1.09	2.4			4.64	
9/30/2025				4.19	4.91		2.28

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:11 PM

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
3/22/2016			34 (B1)	42 (B1)	32 (B1)	28 (B1)	
3/23/2016	40	48 (B1)					
5/18/2016	52	26	24	<10	26	20	
7/11/2016				<10			
7/12/2016	42	24	24		22	24	
9/12/2016	42	32	4 (J)		32	48	12
9/13/2016				48			
11/17/2016				20			
11/18/2016	82				16	10	14
11/19/2016		76	44				
1/18/2017		48		18	32	30	20
1/19/2017	32		26				
2/10/2017							28
3/21/2017			20	8	16	6	20
3/22/2017	6	30					
4/14/2017							14
5/23/2017			6	<10			<5
5/24/2017	48	46			22	30	
6/26/2017							34
10/17/2017	34	8	58	58	26	32	42
12/15/2017			20 (RS)				
5/31/2018	32			24	<10	30	22
6/1/2018		44	26				
11/7/2018	52	26	8				
11/8/2018				4 (J)	36	22	8
4/22/2019	50			46	24	36	31
4/23/2019		48	34				
9/26/2019		39	32	27	25	30	29
9/27/2019	50						
4/13/2020	63	28	39		27		20
4/14/2020				36		29	
10/21/2020				33			19
10/22/2020	41	25	34		29	22	
3/16/2021	39	41	34	27	37	31	25
10/5/2021	43	29	25	29	34	29	35
3/15/2022	53	56	51	34			36
3/16/2022					55	25	
10/4/2022	53	52	42				
10/5/2022				42	35	34	31
4/19/2023	67	41	31			29	
4/20/2023				37	30		66
5/24/2023							32
10/27/2023	21	23	24	21	14		
10/30/2023						15	29
3/18/2024	33						
3/19/2024			17	24	20		31
3/20/2024		39				25	
9/30/2024	33	37	28				
10/1/2024				33	33	35	30
3/17/2025		13	12	<10	19	<10	
3/18/2025	17						12
9/29/2025	42	65	31			11	

ND substitution: RL or RL/2 if <15% NDs.

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:11 PM

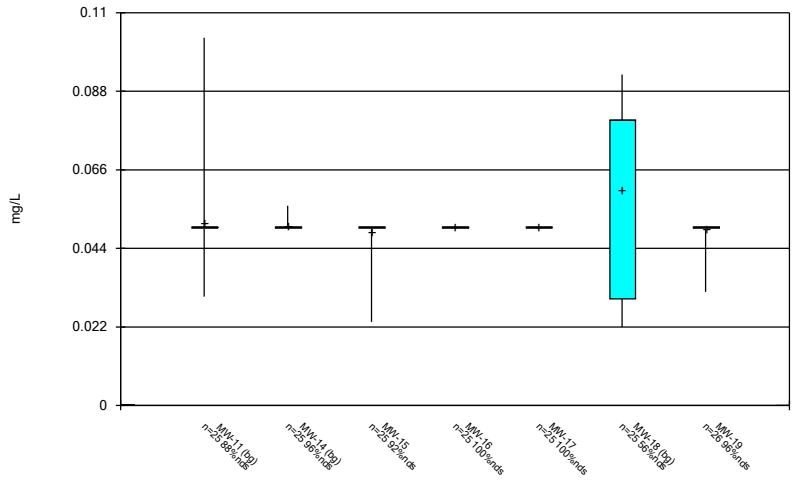
Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-14 (bg)	MW-15	MW-16	MW-17	MW-18 (bg)	MW-19
9/30/2025				31	<10		31

ND substitution: RL or RL/2 if <15% NDs.

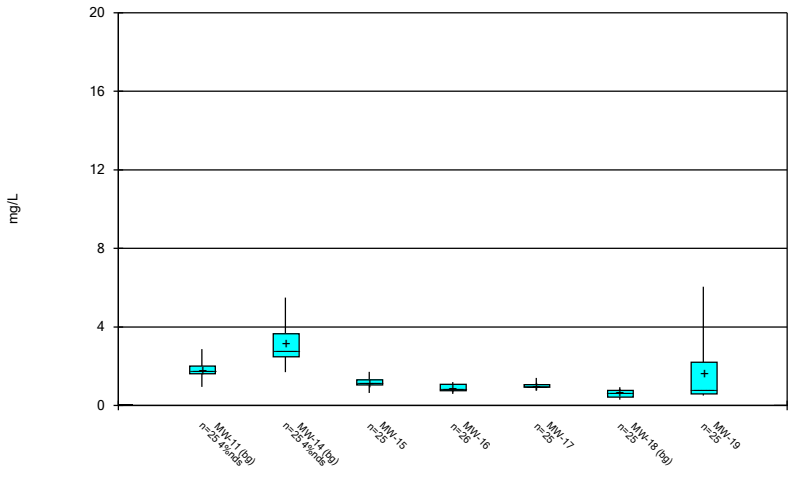
Box Plots

Box & Whiskers Plot



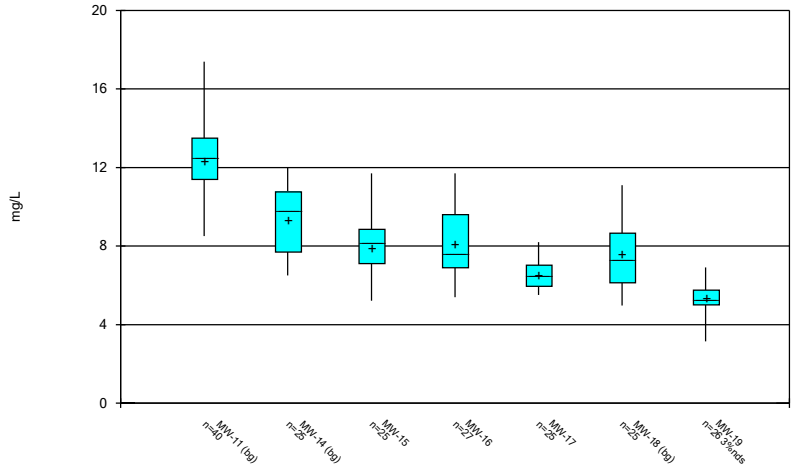
Constituent: Boron Analysis Run 10/29/2025 12:11 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Box & Whiskers Plot



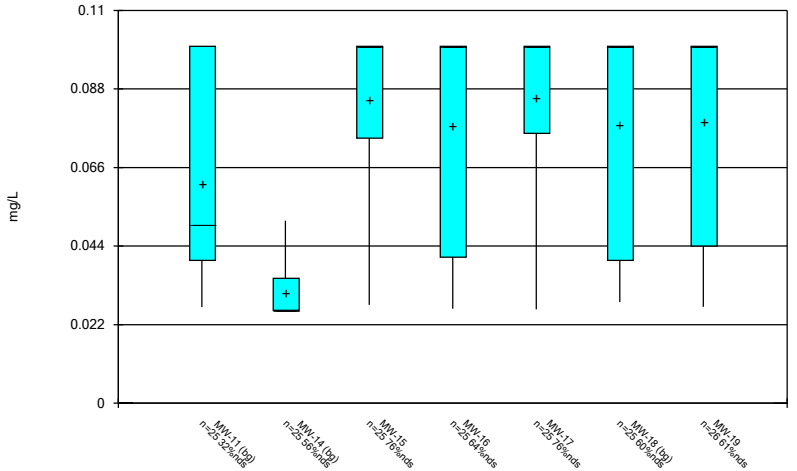
Constituent: Calcium Analysis Run 10/29/2025 12:11 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Box & Whiskers Plot



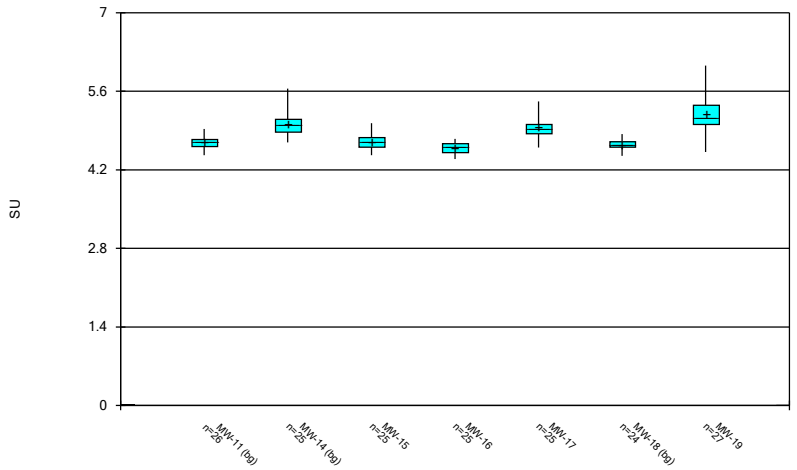
Constituent: Chloride Analysis Run 10/29/2025 12:11 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Box & Whiskers Plot



Constituent: Fluoride Analysis Run 10/29/2025 12:11 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Box & Whiskers Plot



Constituent: pH Analysis Run 10/29/2025 12:11 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

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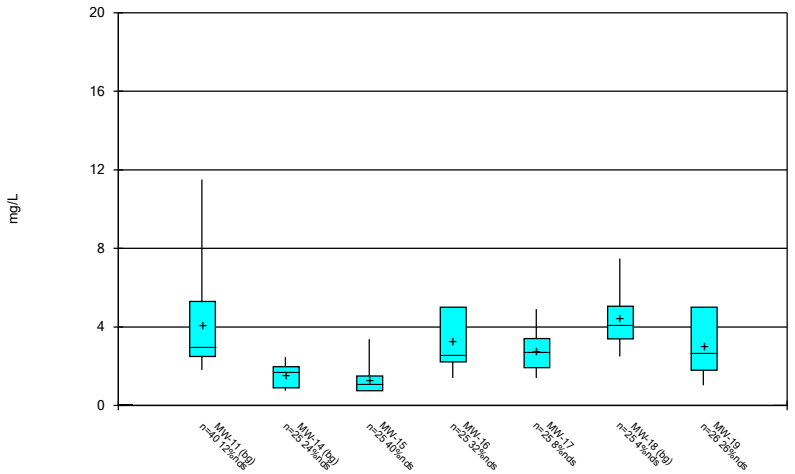
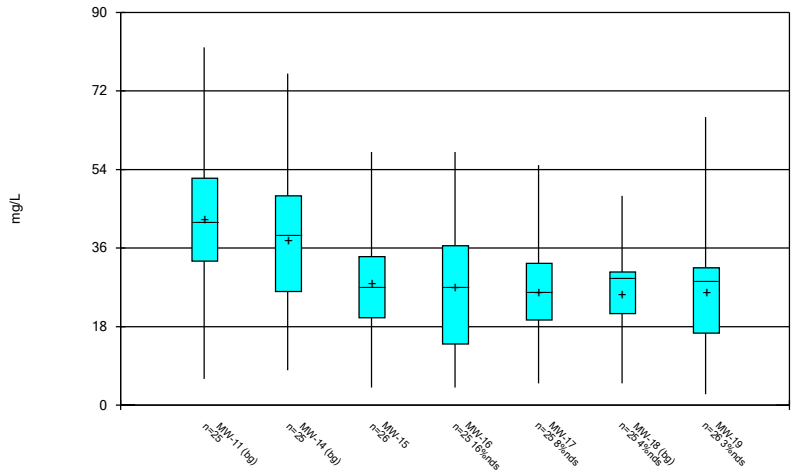
Box & Whiskers Plot



Constituent: Sulfate Analysis Run 10/29/2025 12:11 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:11 PM
Plant Daniel Client: Southern Company Data: NAMU CCR

Outlier Summary

Outlier Summary

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/29/2025, 12:12 PM

	MW-19 Calcium (mg/L)
4/20/2023	15.4 (o)

Prediction Limits - Intrawell

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/29/2025, 12:19 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)	**MW-15**	**1.592**	**n/a**	**9/29/2025**	**1.71**	**Yes**	**21**	**1.133**	**0.2321**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Chloride (mg/L)	**MW-15**	**10.16**	**n/a**	**9/29/2025**	**11.7**	**Yes**	**21**	**7.741**	**1.227**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
pH (SU)	**MW-17**	**5.42**	**4.79**	**9/30/2025**	**4.6**	**Yes**	**21**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.007998**	**NP Intra (normality) 1 of 2**
pH (SU)	**MW-19**	**6.06**	**4.81**	**9/30/2025**	**4.52**	**Yes**	**23**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.006831**	**NP Intra (normality) 1 of 2**
Sulfate (mg/L)	**MW-17**	**3.848**	**n/a**	**9/30/2025**	**4.91**	**Yes**	**21**	**2.469**	**0.698**	**9.524**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/29/2025, 12:19 PM

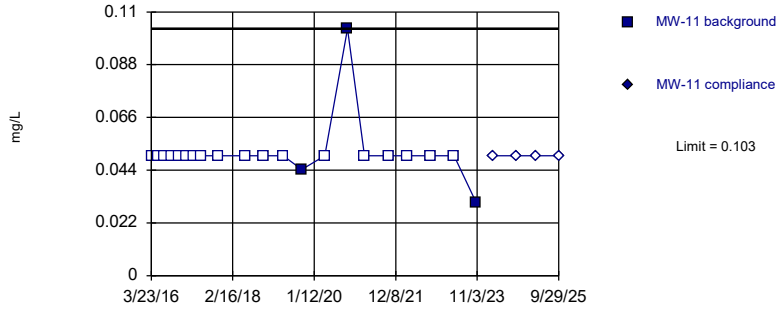
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-11	0.103	n/a	9/29/2025	0.05ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-14	0.0559	n/a	9/29/2025	0.05ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-15	0.05	n/a	9/29/2025	0.05ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-18	0.0927	n/a	9/29/2025	0.0293J	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-19	0.05	n/a	9/30/2025	0.05ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-11	2.14	n/a	9/29/2025	1.41	No	21	11.51	4.784	4.762	None	x^4	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-14	5.45	n/a	9/29/2025	2.9	No	21	1.778	0.2818	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Calcium (mg/L)	**MW-15**	**1.592**	**n/a**	**9/29/2025**	**1.71**	**Yes**	**21**	**1.133**	**0.2321**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Calcium (mg/L)	MW-16	1.249	n/a	9/30/2025	1.18	No	22	0.8682	0.1942	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-17	1.253	n/a	9/30/2025	0.965	No	21	0.9997	0.1281	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-18	0.9961	n/a	9/29/2025	0.706	No	21	0.6266	0.1871	0	None	No	0.00188	Param Intra 1 of 2
Calcium (mg/L)	MW-19	5.84	n/a	9/30/2025	1.01	No	21	n/a	n/a	0	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-11	15.86	n/a	9/29/2025	11.4	No	36	12.44	1.847	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-14	12.24	n/a	9/29/2025	12	No	21	9.109	1.586	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	**MW-15**	**10.16**	**n/a**	**9/29/2025**	**11.7**	**Yes**	**21**	**7.741**	**1.227**	**0**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Chloride (mg/L)	MW-16	11.41	n/a	9/30/2025	9.6	No	23	8.088	1.705	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-17	8.088	n/a	9/30/2025	6.03	No	21	6.617	0.745	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-18	11.41	n/a	9/29/2025	7.27	No	21	7.771	1.844	0	None	No	0.00188	Param Intra 1 of 2
Chloride (mg/L)	MW-19	6.91	n/a	9/30/2025	5.92	No	22	n/a	n/a	4.545	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-11	0.1	n/a	9/29/2025	0.0294J	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-14	0.0511	n/a	9/29/2025	0.0274J	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-15	0.1	n/a	9/29/2025	0.1ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-16	0.1	n/a	9/30/2025	0.1ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-17	0.1	n/a	9/30/2025	0.1ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-18	0.1	n/a	9/29/2025	0.1ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-19	0.1	n/a	9/30/2025	0.1ND	No	22	n/a	n/a	68.18	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
pH (SU)	MW-11	4.897	4.494	9/29/2025	4.76	No	22	4.696	0.1027	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-14	5.464	4.648	9/29/2025	4.69	No	21	1.715	0.0234	0	None	x^(1/3)	0.0009398	Param Intra 1 of 2
pH (SU)	MW-15	4.981	4.434	9/29/2025	4.47	No	21	4.708	0.1383	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	MW-16	4.781	4.402	9/30/2025	4.66	No	21	4.591	0.09588	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	**MW-17**	**5.42**	**4.79**	**9/30/2025**	**4.6**	**Yes**	**21**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.007998**	**NP Intra (normality) 1 of 2**
pH (SU)	MW-18	4.83	4.47	9/29/2025	4.69	No	20	4.65	0.09032	0	None	No	0.0009398	Param Intra 1 of 2
pH (SU)	**MW-19**	**6.06**	**4.81**	**9/30/2025**	**4.52**	**Yes**	**23**	**n/a**	**n/a**	**0**	**n/a**	**n/a**	**0.006831**	**NP Intra (normality) 1 of 2**
Sulfate (mg/L)	MW-11	11.5	n/a	9/29/2025	3.84	No	36	n/a	n/a	13.89	n/a	n/a	0.001429	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-14	2.435	n/a	9/29/2025	1.09	No	21	2.621	1.674	28.57	Kaplan-Meier	x^2	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-15	3.38	n/a	9/29/2025	2.4	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	MW-16	5	n/a	9/30/2025	4.19	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Sulfate (mg/L)	**MW-17**	**3.848**	**n/a**	**9/30/2025**	**4.91**	**Yes**	**21**	**2.469**	**0.698**	**9.524**	**None**	**No**	**0.00188**	**Param Intra 1 of 2**
Sulfate (mg/L)	MW-18	7.288	n/a	9/29/2025	4.64	No	21	2.055	0.3266	4.762	None	sqrt(x)	0.00188	Param Intra 1 of 2
Sulfate (mg/L)	MW-19	5	n/a	9/30/2025	2.28	No	22	n/a	n/a	31.82	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-11	76.45	n/a	9/29/2025	42	No	21	44.86	15.99	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-14	67.05	n/a	9/29/2025	65	No	21	37.62	14.9	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-15	55.48	n/a	9/29/2025	31	No	22	29.09	13.45	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-16	58.33	n/a	9/30/2025	31	No	21	27.1	15.81	14.29	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-17	47.73	n/a	9/30/2025	5ND	No	21	27.38	10.3	4.762	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-18	44.58	n/a	9/29/2025	11	No	21	26.67	9.068	0	None	No	0.00188	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-19	52.09	n/a	9/30/2025	31	No	22	25.89	13.35	4.545	None	No	0.00188	Param Intra 1 of 2

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

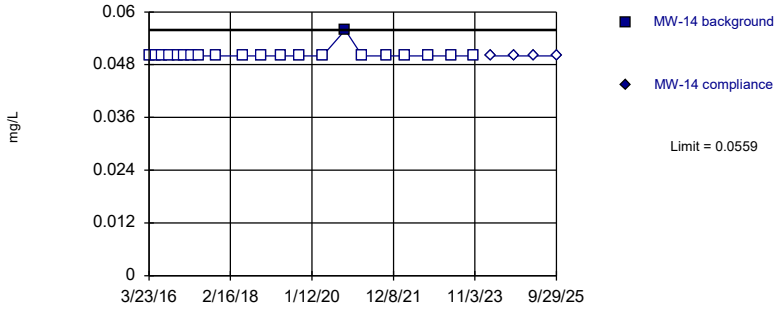
Constituent: Boron Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

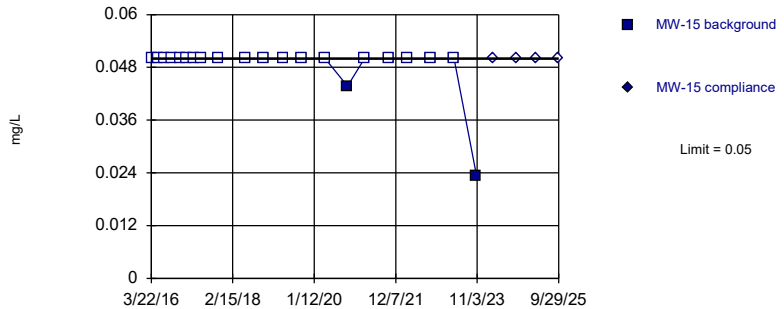
Constituent: Boron Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

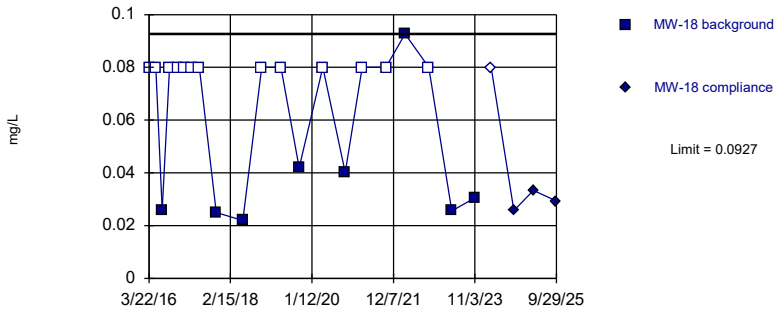
Constituent: Boron Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

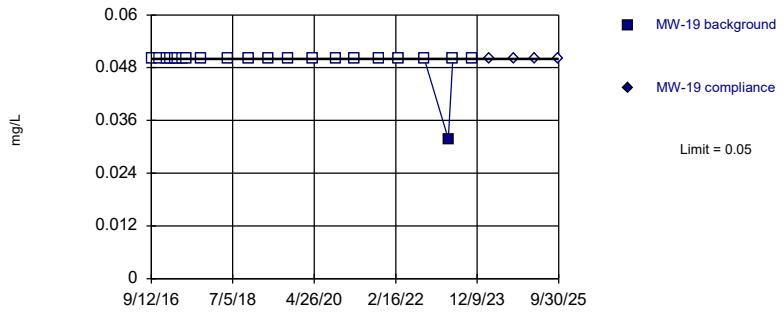
Constituent: Boron Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

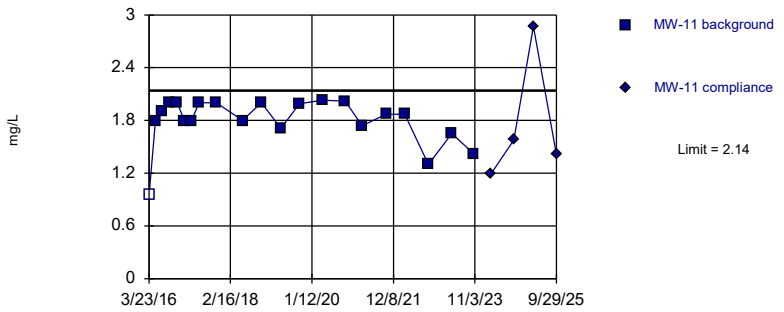
Constituent: Boron Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=11.51, Std. Dev.=4.784, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

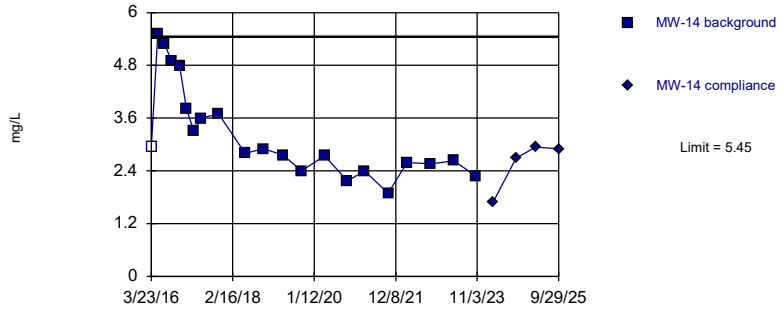
Constituent: Calcium Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.778, Std. Dev.=0.2818, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

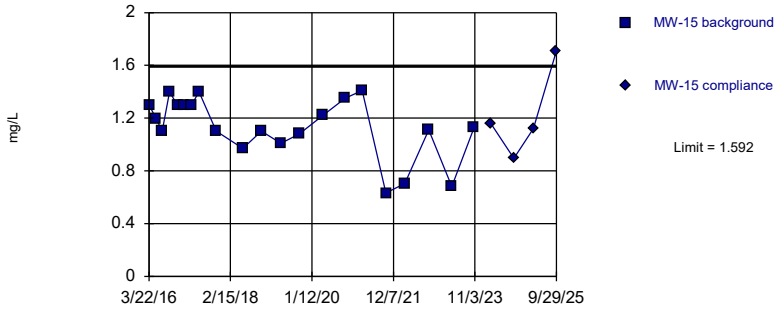
Constituent: Calcium Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



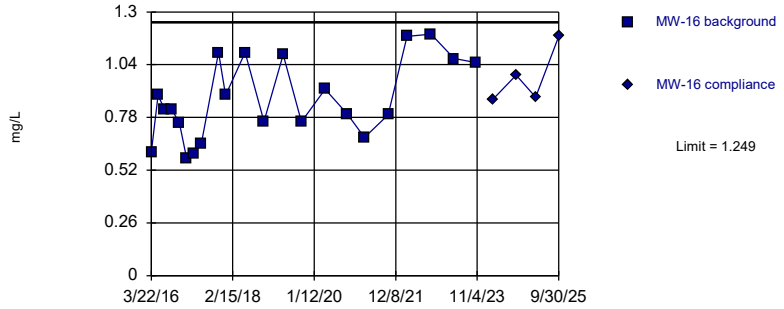
Background Data Summary: Mean=1.133, Std. Dev.=0.2321, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8874, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Calcium Analysis Run 10/29/2025 12:16 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.8682, Std. Dev.=0.1942, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9341, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

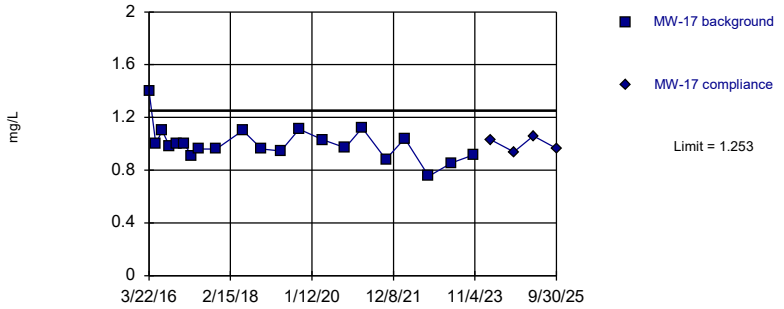
Constituent: Calcium Analysis Run 10/29/2025 12:16 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.9997, Std. Dev.=0.1281, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8942, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

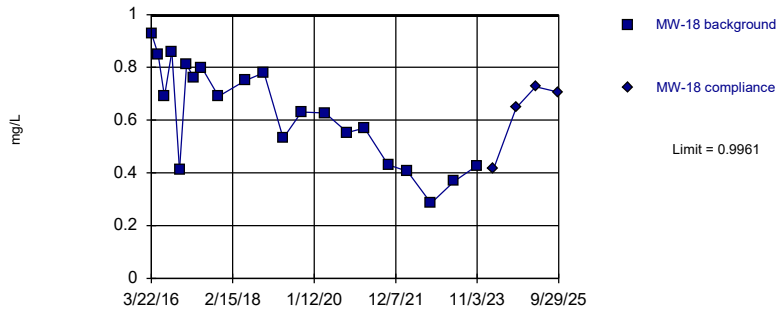
Constituent: Calcium Analysis Run 10/29/2025 12:16 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.6266, Std. Dev.=0.1871, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9556, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

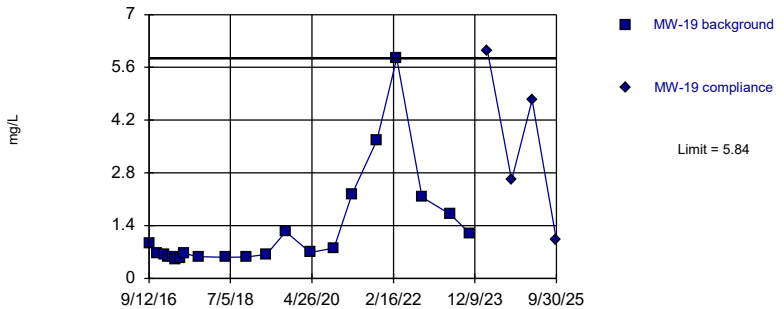
Constituent: Calcium Analysis Run 10/29/2025 12:16 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

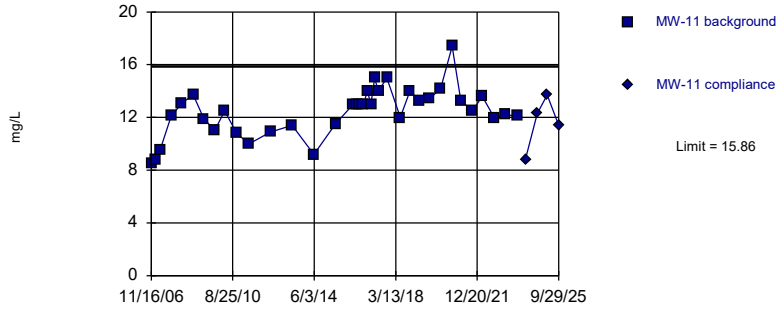
Constituent: Calcium Analysis Run 10/29/2025 12:16 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=12.44, Std. Dev.=1.847, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9673, critical = 0.912. Kappa = 1.852 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

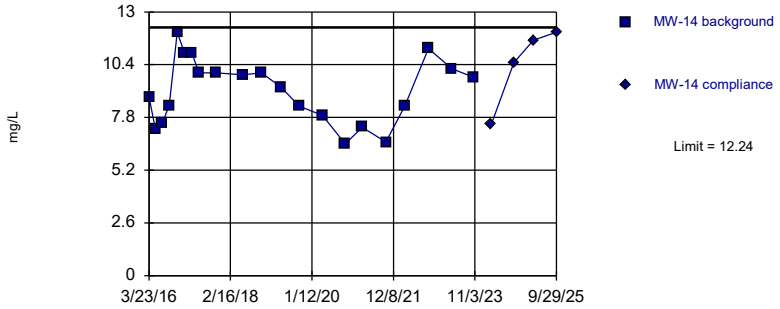
Constituent: Chloride Analysis Run 10/29/2025 12:16 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=9.109, Std. Dev.=1.586, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

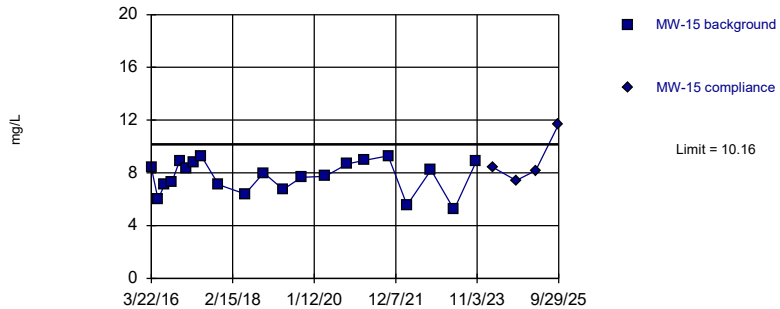
Constituent: Chloride Analysis Run 10/29/2025 12:16 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.741, Std. Dev.=1.227, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9338, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

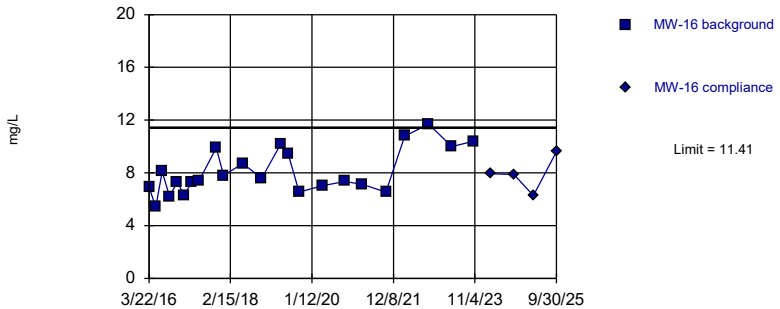
Constituent: Chloride Analysis Run 10/29/2025 12:17 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=8.088, Std. Dev.=1.705, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.881. Kappa = 1.95 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

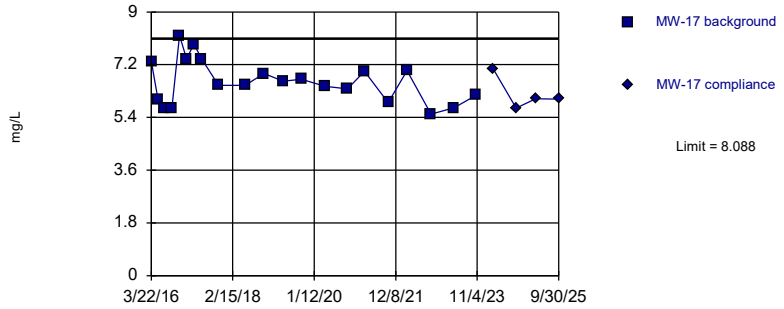
Constituent: Chloride Analysis Run 10/29/2025 12:17 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.617, Std. Dev.=0.745, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9636, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

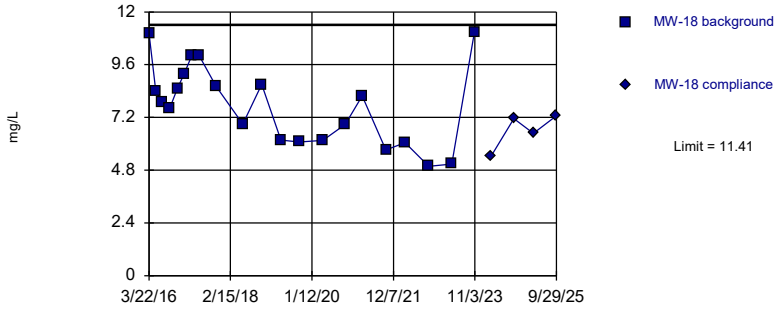
Constituent: Chloride Analysis Run 10/29/2025 12:17 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.771, Std. Dev.=1.844, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Chloride Analysis Run 10/29/2025 12:17 PM View: Intrawell

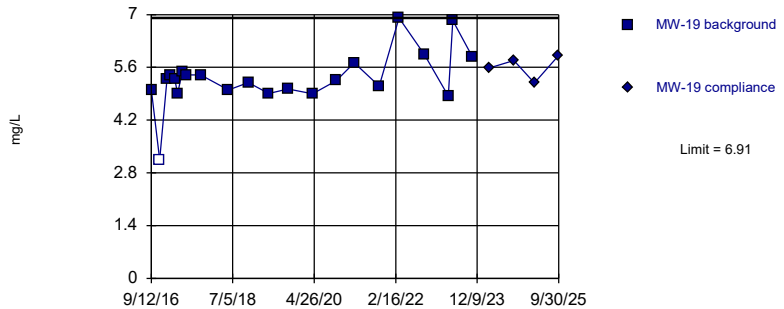
Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 4.545% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Chloride Analysis Run 10/29/2025 12:17 PM View: Intrawell

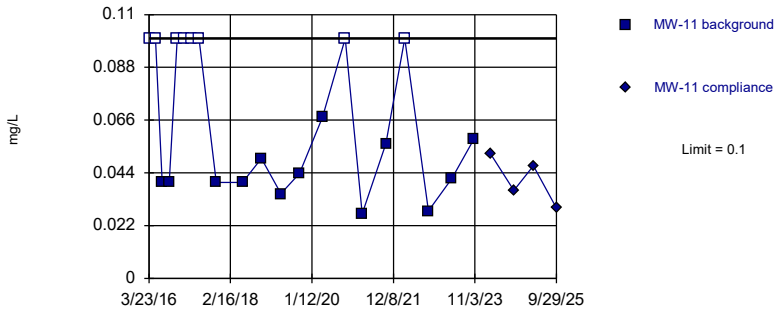
Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Fluoride Analysis Run 10/29/2025 12:17 PM View: Intrawell

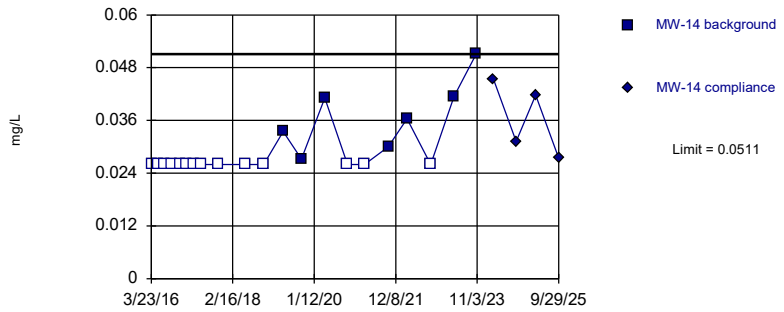
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

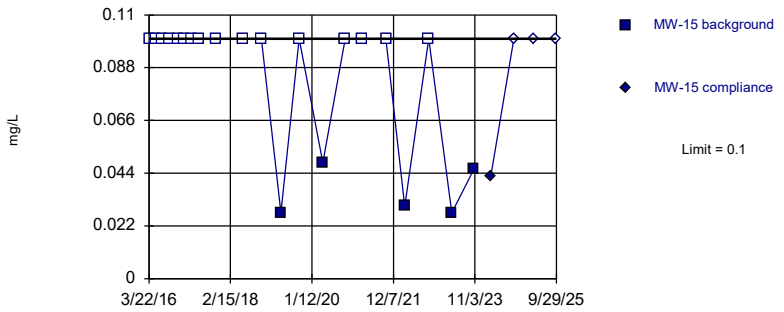
Constituent: Fluoride Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

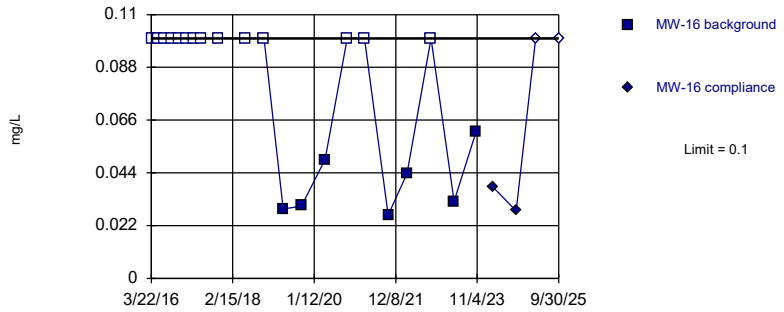
Constituent: Fluoride Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

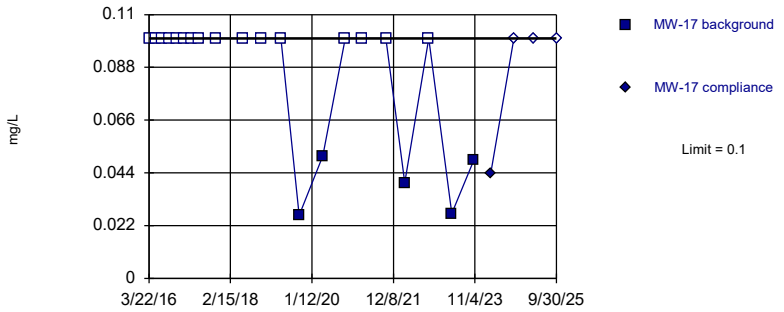
Constituent: Fluoride Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

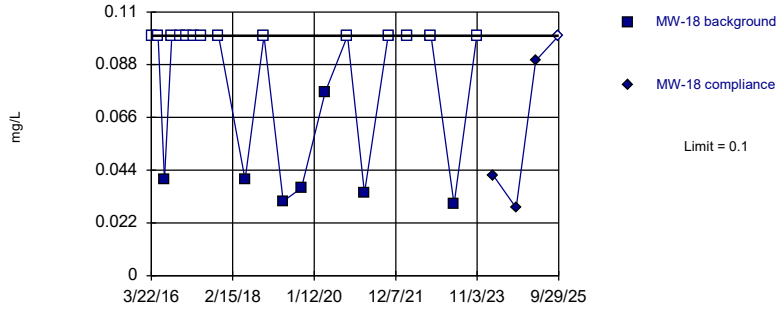
Constituent: Fluoride Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

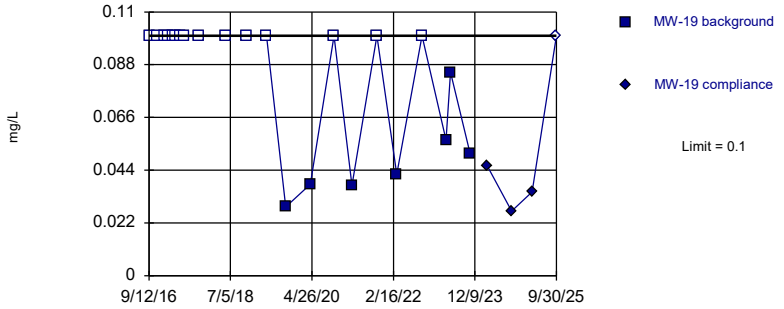
Constituent: Fluoride Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

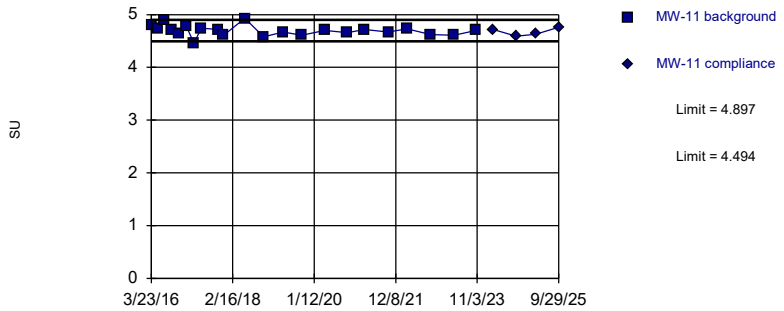
Constituent: Fluoride Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.696, Std. Dev.=0.1027, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

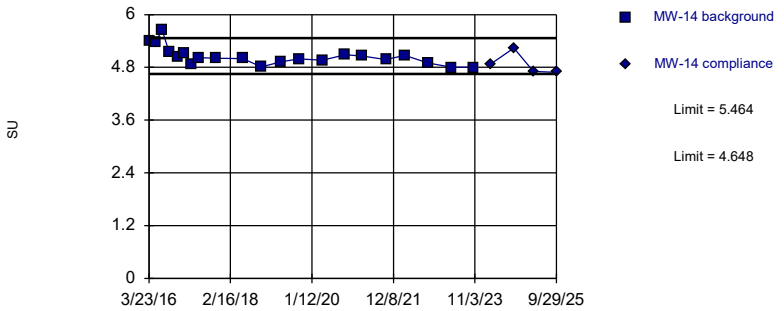
Constituent: pH Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



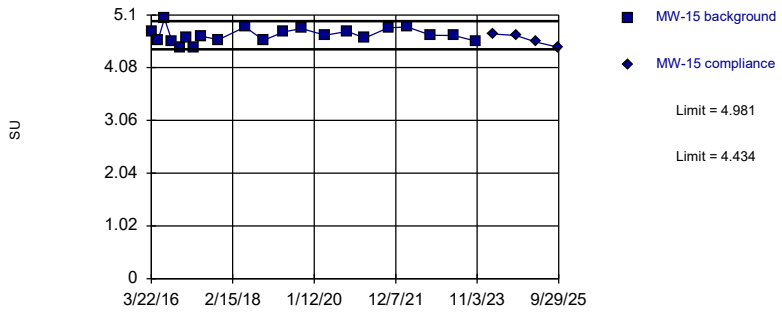
Background Data Summary (based on cube root transformation): Mean=1.715, Std. Dev.=0.0234, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8736, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limits

Prediction Limit

Intrawell Parametric



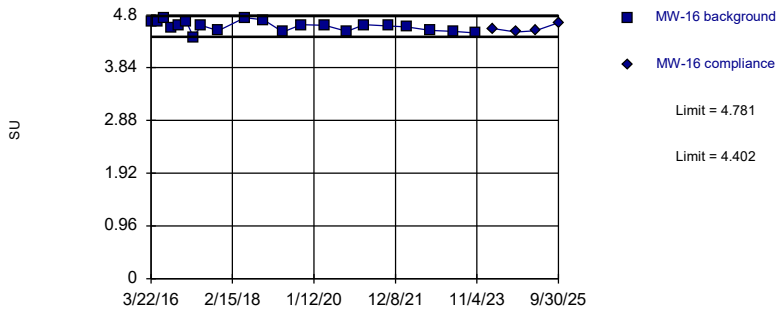
Background Data Summary: Mean=4.708, Std. Dev.=0.1383, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limits

Prediction Limit

Intrawell Parametric



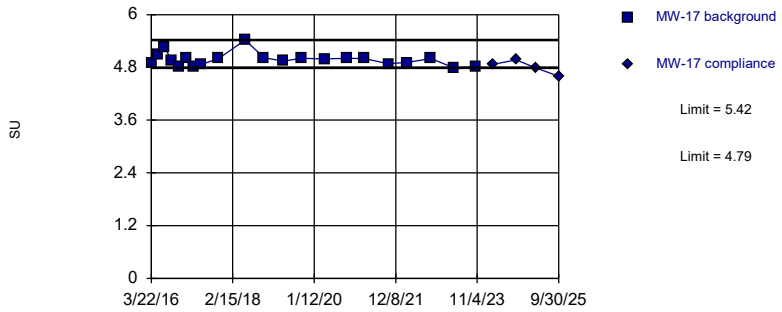
Background Data Summary: Mean=4.591, Std. Dev.=0.09588, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9705, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Exceeds Limits

Prediction Limit

Intrawell Non-parametric



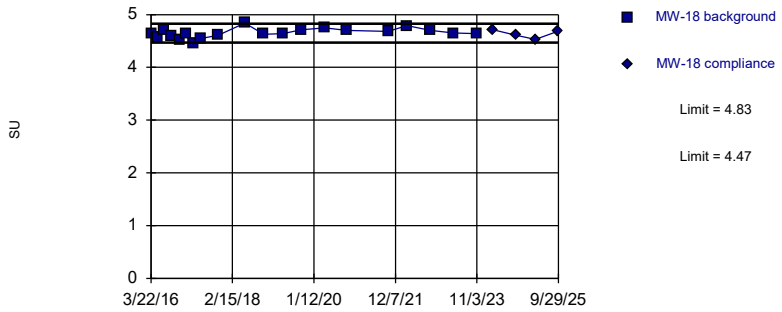
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 21 background values. Well-constituent pair annual alpha = 0.01596. Individual comparison alpha = 0.007998 (1 of 2).

Constituent: pH Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limits

Prediction Limit

Intrawell Parametric



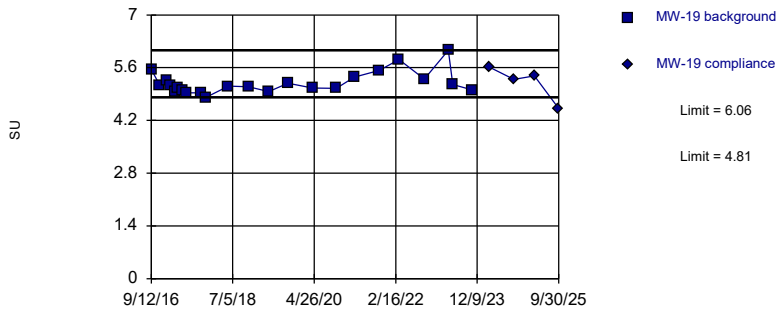
Background Data Summary: Mean=4.65, Std. Dev.=0.09032, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9817, critical = 0.868. Kappa = 1.988 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: pH Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Exceeds Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 23 background values. Well-constituent pair annual alpha = 0.01364. Individual comparison alpha = 0.006831 (1 of 2).

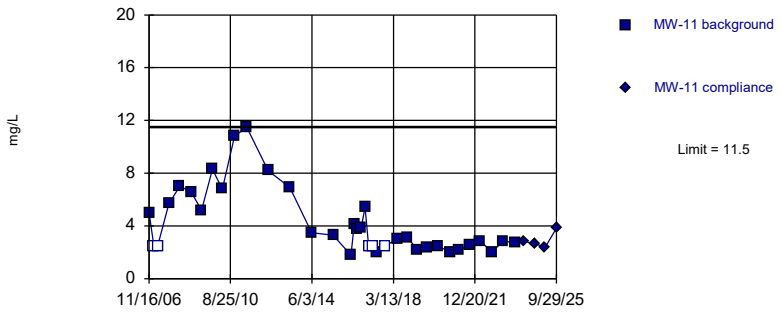
Constituent: pH Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 36 background values. 13.89% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

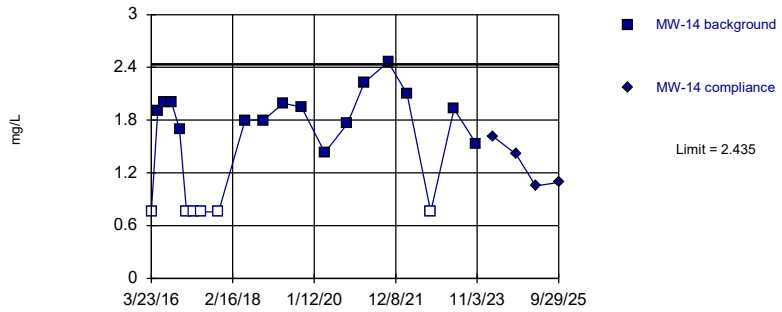
Constituent: Sulfate Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=2.621, Std. Dev.=1.674, n=21, 28.57% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8992, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

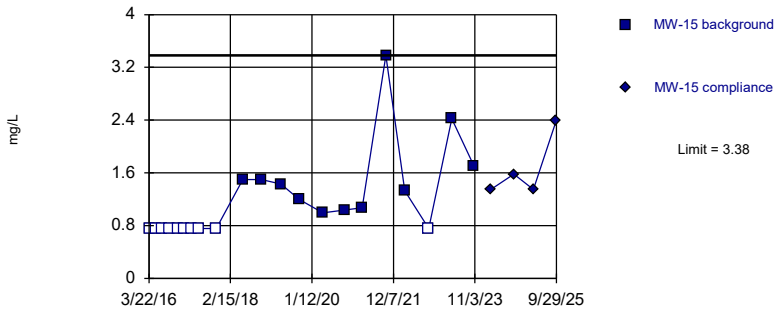
Constituent: Sulfate Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

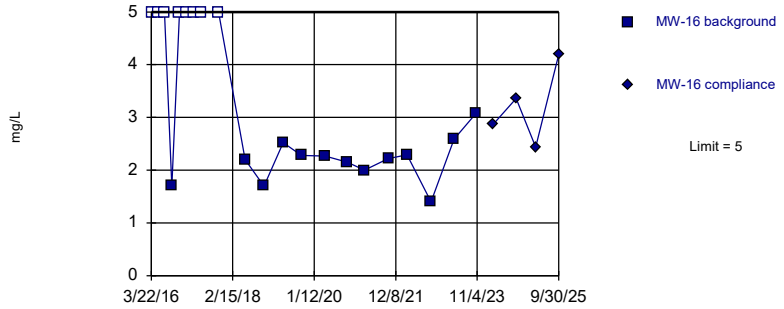
Constituent: Sulfate Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

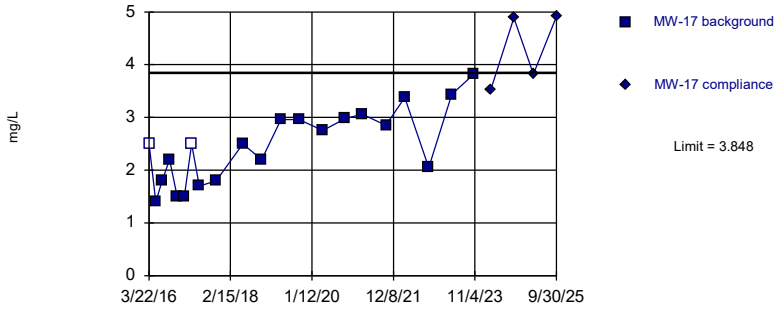
Constituent: Sulfate Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.469, Std. Dev.=0.698, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9623, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

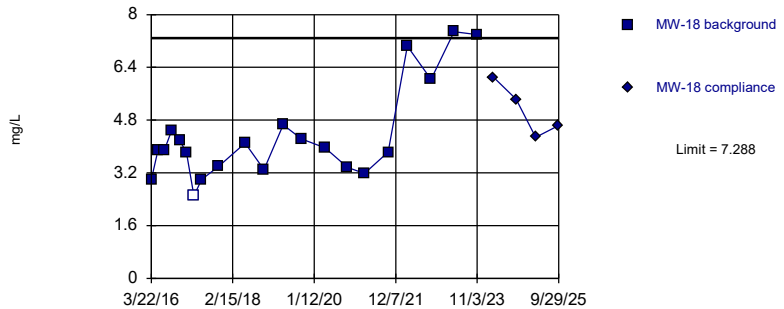
Constituent: Sulfate Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=2.055, Std. Dev.=0.3266, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8734, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

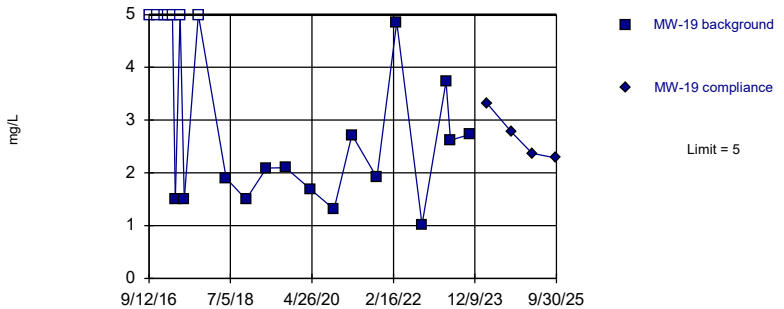
Constituent: Sulfate Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



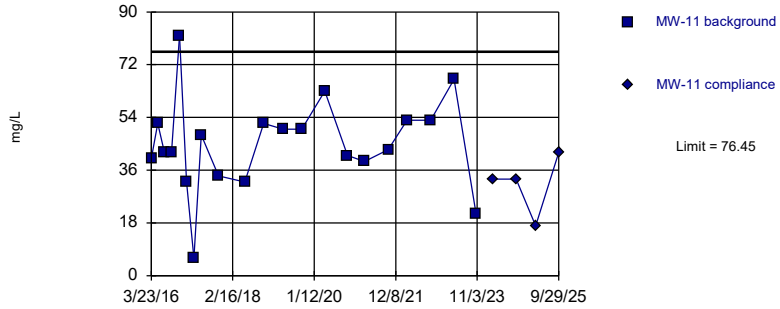
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 31.82% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Sulfate Analysis Run 10/29/2025 12:17 PM View: Intrawell
Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=44.86, Std. Dev.=15.99, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:17 PM View: Intrawell

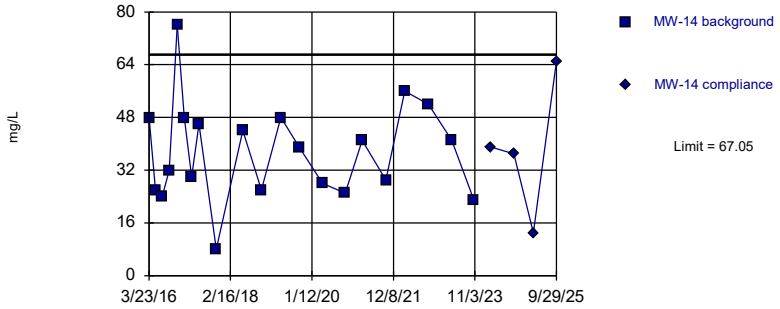
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=37.62, Std. Dev.=14.9, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9537, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:17 PM View: Intrawell

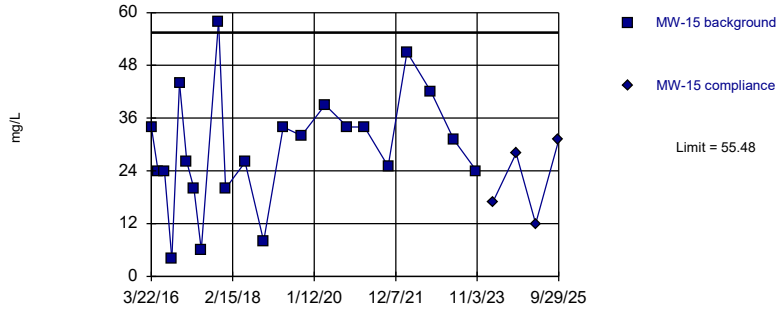
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=29.09, Std. Dev.=13.45, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9667, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:17 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

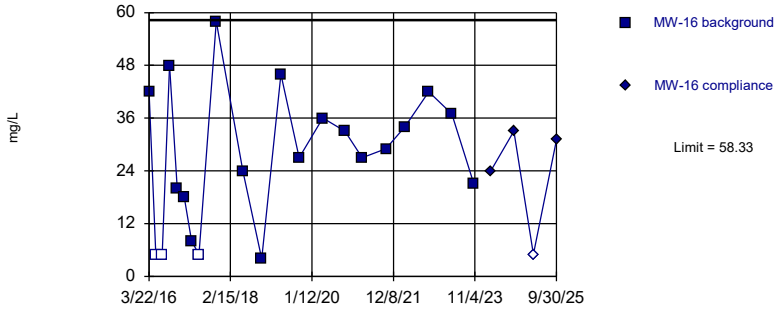
Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=27.1, Std. Dev.=15.81, n=21, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9539, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:17 PM View: Intrawell

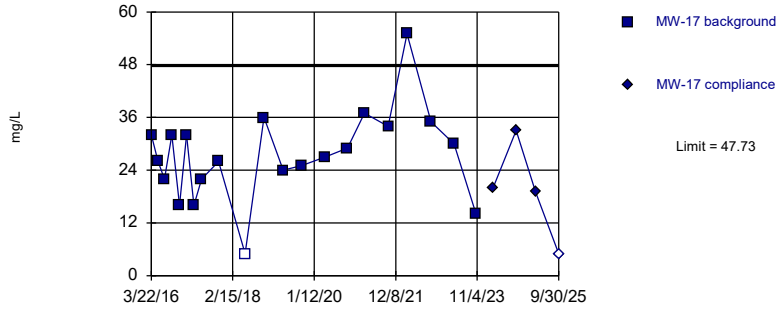
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=27.38, Std. Dev.=10.3, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.951, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:17 PM View: Intrawell

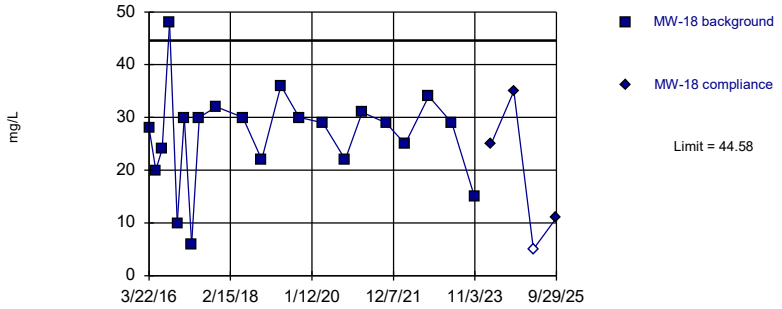
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=26.67, Std. Dev.=9.068, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.928, critical = 0.873. Kappa = 1.975 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:17 PM View: Intrawell

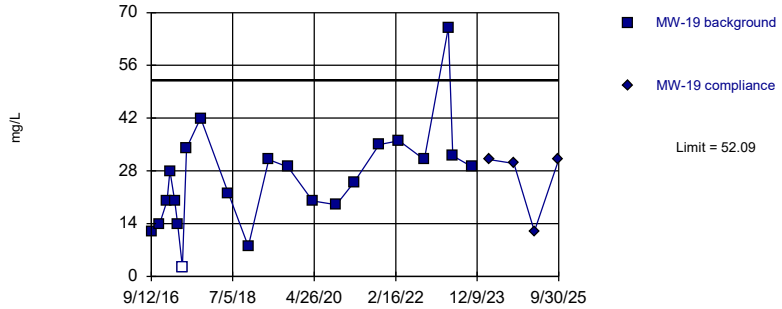
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=25.89, Std. Dev.=13.35, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9302, critical = 0.878. Kappa = 1.962 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.00188.

Constituent: Total Dissolved Solids Analysis Run 10/29/2025 12:17 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/29/2025 12:19 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	<0.05 (B1)	
5/18/2016	<0.05	
7/12/2016	<0.05	
9/12/2016	<0.05	
11/18/2016	<0.05	
1/19/2017	<0.05	
3/22/2017	<0.05	
5/24/2017	<0.05	
10/17/2017	<0.05	
5/31/2018	<0.05	
11/7/2018	<0.05	
4/22/2019	<0.05	
9/27/2019	0.0443 (J)	
4/13/2020	<0.05	
10/22/2020	0.103	
3/16/2021	<0.05	
10/5/2021	<0.05	
3/15/2022	<0.05	
10/4/2022	<0.05	
4/19/2023	<0.05	
10/27/2023	0.0305 (J)	
3/18/2024		<0.05
9/30/2024		<0.05
3/18/2025		<0.05
9/29/2025		<0.05

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/29/2025 12:19 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<0.05 (B1)	
5/18/2016	<0.05	
7/12/2016	<0.05	
9/12/2016	<0.05	
11/19/2016	<0.05	
1/18/2017	<0.05	
3/22/2017	<0.05	
5/24/2017	<0.05	
10/17/2017	<0.05	
6/1/2018	<0.05	
11/7/2018	<0.05	
4/23/2019	<0.05	
9/26/2019	<0.05	
4/13/2020	<0.05	
10/22/2020	0.0559 (J)	
3/16/2021	<0.05	
10/5/2021	<0.05	
3/15/2022	<0.05	
10/4/2022	<0.05	
4/19/2023	<0.05	
10/27/2023	<0.05	
3/20/2024		<0.05
9/30/2024		<0.05
3/17/2025		<0.05
9/29/2025		<0.05

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/29/2025 12:19 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	<0.05 (B1)	
5/18/2016	<0.05	
7/12/2016	<0.05	
9/12/2016	<0.05	
11/19/2016	<0.05	
1/19/2017	<0.05	
3/21/2017	<0.05	
5/23/2017	<0.05	
10/17/2017	<0.05	
6/1/2018	<0.05	
11/7/2018	<0.05	
4/23/2019	<0.05	
9/26/2019	<0.05	
4/13/2020	<0.05	
10/22/2020	0.0437 (J)	
3/16/2021	<0.05	
10/5/2021	<0.05	
3/15/2022	<0.05	
10/4/2022	<0.05	
4/19/2023	<0.05	
10/27/2023	0.0234 (J)	
3/19/2024		<0.05
9/30/2024		<0.05
3/17/2025		<0.05
9/29/2025		<0.05

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/29/2025 12:19 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	<0.08 (B1)	
5/18/2016	<0.08	
7/12/2016	0.026 (J)	
9/12/2016	<0.08	
11/18/2016	<0.08	
1/18/2017	<0.08	
3/21/2017	<0.08	
5/24/2017	<0.08	
10/17/2017	0.025 (J)	
5/31/2018	0.022 (J)	
11/8/2018	<0.08	
4/22/2019	<0.08	
9/26/2019	0.042 (J)	
4/14/2020	<0.08	
10/22/2020	0.0401 (J)	
3/16/2021	<0.08	
10/5/2021	<0.08	
3/16/2022	0.0927	
10/5/2022	<0.08	
4/19/2023	0.0256 (J)	
10/30/2023	0.0304 (J)	
3/20/2024		<0.08
10/1/2024		0.0257 (J)
3/17/2025		0.0334 (J)
9/29/2025		0.0293 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	<0.05	
11/18/2016	<0.05	
1/18/2017	<0.05	
2/10/2017	<0.05	
3/21/2017	<0.05	
4/14/2017	<0.05	
5/23/2017	<0.05	
6/26/2017	<0.05	
10/17/2017	<0.05	
5/31/2018	<0.05	
11/8/2018	<0.05	
4/22/2019	<0.05	
9/26/2019	<0.05	
4/13/2020	<0.05	
10/21/2020	<0.05	
3/16/2021	<0.05	
10/5/2021	<0.05	
3/15/2022	<0.05	
10/5/2022	<0.05	
4/20/2023	0.0318 (J)	
5/24/2023	<0.05	
10/30/2023	<0.05	
3/19/2024		<0.05
10/1/2024		<0.05
3/18/2025		<0.05
9/30/2025		<0.05

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	<1.9 (*)	
5/18/2016	1.8	
7/12/2016	1.9	
9/12/2016	2	
11/18/2016	2	
1/19/2017	1.8	
3/22/2017	1.8	
5/24/2017	2	
10/17/2017	2	
5/31/2018	1.8	
11/7/2018	2	
4/22/2019	1.71	
9/27/2019	1.99	
4/13/2020	2.03	
10/22/2020	2.02	
3/16/2021	1.74	
10/5/2021	1.87	
3/15/2022	1.87	
10/4/2022	1.3	
4/19/2023	1.65	
10/27/2023	1.42	
3/18/2024		1.19
9/30/2024		1.58
3/18/2025		2.87
9/29/2025		1.41

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<5.9 (*)	
5/18/2016	5.5	
7/12/2016	5.3	
9/12/2016	4.9	
11/19/2016	4.8	
1/18/2017	3.8	
3/22/2017	3.3	
5/24/2017	3.6	
10/17/2017	3.7	
6/1/2018	2.8	
11/7/2018	2.9	
4/23/2019	2.76	
9/26/2019	2.4	
4/13/2020	2.74	
10/22/2020	2.17	
3/16/2021	2.4	
10/5/2021	1.89	
3/15/2022	2.59	
10/4/2022	2.56	
4/19/2023	2.63	
10/27/2023	2.28	
3/20/2024		1.7
9/30/2024		2.69
3/17/2025		2.94
9/29/2025		2.9

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	1.3 (B1)	
5/18/2016	1.2	
7/12/2016	1.1	
9/12/2016	1.4	
11/19/2016	1.3	
1/19/2017	1.3	
3/21/2017	1.3	
5/23/2017	1.4	
10/17/2017	1.1	
6/1/2018	0.97	
11/7/2018	1.1	
4/23/2019	1.01	
9/26/2019	1.08	
4/13/2020	1.22	
10/22/2020	1.35	
3/16/2021	1.41	
10/5/2021	0.632	
3/15/2022	0.703	
10/4/2022	1.11	
4/19/2023	0.682	
10/27/2023	1.13	
3/19/2024		1.16
9/30/2024		0.896
3/17/2025		1.12
9/29/2025		1.71

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	0.61 (B1)	
5/18/2016	0.89	
7/11/2016	0.82	
9/13/2016	0.82	
11/17/2016	0.75	
1/18/2017	0.58	
3/21/2017	0.6	
5/23/2017	0.65	
10/17/2017	1.1	
12/15/2017	0.89 (RS)	
5/31/2018	1.1	
11/8/2018	0.76	
4/22/2019	1.09	
9/26/2019	0.758	
4/14/2020	0.92	
10/21/2020	0.798	
3/16/2021	0.681	
10/5/2021	0.793	
3/15/2022	1.18	
10/5/2022	1.19	
4/20/2023	1.07	
10/27/2023	1.05	
3/19/2024		0.87
10/1/2024		0.988
3/17/2025		0.879
9/30/2025		1.18

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	1.4 (B1)	
5/18/2016	1	
7/12/2016	1.1	
9/12/2016	0.98	
11/18/2016	1	
1/18/2017	1	
3/21/2017	0.91	
5/24/2017	0.96	
10/17/2017	0.96	
5/31/2018	1.1	
11/8/2018	0.96	
4/22/2019	0.946	
9/26/2019	1.11	
4/13/2020	1.03	
10/22/2020	0.969	
3/16/2021	1.12	
10/5/2021	0.883	
3/16/2022	1.04	
10/5/2022	0.755	
4/20/2023	0.855	
10/27/2023	0.916	
3/19/2024		1.03
10/1/2024		0.939
3/17/2025		1.06
9/30/2025		0.965

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	0.93 (B1)	
5/18/2016	0.85	
7/12/2016	0.69	
9/12/2016	0.86	
11/18/2016	0.41	
1/18/2017	0.81	
3/21/2017	0.76	
5/24/2017	0.8	
10/17/2017	0.69	
5/31/2018	0.75	
11/8/2018	0.78	
4/22/2019	0.531	
9/26/2019	0.631	
4/14/2020	0.627	
10/22/2020	0.553	
3/16/2021	0.57	
10/5/2021	0.43 (J)	
3/16/2022	0.406 (J)	
10/5/2022	0.285 (J)	
4/19/2023	0.368 (J)	
10/30/2023	0.427 (J)	
3/20/2024		0.414 (J)
10/1/2024		0.647
3/17/2025		0.727
9/29/2025		0.706

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	0.92	
11/18/2016	0.68	
1/18/2017	0.64	
2/10/2017	0.58	
3/21/2017	0.56	
4/14/2017	0.51	
5/23/2017	0.54	
6/26/2017	0.66	
10/17/2017	0.58	
5/31/2018	0.56	
11/8/2018	0.57	
4/22/2019	0.634	
9/26/2019	1.24	
4/13/2020	0.687	
10/21/2020	0.806	
3/16/2021	2.23	
10/5/2021	3.67	
3/15/2022	5.84	
10/5/2022	2.16	
4/20/2023	15.4 (o)	
5/24/2023	1.7	
10/30/2023	1.19	
3/19/2024		6.05
10/1/2024		2.61
3/18/2025		4.74
9/30/2025		1.01

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
11/16/2006	8.5	
2/5/2007	8.8	
4/12/2007	9.5	
10/17/2007	12.1	
4/17/2008	13.1	
10/24/2008	13.7	
4/21/2009	11.9	
10/26/2009	11	
4/12/2010	12.5	
10/30/2010	10.8	
5/25/2011	10	
5/25/2012	10.9	
5/28/2013	11.4	
5/31/2014	9.2	
5/29/2015	11.5	
3/23/2016	13	
5/18/2016	13	
7/12/2016	13	
9/12/2016	13	
11/18/2016	14	
1/19/2017	13	
3/22/2017	15	
5/24/2017	14	
10/17/2017	15	
5/31/2018	12	
11/7/2018	14	
4/22/2019	13.3	
9/27/2019	13.4	
4/13/2020	14.2	
10/22/2020	17.4	
3/16/2021	13.3	
10/5/2021	12.5	
3/15/2022	13.6	
10/4/2022	12	
4/19/2023	12.2	
10/27/2023	12.1	
3/18/2024		8.82
9/30/2024		12.3
3/18/2025		13.7
9/29/2025		11.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	8.8 (B1)	
5/18/2016	7.2	
7/12/2016	7.5	
9/12/2016	8.4	
11/19/2016	12	
1/18/2017	11	
3/22/2017	11	
5/24/2017	10	
10/17/2017	10	
6/1/2018	9.9	
11/7/2018	10	
4/23/2019	9.3	
9/26/2019	8.35	
4/13/2020	7.9	
10/22/2020	6.5	
3/16/2021	7.32	
10/5/2021	6.59	
3/15/2022	8.36	
10/4/2022	11.2	
4/19/2023	10.2	
10/27/2023	9.77	
3/20/2024		7.44
9/30/2024		10.5
3/17/2025		11.6
9/29/2025		12

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	8.4 (B1)	
5/18/2016	6	
7/12/2016	7.1	
9/12/2016	7.3	
11/19/2016	8.9	
1/19/2017	8.3	
3/21/2017	8.8	
5/23/2017	9.3	
10/17/2017	7.1	
6/1/2018	6.4	
11/7/2018	8	
4/23/2019	6.75	
9/26/2019	7.66	
4/13/2020	7.74	
10/22/2020	8.69	
3/16/2021	8.94	
10/5/2021	9.3	
3/15/2022	5.55	
10/4/2022	8.22	
4/19/2023	5.21	
10/27/2023	8.9	
3/19/2024		8.42
9/30/2024		7.42
3/17/2025		8.17
9/29/2025		11.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	6.9 (B1)	
5/18/2016	5.4	
7/11/2016	8.1	
9/13/2016	6.2	
11/17/2016	7.3	
1/18/2017	6.3	
3/21/2017	7.3	
5/23/2017	7.4	
10/17/2017	9.9	
12/19/2017	7.8 (RS)	
5/31/2018	8.7	
11/8/2018	7.6	
4/22/2019	10.2	
6/25/2019	9.4	
9/26/2019	6.54	
4/14/2020	7.03	
10/21/2020	7.36	
3/16/2021	7.14	
10/5/2021	6.55	
3/15/2022	10.8	
10/5/2022	11.7	
4/20/2023	10	
10/27/2023	10.4	
3/19/2024		7.92
10/1/2024		7.89
3/17/2025		6.28
9/30/2025		9.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	7.3 (B1)	
5/18/2016	6	
7/12/2016	5.7	
9/12/2016	5.7	
11/18/2016	8.2	
1/18/2017	7.4	
3/21/2017	7.9	
5/24/2017	7.4	
10/17/2017	6.5	
5/31/2018	6.5	
11/8/2018	6.9	
4/22/2019	6.64	
9/26/2019	6.7	
4/13/2020	6.46	
10/22/2020	6.37	
3/16/2021	6.97	
10/5/2021	5.91	
3/16/2022	7	
10/5/2022	5.51	
4/20/2023	5.73	
10/27/2023	6.16	
3/19/2024		7.06
10/1/2024		5.72
3/17/2025		6.04
9/30/2025		6.03

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	11 (B1)	
5/18/2016	8.4	
7/12/2016	7.9	
9/12/2016	7.6	
11/18/2016	8.5	
1/18/2017	9.2	
3/21/2017	10	
5/24/2017	10	
10/17/2017	8.6	
5/31/2018	6.9	
11/8/2018	8.7	
4/22/2019	6.17	
9/26/2019	6.09	
4/14/2020	6.15	
10/22/2020	6.89	
3/16/2021	8.18	
10/5/2021	5.72	
3/16/2022	6.05	
10/5/2022	4.97	
4/19/2023	5.08	
10/30/2023	11.1	
3/20/2024		5.44
10/1/2024		7.15
3/17/2025		6.48
9/29/2025		7.27

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	5	
11/18/2016	<6.3 (*)	
1/18/2017	5.3	
2/10/2017	5.4	
3/21/2017	5.3	
4/14/2017	4.9 (B)	
5/23/2017	5.5	
6/26/2017	5.4	
10/17/2017	5.4	
5/31/2018	5	
11/8/2018	5.2	
4/22/2019	4.91	
9/26/2019	5.03	
4/13/2020	4.9	
10/21/2020	5.25	
3/16/2021	5.72	
10/5/2021	5.1	
3/15/2022	6.91	
10/5/2022	5.94	
4/20/2023	4.84	
5/24/2023	6.84	
10/30/2023	5.88	
3/19/2024		5.59
10/1/2024		5.78
3/18/2025		5.19
9/30/2025		5.92

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	<0.1	
5/18/2016	<0.1	
7/12/2016	0.04 (J)	
9/12/2016	0.04 (J)	
11/18/2016	<0.1	
1/19/2017	<0.1	
3/22/2017	<0.1	
5/24/2017	<0.1	
10/17/2017	0.04 (J)	
5/31/2018	0.04 (J)	
11/7/2018	0.05 (J)	
4/22/2019	0.0353 (J)	
9/27/2019	0.0438 (J)	
4/13/2020	0.0672 (J)	
10/22/2020	<0.1	
3/16/2021	0.0269 (J)	
10/5/2021	0.0561 (J)	
3/15/2022	<0.1	
10/4/2022	0.0281 (J)	
4/19/2023	0.0416 (J)	
10/27/2023	0.058 (J)	
3/18/2024		0.0518 (J)
9/30/2024		0.0367 (J)
3/18/2025		0.0469 (J)
9/29/2025		0.0294 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<0.026 (B1)	
5/18/2016	<0.026	
7/12/2016	<0.026	
9/12/2016	<0.026	
11/19/2016	<0.026	
1/18/2017	<0.026	
3/22/2017	<0.026	
5/24/2017	<0.026	
10/17/2017	<0.026	
6/1/2018	<0.026	
11/7/2018	<0.026	
4/23/2019	0.0335 (J)	
9/26/2019	0.0272 (J)	
4/13/2020	0.0411 (J)	
10/22/2020	<0.026	
3/16/2021	<0.026	
10/5/2021	0.03 (J)	
3/15/2022	0.0364 (J)	
10/4/2022	<0.026	
4/19/2023	0.0415 (J)	
10/27/2023	0.0511 (J)	
3/20/2024		0.0454 (J)
9/30/2024		0.0312 (J)
3/17/2025		0.0418 (J)
9/29/2025		0.0274 (J)

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/12/2016	<0.1	
9/12/2016	<0.1	
11/19/2016	<0.1	
1/19/2017	<0.1	
3/21/2017	<0.1	
5/23/2017	<0.1	
10/17/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/23/2019	0.0275 (J)	
9/26/2019	<0.1	
4/13/2020	0.0484 (J)	
10/22/2020	<0.1	
3/16/2021	<0.1	
10/5/2021	<0.1	
3/15/2022	0.0302 (J)	
10/4/2022	<0.1	
4/19/2023	0.0275 (J)	
10/27/2023	0.0459 (J)	
3/19/2024		0.0428 (J)
9/30/2024		<0.1
3/17/2025		<0.1
9/29/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/18/2017	<0.1	
3/21/2017	<0.1	
5/23/2017	<0.1	
10/17/2017	<0.1	
5/31/2018	<0.1	
11/8/2018	<0.1	
4/22/2019	0.029 (J)	
9/26/2019	0.0302 (J)	
4/14/2020	0.0496 (J)	
10/21/2020	<0.1	
3/16/2021	<0.1	
10/5/2021	0.0264 (J)	
3/15/2022	0.0438 (J)	
10/5/2022	<0.1	
4/20/2023	0.0322 (J)	
10/27/2023	0.0612 (J)	
3/19/2024		0.038 (J)
10/1/2024		0.0282 (J)
3/17/2025		<0.1
9/30/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/12/2016	<0.1	
9/12/2016	<0.1	
11/18/2016	<0.1	
1/18/2017	<0.1	
3/21/2017	<0.1	
5/24/2017	<0.1	
10/17/2017	<0.1	
5/31/2018	<0.1	
11/8/2018	<0.1	
4/22/2019	<0.1	
9/26/2019	0.0263 (J)	
4/13/2020	0.0511 (J)	
10/22/2020	<0.1	
3/16/2021	<0.1	
10/5/2021	<0.1	
3/16/2022	0.0399 (J)	
10/5/2022	<0.1	
4/20/2023	0.0271 (J)	
10/27/2023	0.0494 (J)	
3/19/2024		0.044 (J)
10/1/2024		<0.1
3/17/2025		<0.1
9/30/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	<0.1 (B1)	
5/18/2016	<0.1	
7/12/2016	0.04 (J)	
9/12/2016	<0.1	
11/18/2016	<0.1	
1/18/2017	<0.1	
3/21/2017	<0.1	
5/24/2017	<0.1	
10/17/2017	<0.1	
5/31/2018	0.04 (J)	
11/8/2018	<0.1	
4/22/2019	0.0311 (J)	
9/26/2019	0.0366 (J)	
4/14/2020	0.0764 (J)	
10/22/2020	<0.1	
3/16/2021	0.0344 (J)	
10/5/2021	<0.1	
3/16/2022	<0.1	
10/5/2022	<0.1	
4/19/2023	0.0297 (J)	
10/30/2023	<0.1	
3/20/2024		0.0417 (J)
10/1/2024		0.0283 (J)
3/17/2025		0.0897 (J)
9/29/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	<0.1	
11/18/2016	<0.1	
1/18/2017	<0.1	
2/10/2017	<0.1	
3/21/2017	<0.1	
4/14/2017	<0.1	
5/23/2017	<0.1	
6/26/2017	<0.1	
10/17/2017	<0.1	
5/31/2018	<0.1	
11/8/2018	<0.1	
4/22/2019	<0.1	
9/26/2019	0.0287 (J)	
4/13/2020	0.0382 (J)	
10/21/2020	<0.1	
3/16/2021	0.0376 (J)	
10/5/2021	<0.1	
3/15/2022	0.0423 (J)	
10/5/2022	<0.1	
4/20/2023	0.0566 (J)	
5/24/2023	0.0849 (J)	
10/30/2023	0.0511 (J)	
3/19/2024		0.0458 (J)
10/1/2024		0.027 (J)
3/18/2025		0.0349 (J)
9/30/2025		<0.1

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	4.8	
5/18/2016	4.74	
7/12/2016	4.9	
9/12/2016	4.72	
11/18/2016	4.65	
1/19/2017	4.77	
3/22/2017	4.46	
5/24/2017	4.74	
10/17/2017	4.72	
11/30/2017	4.61	
5/31/2018	4.93	
11/7/2018	4.58	
4/22/2019	4.67	
9/27/2019	4.61	
4/13/2020	4.7	
10/22/2020	4.66	
3/16/2021	4.72	
10/5/2021	4.67	
3/15/2022	4.73	
10/4/2022	4.62	
4/19/2023	4.61	
10/27/2023	4.7	
3/18/2024		4.72
9/30/2024		4.59
3/18/2025		4.63
9/29/2025		4.76

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	5.4	
5/18/2016	5.38	
7/12/2016	5.65	
9/12/2016	5.14	
11/19/2016	5.05	
1/18/2017	5.11	
3/22/2017	4.86	
5/24/2017	5.02	
10/17/2017	5.01	
6/1/2018	5	
11/7/2018	4.81	
4/23/2019	4.93	
9/26/2019	4.99	
4/13/2020	4.96	
10/22/2020	5.09	
3/16/2021	5.06	
10/5/2021	4.98	
3/15/2022	5.07	
10/4/2022	4.9	
4/19/2023	4.8	
10/27/2023	4.8	
3/20/2024		4.88
9/30/2024		5.24
3/17/2025		4.71
9/29/2025		4.69

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	4.77	
5/18/2016	4.62	
7/12/2016	5.03	
9/12/2016	4.6	
11/19/2016	4.46	
1/19/2017	4.65	
3/21/2017	4.47	
5/23/2017	4.69	
10/17/2017	4.62	
6/1/2018	4.87	
11/7/2018	4.61	
4/23/2019	4.77	
9/26/2019	4.84	
4/13/2020	4.71	
10/22/2020	4.78	
3/16/2021	4.65	
10/5/2021	4.85	
3/15/2022	4.87	
10/4/2022	4.71	
4/19/2023	4.7	
10/27/2023	4.59	
3/19/2024		4.73
9/30/2024		4.7
3/17/2025		4.58
9/29/2025		4.47

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	4.68	
5/18/2016	4.67	
7/11/2016	4.75	
9/13/2016	4.56	
11/17/2016	4.6	
1/18/2017	4.68	
3/21/2017	4.39	
5/23/2017	4.61	
10/17/2017	4.51	
5/31/2018	4.75	
11/8/2018	4.71	
4/22/2019	4.49	
9/26/2019	4.62	
4/14/2020	4.61	
10/21/2020	4.5	
3/16/2021	4.62	
10/5/2021	4.6	
3/15/2022	4.58	
10/5/2022	4.52	
4/20/2023	4.5	
10/27/2023	4.47	
3/19/2024		4.55
10/1/2024		4.49
3/17/2025		4.51
9/30/2025		4.66

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	4.89	
5/18/2016	5.09	
7/12/2016	5.27	
9/12/2016	4.94	
11/18/2016	4.82	
1/18/2017	5.02	
3/21/2017	4.82	
5/24/2017	4.87	
10/17/2017	5	
5/31/2018	5.42	
11/8/2018	5.02	
4/22/2019	4.94	
9/26/2019	5.01	
4/13/2020	4.99	
10/22/2020	5.01	
3/16/2021	5	
10/5/2021	4.88	
3/16/2022	4.91	
10/5/2022	5	
4/20/2023	4.79	
10/27/2023	4.82	
3/19/2024		4.87
10/1/2024		4.97
3/17/2025		4.79
9/30/2025		4.6

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	4.63	
5/18/2016	4.58	
7/12/2016	4.7	
9/12/2016	4.6	
11/18/2016	4.52	
1/18/2017	4.63	
3/21/2017	4.45	
5/24/2017	4.55	
10/17/2017	4.61	
5/31/2018	4.84	
11/8/2018	4.63	
4/22/2019	4.64	
9/26/2019	4.71	
4/14/2020	4.75	
10/22/2020	4.7	
10/5/2021	4.68	
3/16/2022	4.79	
10/5/2022	4.7	
4/19/2023	4.65	
10/30/2023	4.64	
3/20/2024		4.71
10/1/2024		4.61
3/17/2025		4.53
9/29/2025		4.69

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	5.55	
11/18/2016	5.14	
1/18/2017	5.27	
2/10/2017	5.14	
3/21/2017	4.96	
4/14/2017	5.07	
5/23/2017	5.01	
6/26/2017	4.93	
10/17/2017	4.93	
11/30/2017	4.81	
5/31/2018	5.11	
11/8/2018	5.09	
4/22/2019	4.97	
9/26/2019	5.19	
4/13/2020	5.06	
10/21/2020	5.05	
3/16/2021	5.35	
10/5/2021	5.53	
3/15/2022	5.82	
10/5/2022	5.3	
4/20/2023	6.06	
5/24/2023	5.15	
10/30/2023	5.01	
3/19/2024		5.61
10/1/2024		5.29
3/18/2025		5.38
9/30/2025		4.52

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
11/16/2006	5	
2/5/2007	<5	
4/12/2007	<5	
10/17/2007	5.7	
4/17/2008	7	
10/24/2008	6.6	
4/21/2009	5.2	
10/26/2009	8.3	
4/12/2010	6.8	
10/30/2010	10.8	
5/25/2011	11.5	
5/25/2012	8.2	
5/28/2013	6.9	
5/31/2014	3.5	
5/29/2015	3.3	
3/23/2016	1.8 (J)	
5/18/2016	4.1	
7/12/2016	3.8 (J)	
9/12/2016	3.9 (J)	
11/18/2016	5.4	
1/19/2017	<5	
3/22/2017	<5	
5/24/2017	2 (J)	
10/17/2017	<5	
5/31/2018	3 (J)	
11/7/2018	3.1 (J)	
4/22/2019	2.22	
9/27/2019	2.36	
4/13/2020	2.47	
10/22/2020	2.01	
3/16/2021	2.15	
10/5/2021	2.57	
3/15/2022	2.88	
10/4/2022	2.04	
4/19/2023	2.85	
10/27/2023	2.72	
3/18/2024		2.81
9/30/2024		2.69
3/18/2025		2.34
9/29/2025		3.84

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	<0.756	
5/18/2016	1.9	
7/12/2016	2 (J)	
9/12/2016	2 (J)	
11/19/2016	1.7 (J)	
1/18/2017	<0.756	
3/22/2017	<0.756	
5/24/2017	<0.756	
10/17/2017	<0.756	
6/1/2018	1.8 (J)	
11/7/2018	1.8 (J)	
4/23/2019	1.99	
9/26/2019	1.95	
4/13/2020	1.43	
10/22/2020	1.76	
3/16/2021	2.23	
10/5/2021	2.46	
3/15/2022	2.1	
10/4/2022	<0.756	
4/19/2023	1.93	
10/27/2023	1.53	
3/20/2024		1.61
9/30/2024		1.41
3/17/2025		1.05
9/29/2025		1.09

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	<0.756	
5/18/2016	<0.756	
7/12/2016	<0.756	
9/12/2016	<0.756	
11/19/2016	<0.756	
1/19/2017	<0.756	
3/21/2017	<0.756	
5/23/2017	<0.756	
10/17/2017	<0.756	
6/1/2018	1.5 (J)	
11/7/2018	1.5 (J)	
4/23/2019	1.43	
9/26/2019	1.2	
4/13/2020	0.992 (J)	
10/22/2020	1.04	
3/16/2021	1.07	
10/5/2021	3.38	
3/15/2022	1.33	
10/4/2022	<0.756	
4/19/2023	2.42	
10/27/2023	1.7	
3/19/2024		1.35
9/30/2024		1.58
3/17/2025		1.35
9/29/2025		2.4

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	<5	
5/18/2016	<5	
7/11/2016	<5	
9/13/2016	1.7 (J)	
11/17/2016	<5	
1/18/2017	<5	
3/21/2017	<5	
5/23/2017	<5	
10/17/2017	<5	
5/31/2018	2.2 (J)	
11/8/2018	1.7 (J)	
4/22/2019	2.52	
9/26/2019	2.28	
4/14/2020	2.27	
10/21/2020	2.15	
3/16/2021	2	
10/5/2021	2.22	
3/15/2022	2.29	
10/5/2022	1.4	
4/20/2023	2.59	
10/27/2023	3.08	
3/19/2024		2.87
10/1/2024		3.36
3/17/2025		2.44
9/30/2025		4.19

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	<5	
5/18/2016	1.4	
7/12/2016	1.8 (J)	
9/12/2016	2.2 (J)	
11/18/2016	1.5 (J)	
1/18/2017	1.5 (J)	
3/21/2017	<5	
5/24/2017	1.7 (J)	
10/17/2017	1.8 (J)	
5/31/2018	2.5 (J)	
11/8/2018	2.2 (J)	
4/22/2019	2.96	
9/26/2019	2.96	
4/13/2020	2.75	
10/22/2020	2.98	
3/16/2021	3.06	
10/5/2021	2.85	
3/16/2022	3.38	
10/5/2022	2.05	
4/20/2023	3.44	
10/27/2023	3.82	
3/19/2024		3.53
10/1/2024		4.89
3/17/2025		3.82
9/30/2025		4.91

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	3 (J)	
5/18/2016	3.9 (J)	
7/12/2016	3.9 (J)	
9/12/2016	4.5 (J)	
11/18/2016	4.2 (J)	
1/18/2017	3.8 (J)	
3/21/2017	<5 (*)	
5/24/2017	3 (J)	
10/17/2017	3.4 (J)	
5/31/2018	4.1 (J)	
11/8/2018	3.3 (J)	
4/22/2019	4.66	
9/26/2019	4.23	
4/14/2020	3.96	
10/22/2020	3.37	
3/16/2021	3.18	
10/5/2021	3.83	
3/16/2022	7.04	
10/5/2022	6.04	
4/19/2023	7.48	
10/30/2023	7.39	
3/20/2024		6.1
10/1/2024		5.43
3/17/2025		4.28
9/29/2025		4.64

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	<5	
11/18/2016	<5	
1/18/2017	<5	
2/10/2017	<5	
3/21/2017	<5	
4/14/2017	1.5 (J)	
5/23/2017	<5	
6/26/2017	1.5 (J)	
10/17/2017	<5	
5/31/2018	1.9 (J)	
11/8/2018	1.5 (J)	
4/22/2019	2.09	
9/26/2019	2.1	
4/13/2020	1.69	
10/21/2020	1.31	
3/16/2021	2.72	
10/5/2021	1.91	
3/15/2022	4.86	
10/5/2022	1.02	
4/20/2023	3.73	
5/24/2023	2.62	
10/30/2023	2.73	
3/19/2024		3.31
10/1/2024		2.77
3/18/2025		2.37
9/30/2025		2.28

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11	MW-11
3/23/2016	40	
5/18/2016	52	
7/12/2016	42	
9/12/2016	42	
11/18/2016	82	
1/19/2017	32	
3/22/2017	6	
5/24/2017	48	
10/17/2017	34	
5/31/2018	32	
11/7/2018	52	
4/22/2019	50	
9/27/2019	50	
4/13/2020	63	
10/22/2020	41	
3/16/2021	39	
10/5/2021	43	
3/15/2022	53	
10/4/2022	53	
4/19/2023	67	
10/27/2023	21	
3/18/2024		33
9/30/2024		33
3/18/2025		17
9/29/2025		42

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-14	MW-14
3/23/2016	48 (B1)	
5/18/2016	26	
7/12/2016	24	
9/12/2016	32	
11/19/2016	76	
1/18/2017	48	
3/22/2017	30	
5/24/2017	46	
10/17/2017	8	
6/1/2018	44	
11/7/2018	26	
4/23/2019	48	
9/26/2019	39	
4/13/2020	28	
10/22/2020	25	
3/16/2021	41	
10/5/2021	29	
3/15/2022	56	
10/4/2022	52	
4/19/2023	41	
10/27/2023	23	
3/20/2024		39
9/30/2024		37
3/17/2025		13
9/29/2025		65

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-15
3/22/2016	34 (B1)	
5/18/2016	24	
7/12/2016	24	
9/12/2016	4 (J)	
11/19/2016	44	
1/19/2017	26	
3/21/2017	20	
5/23/2017	6	
10/17/2017	58	
12/15/2017	20 (RS)	
6/1/2018	26	
11/7/2018	8	
4/23/2019	34	
9/26/2019	32	
4/13/2020	39	
10/22/2020	34	
3/16/2021	34	
10/5/2021	25	
3/15/2022	51	
10/4/2022	42	
4/19/2023	31	
10/27/2023	24	
3/19/2024		17
9/30/2024		28
3/17/2025		12
9/29/2025		31

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-16	MW-16
3/22/2016	42 (B1)	
5/18/2016	<10	
7/11/2016	<10	
9/13/2016	48	
11/17/2016	20	
1/18/2017	18	
3/21/2017	8	
5/23/2017	<10	
10/17/2017	58	
5/31/2018	24	
11/8/2018	4 (J)	
4/22/2019	46	
9/26/2019	27	
4/14/2020	36	
10/21/2020	33	
3/16/2021	27	
10/5/2021	29	
3/15/2022	34	
10/5/2022	42	
4/20/2023	37	
10/27/2023	21	
3/19/2024		24
10/1/2024		33
3/17/2025		<10
9/30/2025		31

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-17	MW-17
3/22/2016	32 (B1)	
5/18/2016	26	
7/12/2016	22	
9/12/2016	32	
11/18/2016	16	
1/18/2017	32	
3/21/2017	16	
5/24/2017	22	
10/17/2017	26	
5/31/2018	<10	
11/8/2018	36	
4/22/2019	24	
9/26/2019	25	
4/13/2020	27	
10/22/2020	29	
3/16/2021	37	
10/5/2021	34	
3/16/2022	55	
10/5/2022	35	
4/20/2023	30	
10/27/2023	14	
3/19/2024		20
10/1/2024		33
3/17/2025		19
9/30/2025		<10

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18	MW-18
3/22/2016	28 (B1)	
5/18/2016	20	
7/12/2016	24	
9/12/2016	48	
11/18/2016	10	
1/18/2017	30	
3/21/2017	6	
5/24/2017	30	
10/17/2017	32	
5/31/2018	30	
11/8/2018	22	
4/22/2019	36	
9/26/2019	30	
4/14/2020	29	
10/22/2020	22	
3/16/2021	31	
10/5/2021	29	
3/16/2022	25	
10/5/2022	34	
4/19/2023	29	
10/30/2023	15	
3/20/2024		25
10/1/2024		35
3/17/2025		<10
9/29/2025		11

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/29/2025 12:20 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-19	MW-19
9/12/2016	12	
11/18/2016	14	
1/18/2017	20	
2/10/2017	28	
3/21/2017	20	
4/14/2017	14	
5/23/2017	<5	
6/26/2017	34	
10/17/2017	42	
5/31/2018	22	
11/8/2018	8	
4/22/2019	31	
9/26/2019	29	
4/13/2020	20	
10/21/2020	19	
3/16/2021	25	
10/5/2021	35	
3/15/2022	36	
10/5/2022	31	
4/20/2023	66	
5/24/2023	32	
10/30/2023	29	
3/19/2024		31
10/1/2024		30
3/18/2025		12
9/30/2025		31

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limits - Interwell Two-Step

Interwell Prediction Limits - Two-Step - All Results (No Significant)

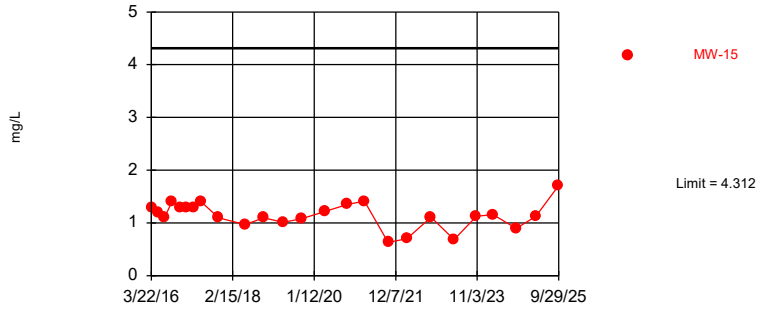
Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/29/2025, 6:46 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-15	4.312	n/a	9/29/2025	1.71	No	75	1.297	0.4412	2.667	None	sqrt(x)	0.00188	Param Inter 1 of 2
Chloride (mg/L)	MW-15	14.95	n/a	9/29/2025	11.7	No	90	10.18	2.712	0	None	No	0.00188	Param Inter 1 of 2
pH (SU)	MW-17	5.65	4.45	9/30/2025	4.6	No	75	n/a	n/a	0	n/a	n/a	0.0006885	NP Inter (normality) 1 of 2
pH (SU)	MW-19	5.65	4.45	9/30/2025	4.52	No	75	n/a	n/a	0	n/a	n/a	0.0006885	NP Inter (normality) 1 of 2
Sulfate (mg/L)	MW-17	8.068	n/a	9/30/2025	4.91	No	90	1.705	0.6456	13.33	None	sqrt(x)	0.00188	Param Inter 1 of 2

Within Limit

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=1.297, Std. Dev.=0.4412, n=75, 2.667% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9672, critical = 0.956. Kappa = 1.767 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.00188. Assumes 3 future values.

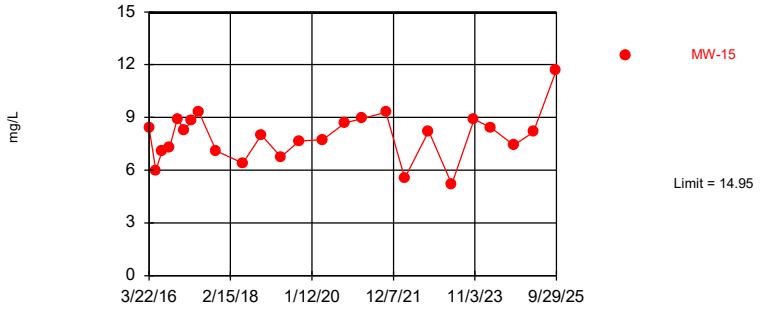
Constituent: Calcium Analysis Run 10/29/2025 6:44 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limit

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=10.18, Std. Dev.=2.712, n=90. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9843, critical = 0.961. Kappa = 1.758 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.00188. Assumes 3 future values.

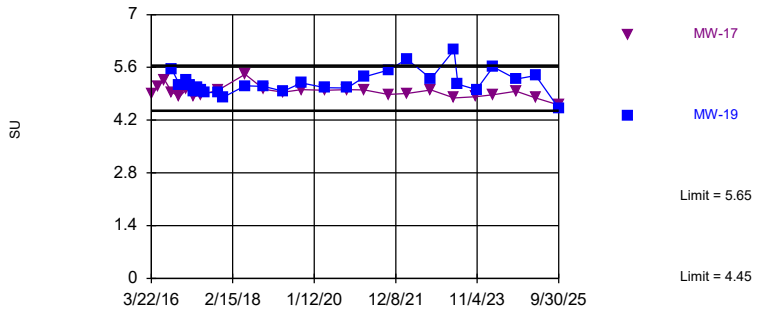
Constituent: Chloride Analysis Run 10/29/2025 6:44 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Within Limits

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 75 background values. Annual per-constituent alpha = 0.005501. Individual comparison alpha = 0.0006885 (1 of 2). Comparing 2 points to limit. Assumes 2 future values.

Constituent: pH Analysis Run 10/29/2025 6:44 PM View: Intrawell

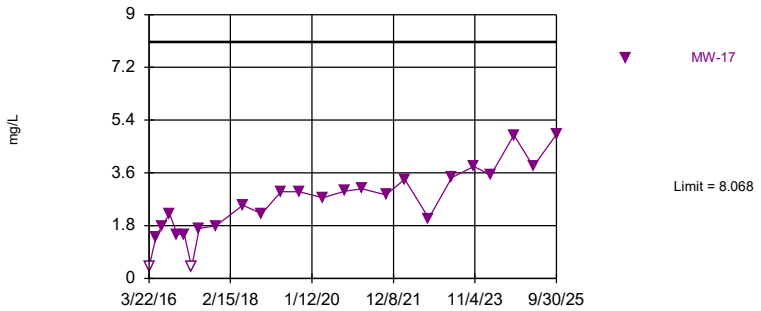
Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Parametric



Background Data Summary (based on square root transformation): Mean=1.705, Std. Dev.=0.6456, n=90, 13.33% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9721, critical = 0.961. Kappa = 1.758 (c=7, w=4, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.00188. Assumes 3 future values.

Constituent: Sulfate Analysis Run 10/29/2025 6:44 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/29/2025 6:46 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-15	MW-18 (bg)	MW-11 (bg)	MW-14 (bg)
3/22/2016	1.3 (B1)	0.93 (B1)		
3/23/2016			<5.9 (*)	<5.9 (*)
5/18/2016	1.2	0.85	1.8	5.5
7/12/2016	1.1	0.69	1.9	5.3
9/12/2016	1.4	0.86	2	4.9
11/18/2016		0.41	2	
11/19/2016	1.3			4.8
1/18/2017		0.81		3.8
1/19/2017	1.3		1.8	
3/21/2017	1.3	0.76		
3/22/2017			1.8	3.3
5/23/2017	1.4			
5/24/2017		0.8	2	3.6
10/17/2017	1.1	0.69	2	3.7
5/31/2018		0.75	1.8	
6/1/2018	0.97			2.8
11/7/2018	1.1		2	2.9
11/8/2018		0.78		
4/22/2019		0.531	1.71	
4/23/2019	1.01			2.76
9/26/2019	1.08	0.631		2.4
9/27/2019			1.99	
4/13/2020	1.22		2.03	2.74
4/14/2020		0.627		
10/22/2020	1.35	0.553	2.02	2.17
3/16/2021	1.41	0.57	1.74	2.4
10/5/2021	0.632	0.43 (J)	1.87	1.89
3/15/2022	0.703		1.87	2.59
3/16/2022		0.406 (J)		
10/4/2022	1.11		1.3	2.56
10/5/2022		0.285 (J)		
4/19/2023	0.682	0.368 (J)	1.65	2.63
10/27/2023	1.13		1.42	2.28
10/30/2023		0.427 (J)		
3/18/2024			1.19	
3/19/2024	1.16			
3/20/2024		0.414 (J)		1.7
9/30/2024	0.896		1.58	2.69
10/1/2024		0.647		
3/17/2025	1.12	0.727		2.94
3/18/2025			2.87	
9/29/2025	1.71	0.706	1.41	2.9

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 6:46 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-15	MW-18 (bg)	MW-14 (bg)
11/16/2006	8.5			
2/5/2007	8.8			
4/12/2007	9.5			
10/17/2007	12.1			
4/17/2008	13.1			
10/24/2008	13.7			
4/21/2009	11.9			
10/26/2009	11			
4/12/2010	12.5			
10/30/2010	10.8			
5/25/2011	10			
5/25/2012	10.9			
5/28/2013	11.4			
5/31/2014	9.2			
5/29/2015	11.5			
3/22/2016		8.4 (B1)	11 (B1)	
3/23/2016	13			8.8 (B1)
5/18/2016	13	6	8.4	7.2
7/12/2016	13	7.1	7.9	7.5
9/12/2016	13	7.3	7.6	8.4
11/18/2016	14		8.5	
11/19/2016		8.9		12
1/18/2017			9.2	11
1/19/2017	13	8.3		
3/21/2017		8.8	10	
3/22/2017	15			11
5/23/2017		9.3		
5/24/2017	14		10	10
10/17/2017	15	7.1	8.6	10
5/31/2018	12		6.9	
6/1/2018		6.4		9.9
11/7/2018	14	8		10
11/8/2018			8.7	
4/22/2019	13.3		6.17	
4/23/2019		6.75		9.3
9/26/2019		7.66	6.09	8.35
9/27/2019	13.4			
4/13/2020	14.2	7.74		7.9
4/14/2020			6.15	
10/22/2020	17.4	8.69	6.89	6.5
3/16/2021	13.3	8.94	8.18	7.32
10/5/2021	12.5	9.3	5.72	6.59
3/15/2022	13.6	5.55		8.36
3/16/2022			6.05	
10/4/2022	12	8.22		11.2
10/5/2022			4.97	
4/19/2023	12.2	5.21	5.08	10.2
10/27/2023	12.1	8.9		9.77
10/30/2023			11.1	
3/18/2024	8.82			
3/19/2024		8.42		
3/20/2024			5.44	7.44

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/29/2025 6:46 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-15	MW-18 (bg)	MW-14 (bg)
9/30/2024	12.3	7.42		10.5
10/1/2024			7.15	
3/17/2025		8.17	6.48	11.6
3/18/2025	13.7			
9/29/2025	11.4	11.7	7.27	12

Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2025 6:46 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-18 (bg)	MW-17	MW-14 (bg)	MW-11 (bg)	MW-19
3/22/2016	4.63	4.89			
3/23/2016			5.4	4.8	
5/18/2016	4.58	5.09	5.38	4.74	
7/12/2016	4.7	5.27	5.65	4.9	
9/12/2016	4.6	4.94	5.14	4.72	5.55
11/18/2016	4.52	4.82		4.65	5.14
11/19/2016			5.05		
1/18/2017	4.63	5.02	5.11		5.27
1/19/2017				4.77	
2/10/2017					5.14
3/21/2017	4.45	4.82			4.96
3/22/2017			4.86	4.46	
4/14/2017					5.07
5/23/2017					5.01
5/24/2017	4.55	4.87	5.02	4.74	
6/26/2017					4.93
10/17/2017	4.61	5	5.01	4.72	4.93
11/30/2017				4.61	4.81
5/31/2018	4.84	5.42		4.93	5.11
6/1/2018			5		
11/7/2018			4.81	4.58	
11/8/2018	4.63	5.02			5.09
4/22/2019	4.64	4.94		4.67	4.97
4/23/2019			4.93		
9/26/2019	4.71	5.01	4.99		5.19
9/27/2019				4.61	
4/13/2020		4.99	4.96	4.7	5.06
4/14/2020	4.75				
10/21/2020					5.05
10/22/2020	4.7	5.01	5.09	4.66	
3/16/2021		5	5.06	4.72	5.35
10/5/2021	4.68	4.88	4.98	4.67	5.53
3/15/2022			5.07	4.73	5.82
3/16/2022	4.79	4.91			
10/4/2022			4.9	4.62	
10/5/2022	4.7	5			5.3
4/19/2023	4.65		4.8	4.61	
4/20/2023		4.79			6.06
5/24/2023					5.15
10/27/2023		4.82	4.8	4.7	
10/30/2023	4.64				5.01
3/18/2024				4.72	
3/19/2024		4.87			5.61
3/20/2024	4.71		4.88		
9/30/2024			5.24	4.59	
10/1/2024	4.61	4.97			5.29
3/17/2025	4.53	4.79	4.71		
3/18/2025				4.63	5.38
9/29/2025	4.69		4.69	4.76	
9/30/2025		4.6			4.52

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 6:46 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-17	MW-18 (bg)	MW-14 (bg)
11/16/2006	5			
2/5/2007	<0.756			
4/12/2007	<0.756			
10/17/2007	5.7			
4/17/2008	7			
10/24/2008	6.6			
4/21/2009	5.2			
10/26/2009	8.3			
4/12/2010	6.8			
10/30/2010	10.8			
5/25/2011	11.5			
5/25/2012	8.2			
5/28/2013	6.9			
5/31/2014	3.5			
5/29/2015	3.3			
3/22/2016		<0.756	3 (J)	
3/23/2016	1.8 (J)			<0.756
5/18/2016	4.1	1.4	3.9 (J)	1.9
7/12/2016	3.8 (J)	1.8 (J)	3.9 (J)	2 (J)
9/12/2016	3.9 (J)	2.2 (J)	4.5 (J)	2 (J)
11/18/2016	5.4	1.5 (J)	4.2 (J)	
11/19/2016				1.7 (J)
1/18/2017		1.5 (J)	3.8 (J)	<0.756
1/19/2017	<0.756			
3/21/2017		<0.756	<0.756 (*)	
3/22/2017	<0.756			<0.756
5/24/2017	2 (J)	1.7 (J)	3 (J)	<0.756
10/17/2017	<0.756	1.8 (J)	3.4 (J)	<0.756
5/31/2018	3 (J)	2.5 (J)	4.1 (J)	
6/1/2018				1.8 (J)
11/7/2018	3.1 (J)			1.8 (J)
11/8/2018		2.2 (J)	3.3 (J)	
4/22/2019	2.22	2.96	4.66	
4/23/2019				1.99
9/26/2019		2.96	4.23	1.95
9/27/2019	2.36			
4/13/2020	2.47	2.75		1.43
4/14/2020			3.96	
10/22/2020	2.01	2.98	3.37	1.76
3/16/2021	2.15	3.06	3.18	2.23
10/5/2021	2.57	2.85	3.83	2.46
3/15/2022	2.88			2.1
3/16/2022		3.38	7.04	
10/4/2022	2.04			<0.756
10/5/2022		2.05	6.04	
4/19/2023	2.85		7.48	1.93
4/20/2023		3.44		
10/27/2023	2.72	3.82		1.53
10/30/2023			7.39	
3/18/2024	2.81			
3/19/2024		3.53		
3/20/2024			6.1	1.61

ND substitution: RL or RL/2 if <15% NDs.

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2025 6:46 PM View: Intrawell

Plant Daniel Client: Southern Company Data: NAMU CCR

	MW-11 (bg)	MW-17	MW-18 (bg)	MW-14 (bg)
9/30/2024	2.69			1.41
10/1/2024		4.89	5.43	
3/17/2025		3.82	4.28	1.05
3/18/2025	2.34			
9/29/2025	3.84		4.64	1.09
9/30/2025		4.91		

Trend Tests - Prediction Limit Exceedances

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/30/2025, 8:29 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	**MW-14 (bg)**	**-0.2234**	**-166**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	**MW-18 (bg)**	**-0.04916**	**-139**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	**MW-18 (bg)**	**-0.3439**	**-115**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	**MW-14 (bg)**	**-0.04247**	**-155**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-11 (bg)**	**-0.1815**	**-288**	**-223**	**Yes**	**40**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-17**	**0.2747**	**214**	**111**	**Yes**	**25**	**8**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-18 (bg)**	**0.2061**	**114**	**111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**

Trend Tests - Prediction Limit Exceedances - All Results

Plant Daniel Client: Southern Company Data: NAMU CCR Printed 10/30/2025, 8:29 PM

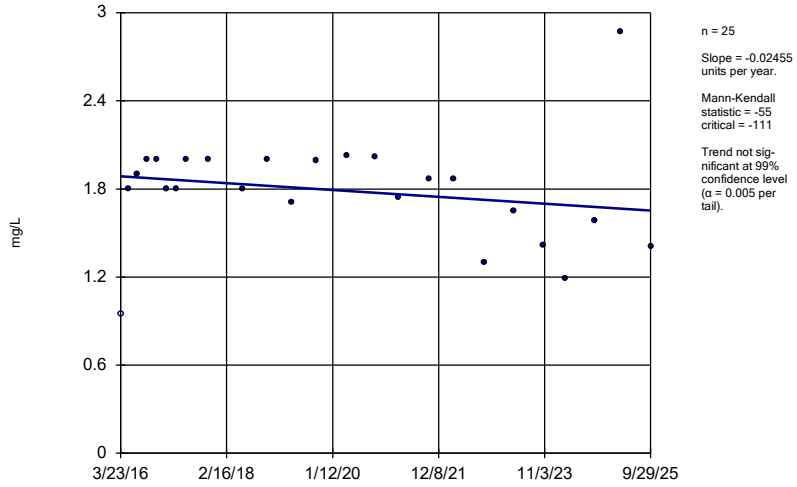
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-11 (bg)	-0.02455	-55	-111	No	25	4	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-14 (bg)**	**-0.2234**	**-166**	**-111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**
Calcium (mg/L)	MW-15	-0.02015	-46	-111	No	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	**MW-18 (bg)**	**-0.04916**	**-139**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Chloride (mg/L)	MW-11 (bg)	0.1053	208	223	No	40	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-14 (bg)	0.06468	25	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-15	0.09765	39	111	No	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	**MW-18 (bg)**	**-0.3439**	**-115**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	MW-11 (bg)	-0.00987	-67	-118	No	26	0	n/a	n/a	0.01	NP
pH (SU)	**MW-14 (bg)**	**-0.04247**	**-155**	**-111**	**Yes**	**25**	**0**	**n/a**	**n/a**	**0.01**	**NP**
pH (SU)	MW-17	-0.01834	-101	-111	No	25	0	n/a	n/a	0.01	NP
pH (SU)	MW-18 (bg)	0.008099	59	105	No	24	0	n/a	n/a	0.01	NP
pH (SU)	MW-19	0.02508	56	124	No	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-11 (bg)**	**-0.1815**	**-288**	**-223**	**Yes**	**40**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	MW-14 (bg)	0	-3	-111	No	25	24	n/a	n/a	0.01	NP
Sulfate (mg/L)	**MW-17**	**0.2747**	**214**	**111**	**Yes**	**25**	**8**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate (mg/L)	**MW-18 (bg)**	**0.2061**	**114**	**111**	**Yes**	**25**	**4**	**n/a**	**n/a**	**0.01**	**NP**

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-11 (bg)



n = 25

Slope = -0.02455 units per year.

Mann-Kendall statistic = -55
critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/30/2025 8:28 PM View: Trend Tests

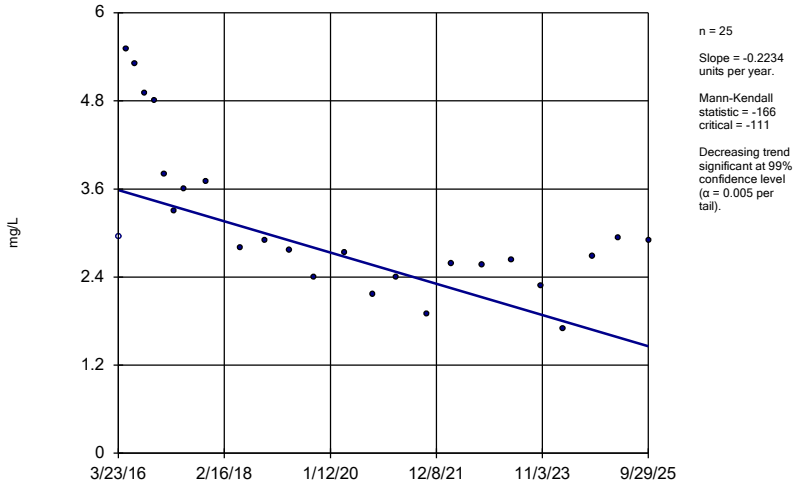
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-14 (bg)



n = 25

Slope = -0.2234 units per year.

Mann-Kendall statistic = -166
critical = -111

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

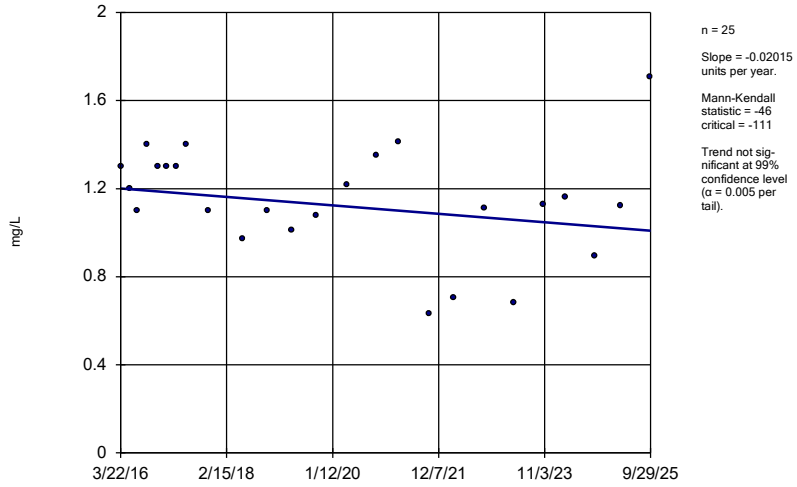
Constituent: Calcium Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-15



n = 25

Slope = -0.02015 units per year.

Mann-Kendall statistic = -46
critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

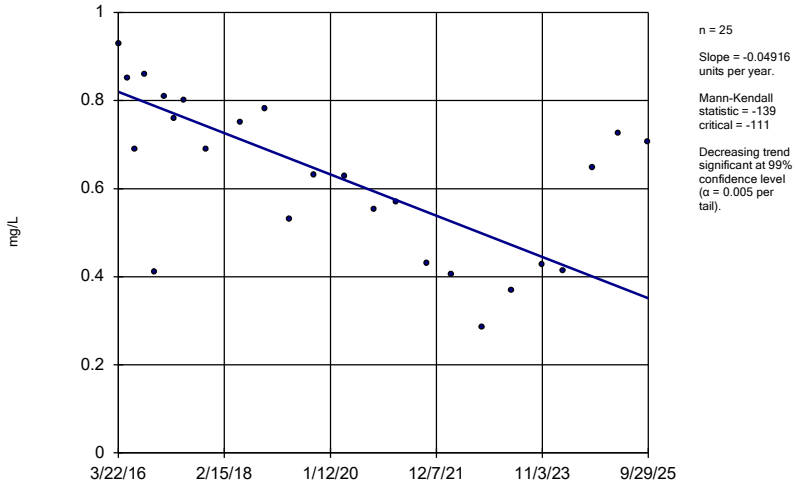
Constituent: Calcium Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-18 (bg)



n = 25

Slope = -0.04916 units per year.

Mann-Kendall statistic = -139
critical = -111

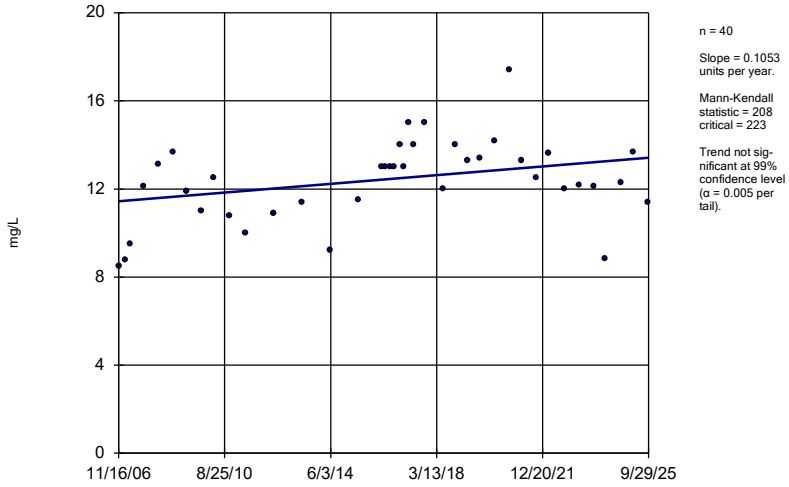
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Sen's Slope Estimator

MW-11 (bg)



n = 40

Slope = 0.1053 units per year.

Mann-Kendall statistic = 208 critical = 223

Trend not significant at 99% confidence level (α = 0.005 per tail).

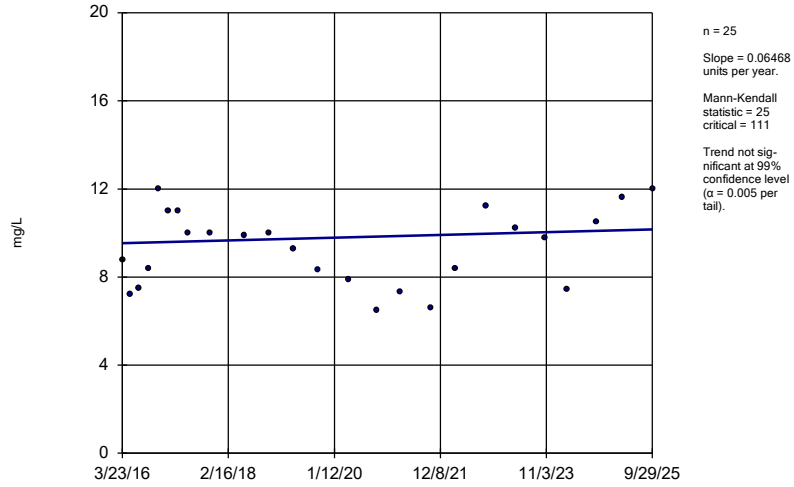
Constituent: Chloride Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-14 (bg)



n = 25

Slope = 0.06468 units per year.

Mann-Kendall statistic = 25 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

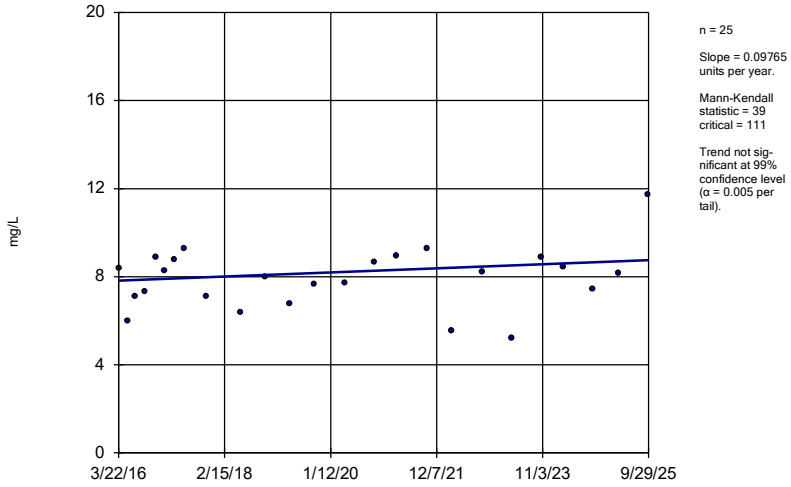
Constituent: Chloride Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-15



n = 25

Slope = 0.09765 units per year.

Mann-Kendall statistic = 39 critical = 111

Trend not significant at 99% confidence level (α = 0.005 per tail).

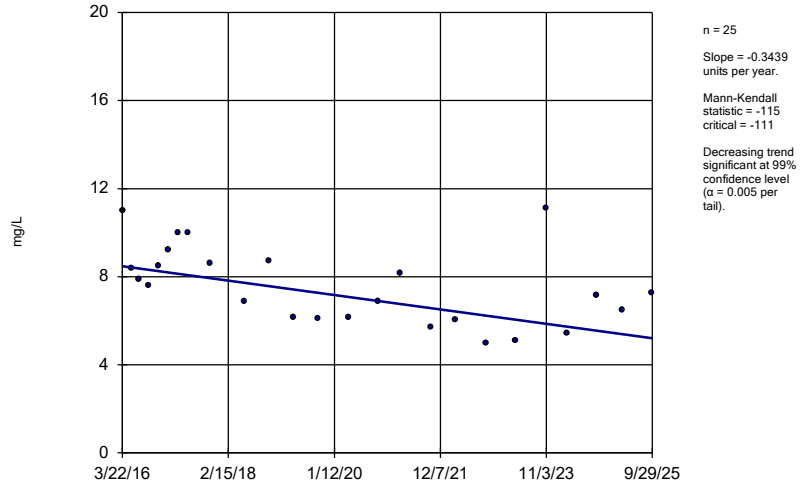
Constituent: Chloride Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-18 (bg)



n = 25

Slope = -0.3439 units per year.

Mann-Kendall statistic = -115 critical = -111

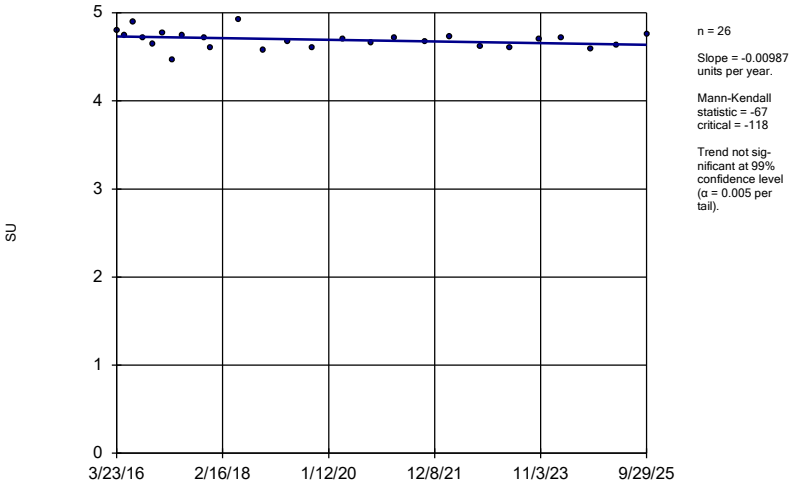
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Sen's Slope Estimator

MW-11 (bg)



n = 26

Slope = -0.00987 units per year.

Mann-Kendall statistic = -67
critical = -118

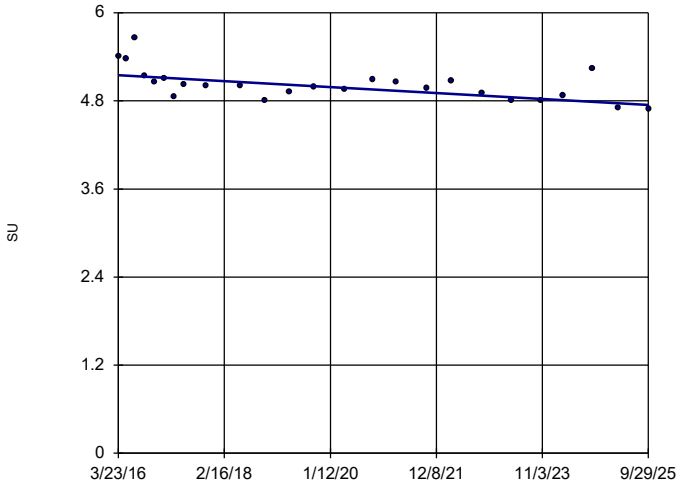
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/30/2025 8:28 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-14 (bg)



n = 25

Slope = -0.04247 units per year.

Mann-Kendall statistic = -155
critical = -111

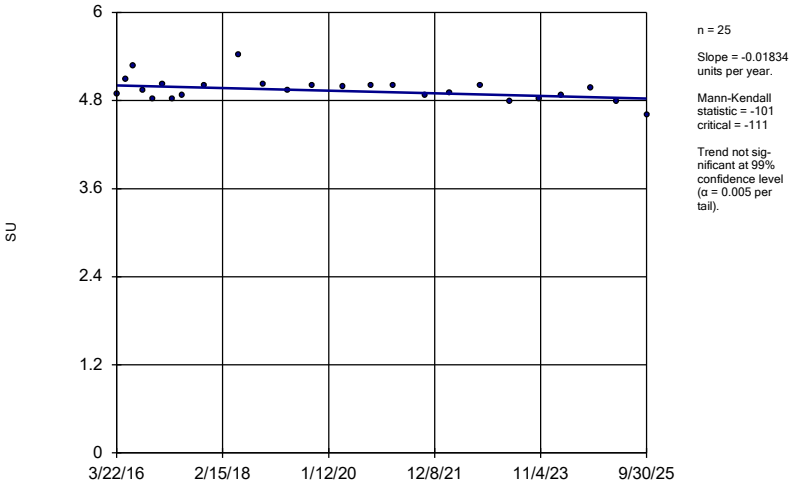
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/30/2025 8:28 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-17



n = 25

Slope = -0.01834 units per year.

Mann-Kendall statistic = -101
critical = -111

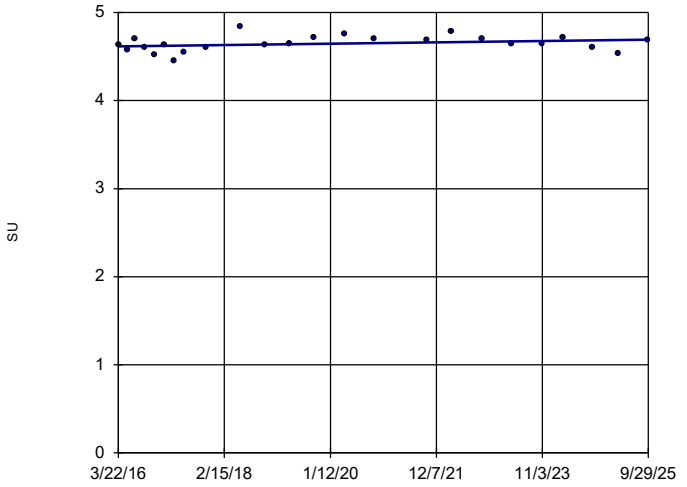
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/30/2025 8:28 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: NAMU CCR

Sanitas™ v.10.1.02 Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

MW-18 (bg)



n = 24

Slope = 0.008099 units per year.

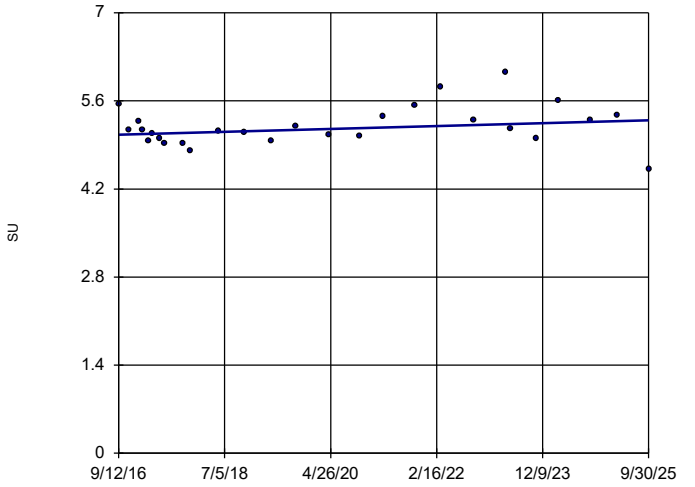
Mann-Kendall statistic = 59
critical = 105

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 10/30/2025 8:28 PM View: Trend Tests
Plant Daniel Client: Southern Company Data: NAMU CCR

Sen's Slope Estimator

MW-19



n = 27

Slope = 0.02508 units per year.

Mann-Kendall statistic = 56 critical = 124

Trend not significant at 99% confidence level (α = 0.005 per tail).

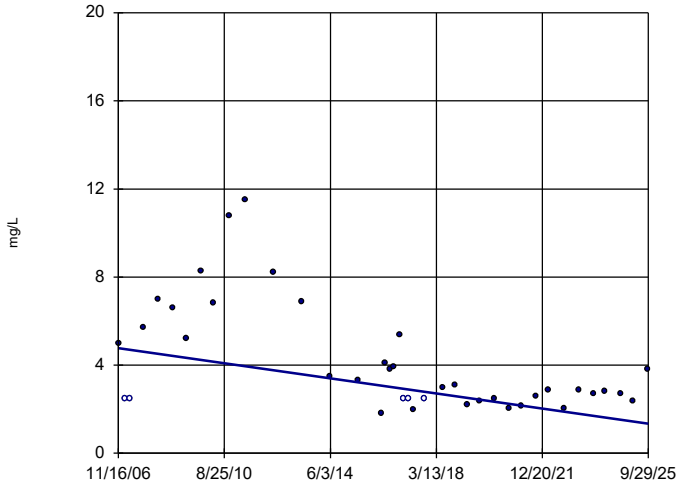
Constituent: pH Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-11 (bg)



n = 40

Slope = -0.1815 units per year.

Mann-Kendall statistic = -288 critical = -223

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

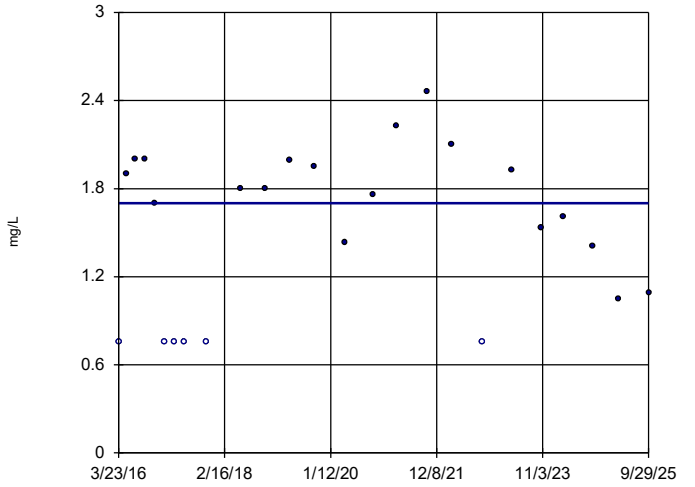
Constituent: Sulfate Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-14 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -3 critical = -111

Trend not significant at 99% confidence level (α = 0.005 per tail).

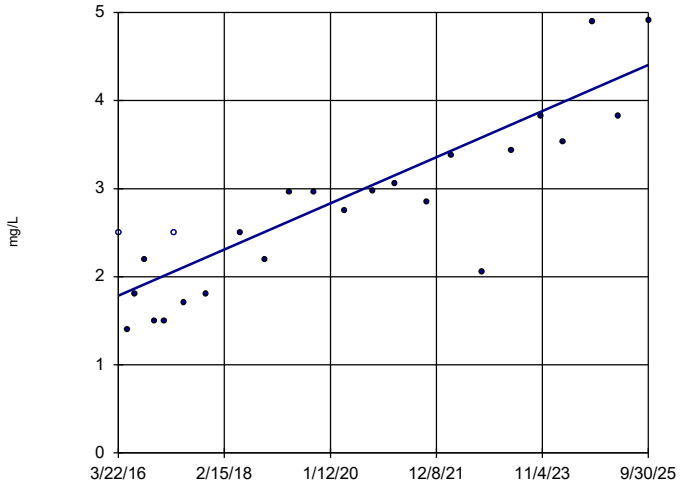
Constituent: Sulfate Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-17



n = 25

Slope = 0.2747 units per year.

Mann-Kendall statistic = 214 critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

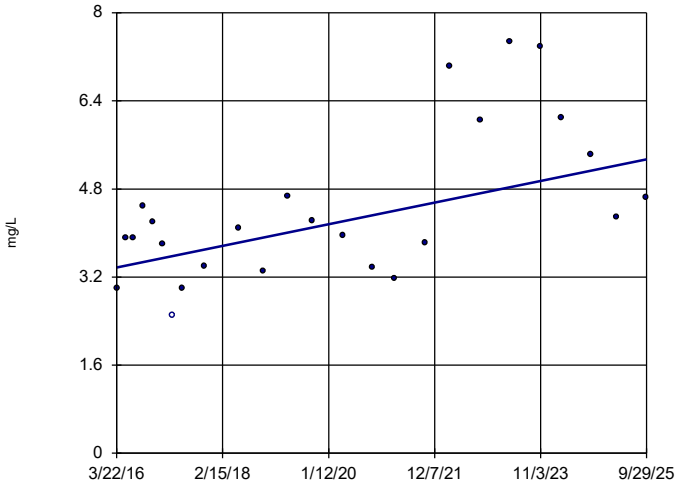
Constituent: Sulfate Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-18 (bg)



n = 25

Slope = 0.2061 units per year.

Mann-Kendall statistic = 114
critical = 111

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 10/30/2025 8:28 PM View: Trend Tests

Plant Daniel Client: Southern Company Data: NAMU CCR