

**2023 ANNUAL GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT**

**MISSISSIPPI POWER COMPANY  
PLANT VICTOR DANIEL  
GYPSUM STORAGE AREA**

**January 31, 2024**

Prepared for

Mississippi Power Company  
Gulfport, Mississippi

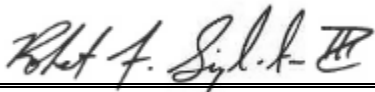
By

Southern Company Services  
Earth Science and Environmental Engineering



## CERTIFICATION STATEMENT

This *2023 Annual Groundwater Monitoring and Corrective Action Report*, Mississippi Power Company – Plant Daniel Gypsum Storage Area has been prepared to comply with the United States Environmental Protection Agency coal combustion residual rule (40 Code of Federal Regulations (CFR) Part 257, Subpart D) under the supervision of a licensed Professional Geologist with Southern Company Services.



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## **SITE SUMMARY**

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 CFR Part 257, Subpart D), this *2023 Annual Groundwater Monitoring and Corrective Action Report* has been prepared to document 2023 semi-annual assessment groundwater monitoring activities at the Plant Daniel Gypsum Storage Area (GSA) and to satisfy the requirements of § 257.90(e). Semi-annual assessment monitoring and associated reporting for Plant Daniel GSA is performed in accordance with the monitoring requirements § 257.90 through § 257.95.

The CCR unit began the monitoring period in assessment monitoring pursuant to § 257.95. Statistically significant increases (SSIs) of Appendix III constituents over background were identified in the results of the 2019 detection monitoring event and assessment monitoring was initiated in January 2020. Statistically significant levels (SSLs) of Appendix IV parameters have not been identified during assessment monitoring, so the GSA will remain in assessment monitoring.

Pursuant to 40 CFR 257.90(e)(6), the table titled Monitoring Period Summary was prepared to describe the status of groundwater monitoring and corrective action during this report's monitoring period.

## Monitoring Period Summary Plant Daniel - Gypsum Storage Area

Monitoring Period: January 1 - December 31, 2023

Beginning Status: Assessment

Ending Status: Assessment

### STATISTICAL ANALYSIS RESULTS\*

#### Appendix III SSIs

Parameter	Wells
Boron	MW-1
Calcium	MW-3, MW-7
Chloride	None
Fluoride	None
pH	MW-2 (upgradient), MW-4, MW-9, MW-10 (upgradient)
Sulfate	MW-5, MW-9, MW-10 (upgradient)
TDS	None

#### Appendix IV SSLs

None

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

### ASSESSMENT OF CORRECTIVE MEASURES & GROUNDWATER REMEDY

#### Assessment of Corrective Measures

Site Remains in Assessment Monitoring § 257.95(d)

#### Groundwater Remedy

Site Remains in Assessment Monitoring § 257.95(d)

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## **1.0 INTRODUCTION**

In accordance with the United States Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule (40 Code of Federal Regulations (CFR) 257, Subpart D), Southern Company Services (SCS) has prepared this *2023 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities at Mississippi Power Company (MPC) Plant Daniel Gypsum Storage Area (GSA).

Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements of 40 CFR 257.90 through 257.95 of the Federal CCR rule. This report has been prepared to document the 2023 semi-annual groundwater monitoring events at the GSA and to satisfy the requirements of § 257.90(e).

## 2.0 SITE DESCRIPTION

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. The Site is northwest of the intersection of Mississippi State Highways 63 and 613, between the Pascagoula River to the west and Highway 63 to the east. The site address is 13201 Highway 63 N, Escatawpa, Mississippi 39562.

GSA is northeast of the main plant. **Figure 1, Site Location Map**, depicts the location of Plant Daniel relative to site features and the surrounding area.

### 2.1 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 sand and gravel beds of Miocene age or younger, less than 1,000 feet below the surface.

The surface geology of soils near Plant Daniel results from present-day weathering processes dictated by southern Mississippi's semi-tropical climate and the parent geologic materials. The soil profile formed from a wide variety of sediments of recent age, and from Pleistocene terrace deposits. The soils therefore contain sand, silt, clay, gravel, and organics.

Studies prepared by SCS, establish five geologic units underlying the immediate Plant Daniel property:

- Unit 1 is a sandy clay aquitard. The unit is discontinuous across the Plant Daniel site and extends from the surface to approximately 32 feet deep in some areas.
- Unit 2 is a sand aquifer, which extends to approximately 70 feet and is considered the uppermost aquifer for groundwater monitoring purposes.
- Unit 3 is a clay aquitard underlying Unit 2 with thicknesses ranging from 2.5 to 9.5 feet at Plant Daniel.
- Unit 4 is a sand and gravel aquifer with a thickness of 34 feet or greater.
- Unit 5 is a clay aquitard.

### 2.2 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, the Unit 2 sand is the uppermost aquifer screened by site monitoring wells.

### **3.0 GROUNDWATER MONITORING SYSTEM AND ACTIVITY**

Pursuant to § 257.91, MPC installed a groundwater monitoring system to monitor groundwater within the uppermost aquifer (Unit 2). The Professional Engineer (PE)-certified groundwater monitoring system for GSA 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.

#### **3.1 Groundwater Monitoring System**

The groundwater monitoring network is comprised of 10 monitoring wells as presented on **Figure 2, Monitoring Well Location Map. Table 1, Monitoring Well Network Summary**, summarizes the monitoring well construction details and design purpose for the GSA.

Monitoring well locations MW-1, MW-2, and MW-10 serve as upgradient locations for the GSA. Upgradient wells are screened within the same uppermost aquifer as downgradient locations and are representative of background groundwater quality at the site. Monitoring well locations MW-3 through MW-9 are utilized as downgradient locations for the GSA. Downgradient locations were determined by water level monitoring and potentiometric surface maps constructed for the site.

#### **3.2 Monitoring Well Installation and Maintenance**

There was no change to the groundwater monitoring system in 2023; the network remained the same as in the previous reporting year. Monitoring well-related activities were limited to visual inspection of well conditions prior to sampling, recording the site conditions, and performing exterior maintenance to perform sampling under safe and clean conditions.

#### **3.3 Assessment Monitoring**

The GSA began 2023 in assessment monitoring pursuant to 40 CFR § 257.95(a). The first semi-annual assessment monitoring event was completed by sampling wells for Appendix III and Appendix IV parameters in April 2023, and the semi-annual monitoring event was repeated in October 2023 pursuant to 40 CFR § 257.95(f). Analytical data from the semi-annual monitoring events are included as **Appendix A, Laboratory Analytical and Field Sampling Reports**, in accordance with the requirements of § 257.90(e)(3).

## 4.0 SAMPLE METHODOLOGY & ANALYSIS

The following describes the methods used to complete groundwater monitoring at the GSA.

### 4.1 Groundwater Flow Direction, Gradient, and Velocity

Before each sampling event, groundwater levels were measured and recorded to the nearest 0.01 foot within 24 hours. Groundwater levels recorded during the monitoring events are summarized in **Table 2, Groundwater Elevations Summary - 2023**. Groundwater levels and top of casing elevations were used to calculate groundwater elevation and develop the potentiometric surface elevation contour map provided as **Figures 3 and 4, Potentiometric Surface Contour Map(s)**. As shown on **Figures 3 and 4**, the general direction of groundwater flow is southwest. The groundwater flow pattern observed during the 2023 monitoring events is consistent with historic observations.

Groundwater flow velocities at the site were calculated based on hydraulic gradients, hydraulic conductivity from previous slug test results, and an estimated effective porosity of the screened horizon. Based on slug test data at the site, hydraulic conductivity is approximately 25 feet per day. The hydraulic gradient was calculated between well pairs shown on **Table 3, Groundwater Flow Velocity Calculations - 2023**. An 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  $\left(\frac{\text{feet}}{\text{day}}\right)$

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

$i$  = Horizontal hydraulic gradient

$n_e$  = Effective porosity

Using this equation, groundwater flow velocities are calculated for various areas of the site and are tabulated on **Table 3**.

Groundwater monitoring wells MW-1 and MW-7 were used as points for calculating Flow Path A and MW-10 and MW-6 were used to calculate Flow Path B. The horizontal hydraulic gradients range from 0.0012 ft/ft to 0.0014 ft/ft. As presented on **Table 3**, groundwater flow velocity at the site ranges from approximately 0.15 feet/day (or approximately 56.04 feet/year) to 0.18 feet/day (or approximately 66.28 feet/year) across the GSA. These calculated groundwater flow velocities are consistent with historical calculations and with expected velocities.

### 4.2 Groundwater Sampling

Groundwater samples were collected from monitoring wells using low-flow sampling procedures in accordance with § 257.93(a). All monitoring wells at the GSA are equipped with a dedicated pump. Monitoring wells were purged and sampled using low-flow sampling procedures whereby samples are

collected when field water quality parameters (pH, turbidity, conductivity, and dissolved oxygen) were measured to determine stabilization. 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

During purging and sampling a SmarTroll or AQUA Troll instrument was used to monitor and record field parameters. Once stabilization was achieved, samples were collected and submitted to the laboratory following standard chain-of-custody (COC) protocol.

### 4.3 Laboratory Analysis

Laboratory analyses was performed by Eurofins Environment Testing (Eurofins) of Pittsburgh, Pennsylvania and St. Louis, Missouri. 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**.

### 4.4 Quality Assurance and Quality Control

During each sampling event, quality assurance/quality control samples (QA/QC) were collected at a rate of one sample per every 10 detection samples. Equipment blanks and duplicate samples were also collected during each sampling event. QA/QC sample data was evaluated during data validation and is included in **Appendix A**. When values are followed by a "J" flag, this indicates that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (RL). The estimated value is positively identified but is below the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.

Analytical precision is measured through the calculation of the relative percent difference (RPD) of two data sets generated from a similar source. Here, comparison of samples to field duplicate samples is used as a measure of laboratory precision. For groundwater analytical data, quality control procedures include calculating the RPD (where field duplicates are collected) between the sample and duplicate sample duplicate concentrations. The calculation is:

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

Where:

RPD = Relative Percent Difference (%)

Conc1 = Higher concentration of the sample or field duplicate

Conc2 = Lower concentration of the sample or field duplicate

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 2023 sampling events.

During the second semi-annual sampling event, boron was detected at an estimated (J-flagged) concentration (0.0251 mg/L) and calcium was detected at an estimated (J-flagged) concentration (0.185 mg/L) in the field blank. For sample results less than five times the blank concentrations, the results are qualified with (+) U\*. Concentrations less than five times the blank concentrations were not detected in any of the samples; therefore, the data does not need further validation or additional qualifiers.

## 5.0 STATISTICAL ANALYSIS

Statistical analysis of Appendix III and IV 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. The statistical method used at the site was developed by Groundwater Stats Consulting, LLC. (GSC), in accordance with 40 CFR § 257.93(f) using methodology presented in Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance, March 2009, EPA 530/R-09-007 (USEPA, 2009). Results are included in **Appendix B, Statistical Data Evaluation**.

### 5.1 Statistical Methodology and Test

The Sanitas Groundwater statistical software is used to perform the statistical analyses. Sanitas is a decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by EPA regulations. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) and the EPA Unified Guidance (2009).

#### 5.1.1 Appendix III Evaluation

Statistical tests used to evaluate the groundwater monitoring data consist of intrawell prediction limits combined with a 1-of-2 verification resample plan for each of the Appendix III parameters. Intrawell prediction limits use screened historical data within a given well to establish limits for parameter at that well. 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, a statistically significant increase (SSI) is identified. If the second sample is below its respective background limit, there is no SSI. A summary table of the statistical limits accompanies the prediction limits in **Appendix B**.

#### 5.1.2 Appendix IV Evaluation

When in assessment monitoring, Appendix IV constituents are sampled semi-annually, and concentrations are compared to GWPS. Unlike the statistical evaluation of Appendix III constituents (where single-sample results are compared to the statistical limit), Appendix IV analysis uses the pooled results from each downgradient well to develop a well-specific Confidence Interval that is compared to the statistical limit. The statistical limit is either the tolerance limit (i.e., background) calculated using the pool of all available upgradient well data (see Chapter 7 of the Unified Guidance), or an applicable groundwater protection standard such as the Maximum Contaminant Level (MCL). Appendix IV background data are screened for outliers and extreme trending patterns that would lead to artificially elevated statistical limits.

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

As described in § 257.95(h)(1)-(3), the GWPS is:

- (1) The maximum contaminant level (MCL) established under § 141.62 and 141.66 of this title.
- (2) Where an MCL has not been established:
  - (i) Cobalt 0.006 milligrams per liter (mg/L);

- (ii) Lead 0.015 mg/L;
  - (iii) Lithium 0.040 mg/L; and
  - (iv) Molybdenum 0.100 mg/L.
- (3) Background levels for constituents where the background level is higher than the MCL or rule-identified GWPS.

Following the above requirements, GWPS have been established for statistical comparison of Appendix IV constituents.

## 5.2 Statistical Analysis Results

Analytical data from the 2023 semi-annual monitoring events in April and October were statistically analyzed in accordance with the PE-certified Statistical Analysis Plan (October 2017) and Statistical Background Updates performed by GSC (December 2019). Appendix III statistical analysis was performed to determine if constituents have returned to background levels. Appendix IV assessment monitoring parameters were evaluated to determine if concentrations statistically exceeded the established groundwater protection standard.

### 5.2.1 Appendix III Constituents

A review of the Sanitas results, presented in **Appendix B**, identified the following Appendix III SSIs during the first semi-annual monitoring event:

- MW-2 (upgradient): pH
- MW-3: Calcium
- MW-4: pH
- MW-5: Sulfate
- MW-7: Calcium
- MW-9: pH
- MW-10 (upgradient): pH, Sulfate

During the second semi-annual monitoring event, the following SSIs were identified over background:

- MW-1 (upgradient): Boron
- MW-3: Calcium
- MW-5: Sulfate
- MW-7: Calcium
- MW-9: Sulfate
- MW-10 (upgradient): Sulfate

Since the site is performing assessment monitoring, no further action is required regarding these SSIs.

### 5.2.2 Appendix IV Constituents

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

To complete the statistical comparison to GWPS, confidence intervals were constructed for each of the Appendix IV parameters in each downgradient well. Those confidence intervals were compared to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. A review of the Sanitas results presented in **Appendix B** did not identify any Appendix IV SSLs during the first or second semi-annual monitoring events.



## **6.0 MONITORING PROGRAM STATUS**

In accordance with § 257.94(e), MPC implemented assessment monitoring in January 2020. SSIs of Appendix III were identified at the GSA during the first and second semi-annual sampling events conducted in 2023 and the site remained in assessment monitoring. Since no SSLs of Appendix IV constituents were observed over the GWPS, in accordance with § 257.95(d), MPC will continue assessment monitoring and will not implement assessment of corrective measures under § 257.96.

## **7.0 CONCLUSIONS & FUTURE ACTIONS**

The GSA began 2023 in assessment monitoring pursuant to 40 CFR § 257.95(a). The first semi-annual assessment monitoring event was completed by sampling monitoring wells for Appendix III and Appendix IV parameters in April 2023, and the semi-annual monitoring was repeated in October 2023 pursuant to 40 CFR § 257.95(f). Statistical evaluations of the 2023 assessment monitoring data identified no SSLs of Appendix IV constituents above the GWPS. Therefore, in accordance with § 257.95(d), MPC will continue assessment monitoring.

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

- Continue semi-annual assessment monitoring in 2024.
- Submit the 2024 Annual Groundwater and Corrective Report by January 31, 2025.

## 8.0 REFERENCES

- 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.
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- 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.

# Tables

**Table 1.  
Monitoring Well Network Summary**

<b>Well ID</b>	<b>Purpose</b>	<b>Installation Date</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Total Well Depth (feet)</b>	<b>Top of Casing Elevation (feet MSL )</b>	<b>Ground Elevation (feet MSL)</b>	<b>Top of Screen Elevation (feet MSL)</b>	<b>Bottom of Screen Elevation (feet MSL)</b>
MW-1	Upgradient	6/10/2014	30.55779	-88.54887	53.04	38.89	35.85	-3.65	-13.65
MW-2	Upgradient	6/9/2014	30.55535	-88.54643	53.07	37.46	34.39	-5.11	-15.11
MW-3	Downgradient	3/5/2014	30.55444	-88.5547	53.04	37.71	34.67	-4.83	-14.83
MW-4	Downgradient	6/12/2014	30.55728	-88.5526	52.6	39.16	36.56	-2.94	-12.94
MW-5	Downgradient	7/28/2015	30.55765	-88.55101	56.44	39.28	36.64	-6.86	-16.86
MW-6	Downgradient	7/27/2015	30.55638	-88.55469	56.2	37.60	35.20	-8.30	-8.30
MW-7	Downgradient	7/26/2015	30.55356	-88.55339	54.9	34.60	32.10	-10.00	-20.00
MW-8	Downgradient	7/26/2015	30.55365	-88.5506	55.99	35.39	32.80	-10.30	-20.30
MW-9	Downgradient	7/26/2015	30.55428	-88.54818	56.42	36.10	33.48	-10.02	-20.02
MW-10	Upgradient	7/27/2015	30.55697	-88.54666	56.54	39.12	36.08	-7.12	-17.12

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 - 2023**

Well ID	Top of Casing Elevation (feet MSL)	Groundwater Elevations (feet MSL)	
		April 17, 2023	October 23, 2023
MW-1	38.89	18.12	16.75
MW-2	37.46	18.26	17.07
MW-3	37.71	14.93	13.95
MW-4	39.16	16.59	15.33
MW-5	39.28	17.37	16.04
MW-6	37.60	15.66	14.43
MW-7	34.60	15.10	14.17
MW-8	35.39	16.09	15.02
MW-9	36.10	17.24	16.07
MW-10	39.12	18.80	17.54

Notes:

1. MSL refers to Mean Sea Level

**Table 3.**  
**Groundwater Flow Velocity Calculations - 2023**

<b>Flow Path A</b>								
	<b>MW-1</b>	<b>MW-7</b>	<b>Distance</b>	<b>Hydraulic Gradient</b>	<b>Hydraulic Conductivity</b>	<b>Assumed Effective Porosity (ne)</b>	<b>Calculated Groundwater Flow Velocity (feet/day)</b>	<b>Calculated Groundwater Flow Velocity (feet/year)</b>
	<b>h<sub>1</sub> (ft)</b>	<b>h<sub>2</sub> (ft)</b>	<b>Δl (ft)</b>	<b>Δh/Δl (ft/ft)</b>	<b>K</b>			
<b>April 17, 2023</b>	18.12	15.10	2086.47	0.0014	25.09	0.2	0.18	66.28
<b>October 23, 2023</b>	16.75	14.17	2086.47	0.0012	25.09	0.2	0.16	56.62

<b>Flow Path B</b>								
	<b>MW-10</b>	<b>MW-6</b>	<b>Distance</b>	<b>Hydraulic Gradient</b>	<b>Hydraulic Conductivity</b>	<b>Assumed Effective Porosity (ne)</b>	<b>Calculated Groundwater Flow Velocity (feet/day)</b>	<b>Calculated Groundwater Flow Velocity (feet/year)</b>
	<b>h<sub>1</sub> (ft)</b>	<b>h<sub>2</sub> (ft)</b>	<b>Δl (ft)</b>	<b>Δh/Δl (ft/ft)</b>	<b>K</b>			
<b>April 17, 2023</b>	18.80	15.66	2540.99	0.0012	25.09	0.2	0.16	56.58
<b>October 23, 2023</b>	17.54	14.43	2540.99	0.0012	25.09	0.2	0.15	56.04

Notes:

ft=feet

ft/d = feet/day

ft/ft = feet per foot

ft/yr = feet per year

**Table 4.  
Relative Percent Difference Calculations**

<b>1st Semi-Annual Monitoring Event</b>				
<b>Parameter</b>	<b>Units</b>	<b>Monitoring Point Identification</b>		<b>Relative Percent Difference (RPD %)</b>
		<b>MW-3</b>	<b>DUP-01</b>	
Chloride	mg/L	8.55	8.54	0.1
Sulfate	mg/L	1.58	1.66	4.9
Barium	mg/L	0.094	0.0949	0.5
Calcium	mg/L	1.66	1.65	0.6
Cobalt	mg/L	0.00157	0.00161	2.5
TDS	mg/L	42.0	41.0	2.4
<b>Parameter</b>	<b>Units</b>	<b>Monitoring Point Identification</b>		<b>Relative Percent Difference (RPD %)</b>
		<b>MW-10</b>	<b>DUP-02</b>	
Chloride	mg/L	3.91	4.25	8.3
Sulfate	mg/L	3.39	3.37	0.6
Barium	mg/L	0.0229	0.0217	5.4
Calcium	mg/L	0.853	0.808	5.4
Cobalt	mg/L	0.000700	0.000620	12.1
TDS	mg/L	35.0	35.0	0.0

<b>2nd Semi-Annual Monitoring Event</b>				
<b>Parameter</b>	<b>Units</b>	<b>Monitoring Point Identification</b>		<b>Relative Percent Difference (RPD %)</b>
		<b>MW-3</b>	<b>DUP-03</b>	
Chloride	mg/L	9.28	10.0	7.5
Sulfate	mg/L	1.97	1.98	0.5
Barium	mg/L	0.092	0.0924	0.4
Calcium	mg/L	1.84	1.92	4.3
Cobalt	mg/L	0.00158	0.00160	1.3
TDS	mg/L	29.0	26.0	10.9
<b>Parameter</b>	<b>Units</b>	<b>Monitoring Point Identification</b>		<b>Relative Percent Difference (RPD %)</b>
		<b>MW-8</b>	<b>DUP-05</b>	
Chloride	mg/L	5.18	5.4	3.6
Sulfate	mg/L	2.55	2.40	6.1
Barium	mg/L	0.0679	0.1	1.0
Calcium	mg/L	1.55	1.57	1.3
Cobalt	mg/L	0.00067	0.000685	2.2
TDS	mg/L	19.0	16.0	17.1



**Table 5.**  
**Summary of Background Levels and Groundwater Protection Standards**

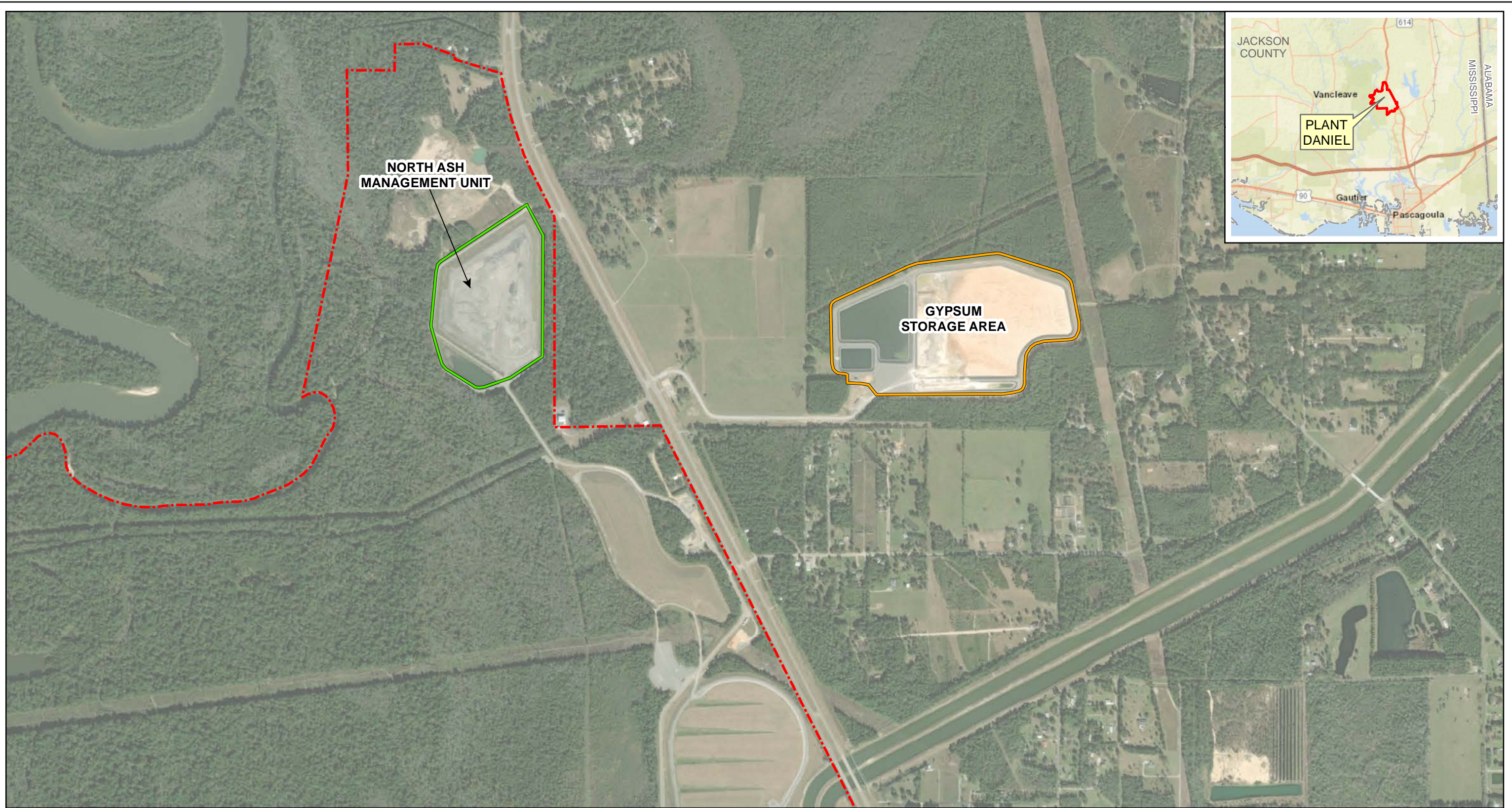
<b>Analyte</b>	<b>Units</b>	<b>Background</b>	<b>Rule-Identified GWPS</b>	<b>GWPS</b>
Antimony	mg/L	0.002	0.006	0.006
Arsenic	mg/L	0.0063	0.01	0.01
Barium	mg/L	0.22 / 0.25	2	2
Beryllium	mg/L	0.0005 / 0.001	0.004	0.004
Cadmium	mg/L	0.0005 / 0.001	0.005	0.005
Chromium	mg/L	0.0073	0.1	0.1
Cobalt	mg/L	0.0044	0.006	0.006
Combined Radium-226/228	pCi/L	3.2 / 3.16	5	5
Fluoride	mg/L	0.1	4	4
Lead	mg/L	0.0025 / 0.001	0.015	0.015
Lithium	mg/L	0.005 / 0.005	0.04	0.04
Mercury	mg/L	0.00031	0.002	0.002
Molybdenum	mg/L	0.005	0.1	0.1
Selenium	mg/L	0.0071	0.05	0.05
Thallium	mg/L	0.001	0.002	0.002

Notes:

1. mg/L - Milligrams per liter
2. pCi/L - Picocuries per liter
3. If background is less than the rule-identified GWPS, the rule-identified GWPS was used for statistical analysis.
4. Background concentrations for beryllium, cadmium, combined radium, lead, and lithium were updated between the first semi-annual monitoring event and second semi-annual monitoring event, shown in order.

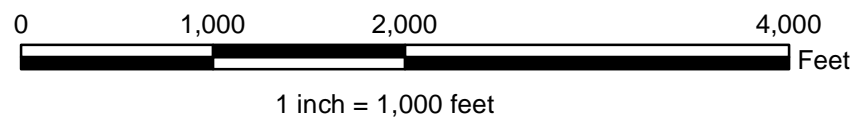
# Figures





**Legend**

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



SCALE	1:12000
DATE	12/21/2023
DRAWN BY	KAR
CHECKED BY	RFS

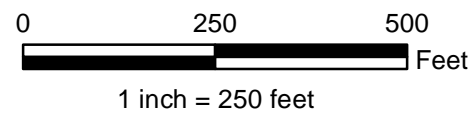
DRAWING TITLE	
<b>SITE LOCATION MAP PLANT DANIEL GYPSUM STORAGE AREA</b>	
DRAWING NO	<b>FIGURE 1</b>
Southern Company	





**Legend**

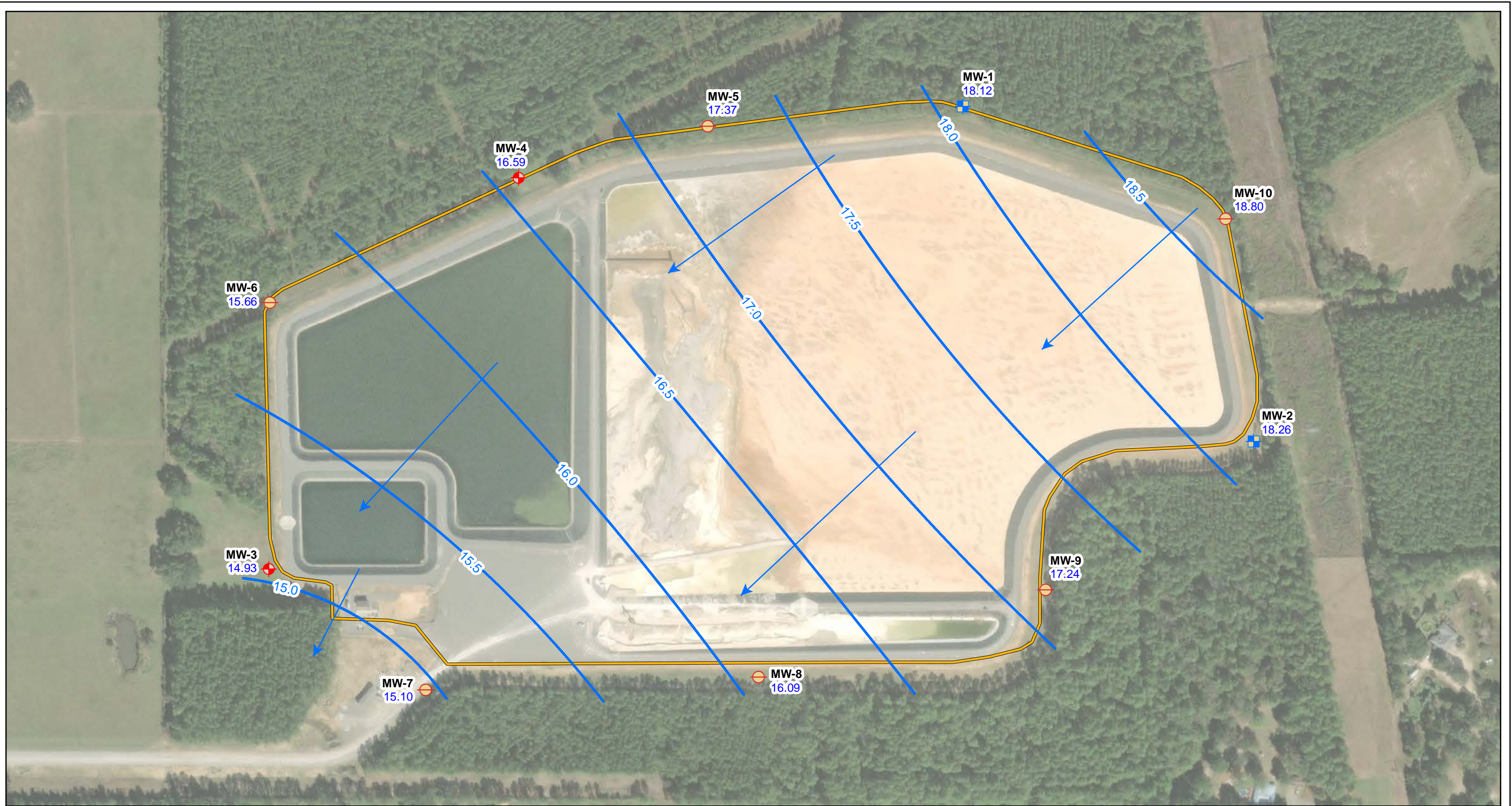
- Upgradient Monitoring Well
- Downgradient Monitoring Well
- ⊙ Piezometer (Water Level Only)
- Gypsum Storage Area



SCALE	1:3000
DATE	12/21/2023
DRAWN BY	KAR
CHECKED BY	RFS

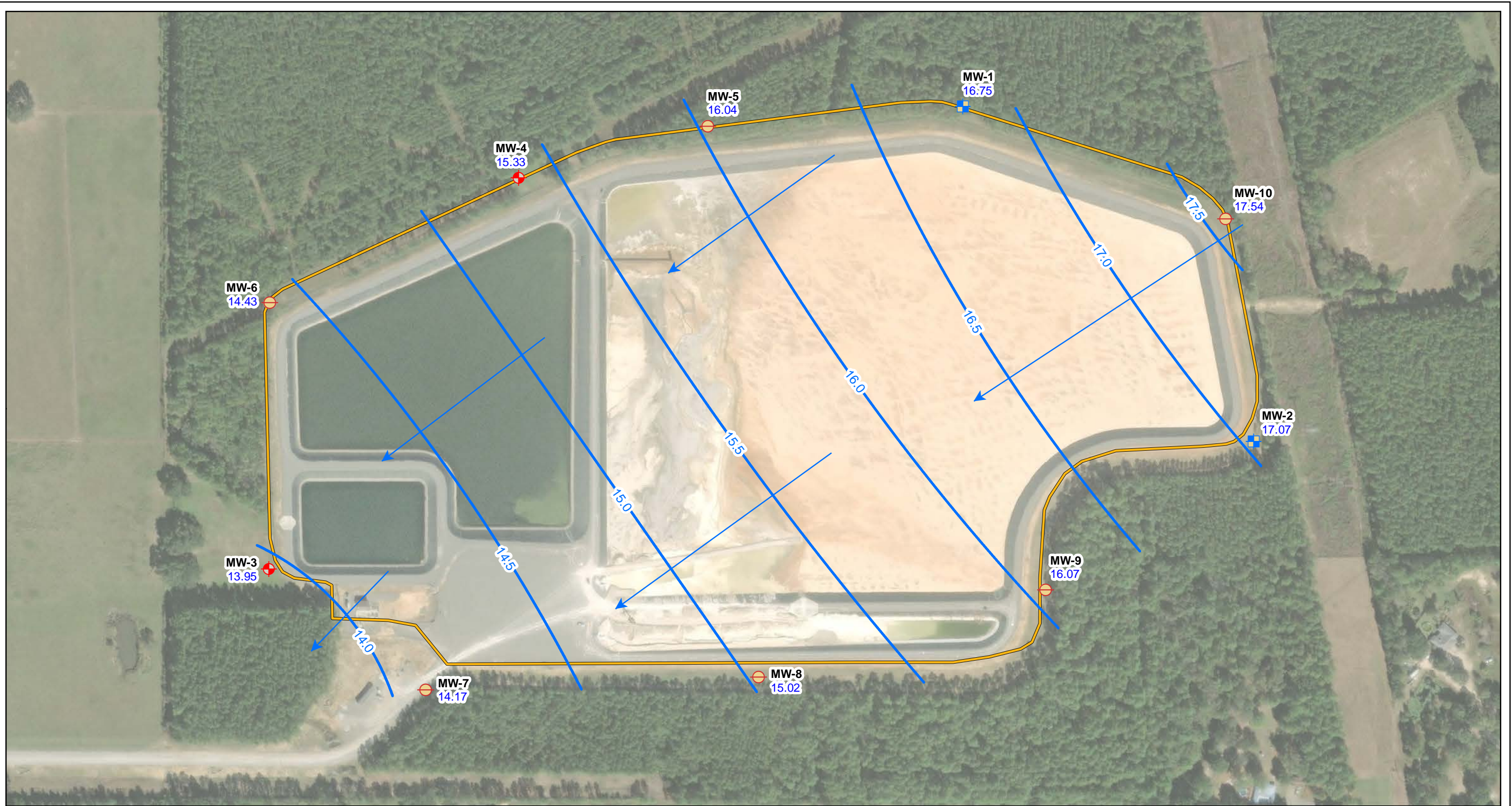
DRAWING TITLE	
MONITORING WELL LOCATION MAP PLANT DANIEL GYPSUM STORAGE AREA	
DRAWING NO	<b>FIGURE 2</b>
Southern Company	





<b>Legend</b> Upgradient Monitoring Well Downgradient Monitoring Well Piezometer (Water Level Only) Estimated Potentiometric Surface Contour Approximate Groundwater Flow Direction Gypsum Storage Area	 N	 0 250 500 Feet Note: ft NAVD88 indicates feet relative to the North American Vertical Datum of 1988.	SCALE 1:3000	DRAWING TITLE POTENTIOMETRIC SURFACE CONTOUR MAP APRIL 17, 2023 PLANT DANIEL GYPSUM STORAGE AREA	
			DATE 12/21/2023	DRAWING NO <b>FIGURE 3</b>	
<b>MW-1</b> Well Name 18.12 Groundwater Elevation (ft NAVD88)			DRAWN BY KWR	Southern Company	
			CHECKED BY RFS		





<b>Legend</b> Upgradient Monitoring Well Downgradient Monitoring Well Piezometer (Water Level Only) Estimated Potentiometric Surface Contour Approximate Groundwater Flow Direction Gypsum Storage Area <b>MW-1</b> Well Name <b>16.75</b> Groundwater Elevation (ft NAVD88)		 Note: ft NAVD88 indicates feet relative to the North American Vertical Datum of 1988.	SCALE 1:3000	DRAWING TITLE <b>POTENTIOMETRIC SURFACE CONTOUR MAP</b> <b>OCTOBER 23, 2023</b> <b>PLANT DANIEL</b> <b>GYP SUM STORAGE AREA</b>
			DATE 12/21/2023	
			DRAWN BY KWR	
			CHECKED BY RFS	DRAWING NO <b>FIGURE 4</b>

# Appendix A

**1st**  
**Semi-Annual**  
**Monitoring Event**



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 5/10/2023 3:39:14 PM Revision 1

**JOB DESCRIPTION**

Plant Daniel GSA CCR

**JOB NUMBER**

180-155411-1

# Eurofins Pittsburgh

## 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



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

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Revision 1



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# Case Narrative

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

Job ID: 180-155411-1

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**Job ID: 180-155411-1**

---

**Laboratory: Eurofins Pittsburgh**

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**Narrative**

**Job Narrative**  
**180-155411-1**

**Comments**

051023 Revid report to include field pH data at client request. This report replaces the report previously issued on 050423

**Receipt**

The samples were received on 4/20/2023 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8° C, 2.4° C, 2.6° C and 4.0° C.

**GC Semi VOA**

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

**Metals**

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

**General Chemistry**

Method SM 2540C: The sample duplicate precision for the following sample associated with analytical batch 180-433366 was outside control limits: MW-9 (180-155411-9). The associated Laboratory Control Sample (LCS) precision met acceptance criteria.

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 GSA CCR

Job ID: 180-155411-1

## 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.

### General Chemistry

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 GSA CCR

Job ID: 180-155411-1

## 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	19-033-0	05-03-23
California	State	2891	04-30-23
Connecticut	State	PH-0688	05-03-23
Florida	NELAP	E871008	05-03-23
Georgia	State	PA 02-00416	04-30-23
Illinois	NELAP	004375	05-03-23
Kansas	NELAP	E-10350	05-03-23
Kentucky (UST)	State	162013	04-30-23
Kentucky (WW)	State	KY98043	05-03-23
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	05-03-23
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	05-03-23
New Hampshire	NELAP	2030	05-03-23
New Jersey	NELAP	PA005	05-03-23
New York	NELAP	11182	05-03-23
North Carolina (WW/SW)	State	434	05-03-23
North Dakota	State	R-227	04-30-23
Oregon	NELAP	PA-2151	02-06-24
Pennsylvania	NELAP	02-00416	05-03-23
Rhode Island	State	LAO00362	12-31-22 *
South Carolina	State	89014	04-30-23
Texas	NELAP	T104704528	05-03-23
US Fish & Wildlife	US Federal Programs	058448	03-31-24
USDA	US Federal Programs	P330-16-00211	06-21-24
Utah	NELAP	PA001462019-8	05-03-23
Virginia	NELAP	10043	05-03-23
West Virginia DEP	State	142	05-03-23
Wisconsin	State	998027800	08-31-23

## 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	06-30-23
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas DEQ	State	19-015-0	02-01-24
California	State	2939	06-30-23
Florida	NELAP	E87052	06-30-23
Georgia	State	E87052	06-30-23
Georgia (DW)	State	803	06-30-23
Guam	State	19-007R	04-17-24
Hawaii	State	<cert No.>	06-30-23
Illinois	NELAP	200022	11-30-23
Indiana	State	C-GA-02	06-30-23
Iowa	State	353	07-01-23
Kentucky (UST)	State	NA	06-30-23
Louisiana	NELAP	30690	06-30-23
Louisiana (All)	NELAP	30690	06-30-23

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

Eurofins Pittsburgh

# Accreditation/Certification Summary

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

Job ID: 180-155411-1

## 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
Louisiana (DW)	State	LA009	12-31-23
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-23
Massachusetts	State	M-GA006	06-30-23
Michigan	State	9925	06-30-23
Mississippi	State	<cert No.>	06-30-23
Nebraska	State	NE-OS-7-04	06-30-23
New Jersey	NELAP	GA769	06-30-23
New Mexico	State	GA00006	06-30-23
North Carolina (DW)	State	13701	07-31-23
North Carolina (WW/SW)	State	269	12-31-23
Pennsylvania	NELAP	68-00474	06-30-23
Puerto Rico	State	GA00006	01-01-24
South Carolina	State	98001	06-30-23
Tennessee	State	TN02961	06-30-23
Texas	NELAP	T1047004185-19-14	11-30-23
Texas	TCEQ Water Supply	T104704185	06-30-23
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-23
Wyoming	State	8TMS-L	06-30-23

# Sample Summary

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

Job ID: 180-155411-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155411-1	MW-1	Water	04/18/23 09:30	04/20/23 09:00
180-155411-2	MW-2	Water	04/18/23 17:58	04/20/23 09:00
180-155411-3	MW-3	Water	04/17/23 16:02	04/20/23 09:00
180-155411-4	MW-4	Water	04/17/23 18:02	04/20/23 09:00
180-155411-5	MW-5	Water	04/18/23 14:52	04/21/23 09:30
180-155411-6	MW-6	Water	04/18/23 08:18	04/20/23 09:00
180-155411-7	MW-7	Water	04/18/23 11:15	04/20/23 09:00
180-155411-8	MW-8	Water	04/18/23 13:15	04/20/23 09:00
180-155411-9	MW-9	Water	04/18/23 19:40	04/21/23 09:30
180-155411-10	MW-10	Water	04/18/23 15:52	04/21/23 09:30
180-155411-11	DUP-01	Water	04/17/23 15:02	04/20/23 09:00
180-155411-12	DUP-02	Water	04/18/23 14:52	04/20/23 09:00
180-155411-13	EB-01	Water	04/18/23 12:15	04/20/23 09:00
180-155411-14	FB-01	Water	04/18/23 11:58	04/20/23 09:00





# Method Summary

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

Job ID: 180-155411-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	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
7470A	Preparation, Mercury	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 GSA CCR

Job ID: 180-155411-1

## Client Sample ID: MW-1

## Lab Sample ID: 180-155411-1

Date Collected: 04/18/23 09:30

Matrix: Water

Date Received: 04/20/23 09:00

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	433084	04/22/23 23:43	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776423	05/02/23 10:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 21:52	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:18	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 10:30	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-2

## Lab Sample ID: 180-155411-2

Date Collected: 04/18/23 17:58

Matrix: Water

Date Received: 04/20/23 09:00

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	433084	04/22/23 21:52	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776423	05/02/23 10:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 21:56	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:23	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 18:58	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-3

## Lab Sample ID: 180-155411-3

Date Collected: 04/17/23 16:02

Matrix: Water

Date Received: 04/20/23 09:00

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	433084	04/22/23 22:10	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776423	05/02/23 10:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 22:00	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:25	JKL	EET SAV
Instrument ID: QuickTrace2										

Eurofins Pittsburgh

# Lab Chronicle

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

Job ID: 180-155411-1

## Client Sample ID: MW-3

Lab Sample ID: 180-155411-3

Date Collected: 04/17/23 16:02

Matrix: Water

Date Received: 04/20/23 09:00

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	433067	04/21/23 17:37	LWM	EET PIT
Total/NA	Analysis	Field Sampling		1			434791	04/17/23 17:02	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-4

Lab Sample ID: 180-155411-4

Date Collected: 04/17/23 18:02

Matrix: Water

Date Received: 04/20/23 09:00

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	433084	04/23/23 00:38	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776423	05/02/23 10:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 22:12	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:26	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433233	04/24/23 17:18	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/17/23 19:02	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-5

Lab Sample ID: 180-155411-5

Date Collected: 04/18/23 14:52

Matrix: Water

Date Received: 04/21/23 09:30

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	433084	04/23/23 00:56	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776423	05/02/23 10:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 22:17	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:28	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433366	04/25/23 21:51	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 15:52	FDS	EET PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-155411-1

## Client Sample ID: MW-6

## Lab Sample ID: 180-155411-6

Date Collected: 04/18/23 08:18

Matrix: Water

Date Received: 04/20/23 09:00

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	433084	04/23/23 01:15	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776423	05/02/23 10:29	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 22:21	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:29	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 09:18	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-7

## Lab Sample ID: 180-155411-7

Date Collected: 04/18/23 11:15

Matrix: Water

Date Received: 04/20/23 09:00

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	433084	04/23/23 01:33	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 19:30	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:34	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 12:15	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-8

## Lab Sample ID: 180-155411-8

Date Collected: 04/18/23 13:15

Matrix: Water

Date Received: 04/20/23 09:00

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	433084	04/23/23 01:52	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 19:42	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:36	JKL	EET SAV
Instrument ID: QuickTrace2										

Eurofins Pittsburgh

# Lab Chronicle

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

Job ID: 180-155411-1

## Client Sample ID: MW-8

## Lab Sample ID: 180-155411-8

Date Collected: 04/18/23 13:15

Matrix: Water

Date Received: 04/20/23 09:00

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	433364	04/25/23 21:06	LWM	EET PIT
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 14:15	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-9

## Lab Sample ID: 180-155411-9

Date Collected: 04/18/23 19:40

Matrix: Water

Date Received: 04/21/23 09:30

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	433084	04/23/23 02:10	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 19:46	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:37	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433366	04/25/23 21:51	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 20:40	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-10

## Lab Sample ID: 180-155411-10

Date Collected: 04/18/23 15:52

Matrix: Water

Date Received: 04/21/23 09:30

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	433084	04/23/23 02:29	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 19:50	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:39	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			434791	04/18/23 16:52	FDS	EET PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-155411-1

**Client Sample ID: DUP-01**  
**Date Collected: 04/17/23 15:02**  
**Date Received: 04/20/23 09:00**

**Lab Sample ID: 180-155411-11**  
**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	433084	04/23/23 03:24	SNL	EET PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 19:54	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:40	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433233	04/24/23 17:18	LWM	EET PIT
Instrument ID: NOEQUIP										

**Client Sample ID: DUP-02**  
**Date Collected: 04/18/23 14:52**  
**Date Received: 04/20/23 09:00**

**Lab Sample ID: 180-155411-12**  
**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	433275	04/25/23 18:54	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 19:58	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:42	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	EET PIT
Instrument ID: NOEQUIP										

**Client Sample ID: EB-01**  
**Date Collected: 04/18/23 12:15**  
**Date Received: 04/20/23 09:00**

**Lab Sample ID: 180-155411-13**  
**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	433275	04/25/23 19:09	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 20:10	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776644	05/02/23 11:43	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	EET PIT
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-155411-1

**Client Sample ID: FB-01**

**Lab Sample ID: 180-155411-14**

**Date Collected: 04/18/23 11:58**

**Matrix: Water**

**Date Received: 04/20/23 09:00**

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	433275	04/25/23 19:23	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	125 mL	776480	05/02/23 12:13	RR	EET SAV
Total Recoverable	Analysis	6020B		1			776852	05/03/23 20:15	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	776266	05/01/23 14:25	JKL	EET SAV
Total/NA	Analysis	7470A		1			776762	05/02/23 15:34	JKL	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	433364	04/25/23 21:06	LWM	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

FDS = Sampler Field

LWM = Leslie McIntire

SNL = Sean Lordo

Lab: EET SAV

Batch Type: Prep

JKL = Jon Lawhon

RR = Robert Rancourt

Batch Type: Analysis

BWR = Bryn Robertson

JKL = Jon Lawhon

# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-1**

**Lab Sample ID: 180-155411-1**

Date Collected: 04/18/23 09:30

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.07		1.00	0.713	mg/L			04/22/23 23:43	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/22/23 23:43	1
Sulfate	7.46		1.00	0.756	mg/L			04/22/23 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 10:29	05/03/23 21:52	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 10:29	05/03/23 21:52	1
Barium	0.106		0.00500	0.000890	mg/L		05/02/23 10:29	05/03/23 21:52	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 10:29	05/03/23 21:52	1
Boron	0.0647	J	0.100	0.0220	mg/L		05/02/23 10:29	05/03/23 21:52	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 10:29	05/03/23 21:52	1
Calcium	3.03		0.500	0.140	mg/L		05/02/23 10:29	05/03/23 21:52	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 10:29	05/03/23 21:52	1
Cobalt	0.00104		0.000500	0.000220	mg/L		05/02/23 10:29	05/03/23 21:52	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 10:29	05/03/23 21:52	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 10:29	05/03/23 21:52	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 10:29	05/03/23 21:52	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 10:29	05/03/23 21:52	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 10:29	05/03/23 21:52	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	37.0		10.0	10.0	mg/L			04/25/23 21:06	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.80				SU			04/18/23 10:30	1

**Client Sample ID: MW-2**

**Lab Sample ID: 180-155411-2**

Date Collected: 04/18/23 17:58

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.09		1.00	0.713	mg/L			04/22/23 21:52	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/22/23 21:52	1
Sulfate	0.784	J	1.00	0.756	mg/L			04/22/23 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 10:29	05/03/23 21:56	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 10:29	05/03/23 21:56	1
Barium	0.0556		0.00500	0.000890	mg/L		05/02/23 10:29	05/03/23 21:56	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 10:29	05/03/23 21:56	1
Boron	0.0472	J	0.100	0.0220	mg/L		05/02/23 10:29	05/03/23 21:56	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 10:29	05/03/23 21:56	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-2**

**Lab Sample ID: 180-155411-2**

Date Collected: 04/18/23 17:58

Matrix: Water

Date Received: 04/20/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	0.980		0.500	0.140	mg/L		05/02/23 10:29	05/03/23 21:56	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 10:29	05/03/23 21:56	1
Cobalt	0.000965		0.000500	0.000220	mg/L		05/02/23 10:29	05/03/23 21:56	1
Lead	0.000255	J	0.00250	0.000210	mg/L		05/02/23 10:29	05/03/23 21:56	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 10:29	05/03/23 21:56	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 10:29	05/03/23 21:56	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 10:29	05/03/23 21:56	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 10:29	05/03/23 21:56	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	35.0		10.0	10.0	mg/L			04/25/23 21:06	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.61				SU			04/18/23 18:58	1

**Client Sample ID: MW-3**

**Lab Sample ID: 180-155411-3**

Date Collected: 04/17/23 16:02

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.55		1.00	0.713	mg/L			04/22/23 22:10	1
Fluoride	0.0355	J	0.100	0.0260	mg/L			04/22/23 22:10	1
Sulfate	1.58		1.00	0.756	mg/L			04/22/23 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 10:29	05/03/23 22:00	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 10:29	05/03/23 22:00	1
Barium	0.0944		0.00500	0.000890	mg/L		05/02/23 10:29	05/03/23 22:00	1
Beryllium	0.000290	J	0.000500	0.000200	mg/L		05/02/23 10:29	05/03/23 22:00	1
Boron	0.0460	J	0.100	0.0220	mg/L		05/02/23 10:29	05/03/23 22:00	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 10:29	05/03/23 22:00	1
Calcium	1.66		0.500	0.140	mg/L		05/02/23 10:29	05/03/23 22:00	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 10:29	05/03/23 22:00	1
Cobalt	0.00157		0.000500	0.000220	mg/L		05/02/23 10:29	05/03/23 22:00	1
Lead	0.000545	J	0.00250	0.000210	mg/L		05/02/23 10:29	05/03/23 22:00	1
Lithium	0.00208	J	0.00500	0.00200	mg/L		05/02/23 10:29	05/03/23 22:00	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 10:29	05/03/23 22:00	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 10:29	05/03/23 22:00	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 10:29	05/03/23 22:00	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:25	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-3**  
Date Collected: 04/17/23 16:02  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-3**  
Matrix: Water

**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			04/21/23 17:37	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.40				SU			04/17/23 17:02	1

**Client Sample ID: MW-4**  
Date Collected: 04/17/23 18:02  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-4**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.87		1.00	0.713	mg/L			04/23/23 00:38	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/23/23 00:38	1
Sulfate	2.15		1.00	0.756	mg/L			04/23/23 00:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 10:29	05/03/23 22:12	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 10:29	05/03/23 22:12	1
Barium	0.0408		0.00500	0.000890	mg/L		05/02/23 10:29	05/03/23 22:12	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 10:29	05/03/23 22:12	1
Boron	0.0342	J	0.100	0.0220	mg/L		05/02/23 10:29	05/03/23 22:12	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 10:29	05/03/23 22:12	1
Calcium	0.894		0.500	0.140	mg/L		05/02/23 10:29	05/03/23 22:12	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 10:29	05/03/23 22:12	1
Cobalt	0.00103		0.000500	0.000220	mg/L		05/02/23 10:29	05/03/23 22:12	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 10:29	05/03/23 22:12	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 10:29	05/03/23 22:12	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 10:29	05/03/23 22:12	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 10:29	05/03/23 22:12	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 10:29	05/03/23 22:12	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	34.0		10.0	10.0	mg/L			04/24/23 17:18	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.61				SU			04/17/23 19:02	1

**Client Sample ID: MW-5**  
Date Collected: 04/18/23 14:52  
Date Received: 04/21/23 09:30

**Lab Sample ID: 180-155411-5**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.97		1.00	0.713	mg/L			04/23/23 00:56	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-5**

**Lab Sample ID: 180-155411-5**

Date Collected: 04/18/23 14:52

Matrix: Water

Date Received: 04/21/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0260		0.100	0.0260	mg/L			04/23/23 00:56	1
<b>Sulfate</b>	<b>7.27</b>		1.00	0.756	mg/L			04/23/23 00:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 10:29	05/03/23 22:17	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 10:29	05/03/23 22:17	1
<b>Barium</b>	<b>0.0814</b>		0.00500	0.000890	mg/L		05/02/23 10:29	05/03/23 22:17	1
<b>Beryllium</b>	<b>0.000240</b>	<b>J</b>	0.000500	0.000200	mg/L		05/02/23 10:29	05/03/23 22:17	1
<b>Boron</b>	<b>0.0362</b>	<b>J</b>	0.100	0.0220	mg/L		05/02/23 10:29	05/03/23 22:17	1
<b>Cadmium</b>	<b>0.000295</b>	<b>J</b>	0.000500	0.0000780	mg/L		05/02/23 10:29	05/03/23 22:17	1
<b>Calcium</b>	<b>2.34</b>		0.500	0.140	mg/L		05/02/23 10:29	05/03/23 22:17	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 10:29	05/03/23 22:17	1
<b>Cobalt</b>	<b>0.00420</b>		0.000500	0.000220	mg/L		05/02/23 10:29	05/03/23 22:17	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 10:29	05/03/23 22:17	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 10:29	05/03/23 22:17	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 10:29	05/03/23 22:17	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 10:29	05/03/23 22:17	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 10:29	05/03/23 22:17	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:28	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>29.0</b>		10.0	10.0	mg/L			04/25/23 21:51	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>4.58</b>				SU			04/18/23 15:52	1

**Client Sample ID: MW-6**

**Lab Sample ID: 180-155411-6**

Date Collected: 04/18/23 08:18

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.93</b>		1.00	0.713	mg/L			04/23/23 01:15	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/23/23 01:15	1
<b>Sulfate</b>	<b>1.23</b>		1.00	0.756	mg/L			04/23/23 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 10:29	05/03/23 22:21	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 10:29	05/03/23 22:21	1
<b>Barium</b>	<b>0.0432</b>		0.00500	0.000890	mg/L		05/02/23 10:29	05/03/23 22:21	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 10:29	05/03/23 22:21	1
<b>Boron</b>	<b>0.0289</b>	<b>J</b>	0.100	0.0220	mg/L		05/02/23 10:29	05/03/23 22:21	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 10:29	05/03/23 22:21	1
<b>Calcium</b>	<b>0.649</b>		0.500	0.140	mg/L		05/02/23 10:29	05/03/23 22:21	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-6**

**Lab Sample ID: 180-155411-6**

Date Collected: 04/18/23 08:18

Matrix: Water

Date Received: 04/20/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 10:29	05/03/23 22:21	1
<b>Cobalt</b>	<b>0.00213</b>		0.000500	0.000220	mg/L		05/02/23 10:29	05/03/23 22:21	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 10:29	05/03/23 22:21	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 10:29	05/03/23 22:21	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 10:29	05/03/23 22:21	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 10:29	05/03/23 22:21	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 10:29	05/03/23 22:21	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.00242</b>		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>32.0</b>		10.0	10.0	mg/L			04/25/23 21:06	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>4.56</b>				SU			04/18/23 09:18	1

**Client Sample ID: MW-7**

**Lab Sample ID: 180-155411-7**

Date Collected: 04/18/23 11:15

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>7.27</b>		1.00	0.713	mg/L			04/23/23 01:33	1
<b>Fluoride</b>	<b>0.0348</b>	<b>J</b>	0.100	0.0260	mg/L			04/23/23 01:33	1
Sulfate	<0.756		1.00	0.756	mg/L			04/23/23 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 19:30	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 19:30	1
<b>Barium</b>	<b>0.198</b>		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 19:30	1
<b>Beryllium</b>	<b>0.000380</b>	<b>J</b>	0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 19:30	1
Boron	<0.0220		0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 19:30	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 19:30	1
<b>Calcium</b>	<b>2.68</b>		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 19:30	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 19:30	1
<b>Cobalt</b>	<b>0.00232</b>		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 19:30	1
<b>Lead</b>	<b>0.000225</b>	<b>J</b>	0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 19:30	1
<b>Lithium</b>	<b>0.00271</b>	<b>J</b>	0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 19:30	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 19:30	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 19:30	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 19:30	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>&lt;0.0000800</b>		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:34	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-7**  
Date Collected: 04/18/23 11:15  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-7**  
Matrix: Water

**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			04/25/23 21:06	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.32				SU			04/18/23 12:15	1

**Client Sample ID: MW-8**  
Date Collected: 04/18/23 13:15  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-8**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.43		1.00	0.713	mg/L			04/23/23 01:52	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/23/23 01:52	1
Sulfate	2.83		1.00	0.756	mg/L			04/23/23 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 19:42	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 19:42	1
Barium	0.0785		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 19:42	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 19:42	1
Boron	<0.0220		0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 19:42	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 19:42	1
Calcium	1.81		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 19:42	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 19:42	1
Cobalt	0.000790		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 19:42	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 19:42	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 19:42	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 19:42	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 19:42	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 19:42	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	35.0		10.0	10.0	mg/L			04/25/23 21:06	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.66				SU			04/18/23 14:15	1

**Client Sample ID: MW-9**  
Date Collected: 04/18/23 19:40  
Date Received: 04/21/23 09:30

**Lab Sample ID: 180-155411-9**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.44		1.00	0.713	mg/L			04/23/23 02:10	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-9**

**Lab Sample ID: 180-155411-9**

Date Collected: 04/18/23 19:40

Matrix: Water

Date Received: 04/21/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.0260		0.100	0.0260	mg/L			04/23/23 02:10	1
<b>Sulfate</b>	<b>2.88</b>		1.00	0.756	mg/L			04/23/23 02:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 19:46	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 19:46	1
<b>Barium</b>	<b>0.0356</b>		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 19:46	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 19:46	1
<b>Boron</b>	<b>0.0240</b>	<b>J</b>	0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 19:46	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 19:46	1
<b>Calcium</b>	<b>0.757</b>		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 19:46	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 19:46	1
<b>Cobalt</b>	<b>0.000740</b>		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 19:46	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 19:46	1
<b>Lithium</b>	<b>0.00209</b>	<b>J</b>	0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 19:46	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 19:46	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 19:46	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 19:46	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>23.0</b>		10.0	10.0	mg/L			04/25/23 21:51	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>4.75</b>				SU			04/18/23 20:40	1

**Client Sample ID: MW-10**

**Lab Sample ID: 180-155411-10**

Date Collected: 04/18/23 15:52

Matrix: Water

Date Received: 04/21/23 09:30

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.91</b>		1.00	0.713	mg/L			04/23/23 02:29	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/23/23 02:29	1
<b>Sulfate</b>	<b>3.39</b>		1.00	0.756	mg/L			04/23/23 02:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 19:50	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 19:50	1
<b>Barium</b>	<b>0.0229</b>		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 19:50	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 19:50	1
<b>Boron</b>	<b>0.0299</b>	<b>J</b>	0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 19:50	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 19:50	1
<b>Calcium</b>	<b>0.853</b>		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 19:50	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: MW-10**  
Date Collected: 04/18/23 15:52  
Date Received: 04/21/23 09:30

**Lab Sample ID: 180-155411-10**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 19:50	1
<b>Cobalt</b>	<b>0.000700</b>		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 19:50	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 19:50	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 19:50	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 19:50	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 19:50	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 19:50	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:39	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>34.0</b>		10.0	10.0	mg/L			04/25/23 21:06	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>4.84</b>				SU			04/18/23 16:52	1

**Client Sample ID: DUP-01**  
Date Collected: 04/17/23 15:02  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-11**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>8.54</b>		1.00	0.713	mg/L			04/23/23 03:24	1
<b>Fluoride</b>	<b>0.0350</b>	<b>J</b>	0.100	0.0260	mg/L			04/23/23 03:24	1
<b>Sulfate</b>	<b>1.66</b>		1.00	0.756	mg/L			04/23/23 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 19:54	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 19:54	1
<b>Barium</b>	<b>0.0949</b>		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 19:54	1
<b>Beryllium</b>	<b>0.000335</b>	<b>J</b>	0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 19:54	1
Boron	<0.0220		0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 19:54	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 19:54	1
<b>Calcium</b>	<b>1.65</b>		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 19:54	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 19:54	1
<b>Cobalt</b>	<b>0.00161</b>		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 19:54	1
<b>Lead</b>	<b>0.000575</b>	<b>J</b>	0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 19:54	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 19:54	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 19:54	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 19:54	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 19:54	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:40	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: DUP-01**  
Date Collected: 04/17/23 15:02  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-11**  
Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	41.0		10.0	10.0	mg/L			04/24/23 17:18	1

**Client Sample ID: DUP-02**  
Date Collected: 04/18/23 14:52  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-12**  
Matrix: Water

### Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.25		1.00	0.713	mg/L			04/25/23 18:54	1
Fluoride	0.0309	J	0.100	0.0260	mg/L			04/25/23 18:54	1
Sulfate	3.37		1.00	0.756	mg/L			04/25/23 18:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 19:58	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 19:58	1
Barium	0.0217		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 19:58	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 19:58	1
Boron	0.0281	J	0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 19:58	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 19:58	1
Calcium	0.808		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 19:58	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 19:58	1
Cobalt	0.000620		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 19:58	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 19:58	1
Lithium	0.00253	J	0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 19:58	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 19:58	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 19:58	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 19:58	1

### Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:42	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	35.0		10.0	10.0	mg/L			04/25/23 21:06	1

**Client Sample ID: EB-01**  
Date Collected: 04/18/23 12:15  
Date Received: 04/20/23 09:00

**Lab Sample ID: 180-155411-13**  
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			04/25/23 19:09	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/25/23 19:09	1
Sulfate	<0.756		1.00	0.756	mg/L			04/25/23 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 20:10	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 20:10	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: EB-01**

**Lab Sample ID: 180-155411-13**

Date Collected: 04/18/23 12:15

Matrix: Water

Date Received: 04/20/23 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.000890		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 20:10	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 20:10	1
Boron	<0.0220		0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 20:10	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 20:10	1
Calcium	<0.140		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 20:10	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 20:10	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 20:10	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 20:10	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 20:10	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 20:10	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 20:10	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 20:10	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:43	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			04/25/23 21:06	1

**Client Sample ID: FB-01**

**Lab Sample ID: 180-155411-14**

Date Collected: 04/18/23 11:58

Matrix: Water

Date Received: 04/20/23 09:00

**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			04/25/23 19:23	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/25/23 19:23	1
Sulfate	<0.756		1.00	0.756	mg/L			04/25/23 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 20:15	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 20:15	1
Barium	<0.000890		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 20:15	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 20:15	1
Boron	<0.0220		0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 20:15	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 20:15	1
Calcium	<0.140		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 20:15	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 20:15	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 20:15	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 20:15	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 20:15	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 20:15	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 20:15	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 20:15	1

**Method: SW846 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 15:34	1

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# Client Sample Results

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

Job ID: 180-155411-1

**Client Sample ID: FB-01**

**Lab Sample ID: 180-155411-14**

**Date Collected: 04/18/23 11:58**

**Matrix: Water**

**Date Received: 04/20/23 09:00**

## 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			04/25/23 21:06	1

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# QC Sample Results

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

Job ID: 180-155411-1

## Method: EPA 9056A - Anions, Ion Chromatography

**Lab Sample ID: MB 180-433084/38**  
**Matrix: Water**  
**Analysis Batch: 433084**

**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			04/22/23 22:29	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/22/23 22:29	1
Sulfate	<0.756		1.00	0.756	mg/L			04/22/23 22:29	1

**Lab Sample ID: MB 180-433084/6**  
**Matrix: Water**  
**Analysis Batch: 433084**

**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			04/22/23 12:10	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/22/23 12:10	1
Sulfate	<0.756		1.00	0.756	mg/L			04/22/23 12:10	1

**Lab Sample ID: LCS 180-433084/39**  
**Matrix: Water**  
**Analysis Batch: 433084**

**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	49.76		mg/L		100	80 - 120
Fluoride	2.50	2.729		mg/L		109	80 - 120
Sulfate	50.0	51.99		mg/L		104	80 - 120

**Lab Sample ID: LCS 180-433084/7**  
**Matrix: Water**  
**Analysis Batch: 433084**

**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	49.21		mg/L		98	80 - 120
Fluoride	2.50	2.732		mg/L		109	80 - 120
Sulfate	50.0	51.07		mg/L		102	80 - 120

**Lab Sample ID: 180-155411-1 MS**  
**Matrix: Water**  
**Analysis Batch: 433084**

**Client Sample ID: MW-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4.07		50.0	52.70		mg/L		97	80 - 120
Fluoride	<0.0260		2.50	2.870		mg/L		115	80 - 120
Sulfate	7.46		50.0	59.07		mg/L		103	80 - 120

**Lab Sample ID: 180-155411-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 433084**

**Client Sample ID: MW-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4.07		50.0	52.62		mg/L		97	80 - 120	0	15
Fluoride	<0.0260		2.50	2.906		mg/L		116	80 - 120	1	15
Sulfate	7.46		50.0	58.68		mg/L		102	80 - 120	1	15

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# QC Sample Results

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

Job ID: 180-155411-1

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

**Lab Sample ID: MB 180-433275/6**  
**Matrix: Water**  
**Analysis Batch: 433275**

**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			04/25/23 10:09	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/25/23 10:09	1
Sulfate	<0.756		1.00	0.756	mg/L			04/25/23 10:09	1

**Lab Sample ID: LCS 180-433275/7**  
**Matrix: Water**  
**Analysis Batch: 433275**

**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	52.00		mg/L		104	80 - 120
Fluoride	2.50	2.636		mg/L		105	80 - 120
Sulfate	50.0	50.43		mg/L		101	80 - 120

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 680-776423/1-A**  
**Matrix: Water**  
**Analysis Batch: 776852**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 776423**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 10:29	05/03/23 21:24	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 10:29	05/03/23 21:24	1
Barium	<0.000890		0.00500	0.000890	mg/L		05/02/23 10:29	05/03/23 21:24	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 10:29	05/03/23 21:24	1
Boron	<0.0220		0.100	0.0220	mg/L		05/02/23 10:29	05/03/23 21:24	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 10:29	05/03/23 21:24	1
Calcium	<0.140		0.500	0.140	mg/L		05/02/23 10:29	05/03/23 21:24	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 10:29	05/03/23 21:24	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		05/02/23 10:29	05/03/23 21:24	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 10:29	05/03/23 21:24	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 10:29	05/03/23 21:24	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 10:29	05/03/23 21:24	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 10:29	05/03/23 21:24	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 10:29	05/03/23 21:24	1

**Lab Sample ID: LCS 680-776423/2-A**  
**Matrix: Water**  
**Analysis Batch: 776852**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 776423**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.05089		mg/L		102	80 - 120
Arsenic	0.100	0.1011		mg/L		101	80 - 120
Barium	0.100	0.09728		mg/L		97	80 - 120
Beryllium	0.0500	0.05048		mg/L		101	80 - 120
Boron	0.200	0.1951		mg/L		98	80 - 120
Cadmium	0.0500	0.04954		mg/L		99	80 - 120
Calcium	5.00	4.867		mg/L		97	80 - 120
Chromium	0.100	0.1017		mg/L		102	80 - 120
Cobalt	0.0500	0.05204		mg/L		104	80 - 120

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# QC Sample Results

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

Job ID: 180-155411-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 680-776423/2-A**  
**Matrix: Water**  
**Analysis Batch: 776852**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 776423**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.500	0.4770		mg/L		95	80 - 120
Lithium	0.500	0.4493		mg/L		90	80 - 120
Molybdenum	0.100	0.1012		mg/L		101	80 - 120
Selenium	0.100	0.09707		mg/L		97	80 - 120
Thallium	0.0500	0.04793		mg/L		96	80 - 120

**Lab Sample ID: MB 680-776480/1-A**  
**Matrix: Water**  
**Analysis Batch: 776852**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 776480**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00500	0.000340	mg/L		05/02/23 12:13	05/03/23 19:22	1
Arsenic	<0.000860		0.00300	0.000860	mg/L		05/02/23 12:13	05/03/23 19:22	1
Barium	<0.000890		0.00500	0.000890	mg/L		05/02/23 12:13	05/03/23 19:22	1
Beryllium	<0.000200		0.000500	0.000200	mg/L		05/02/23 12:13	05/03/23 19:22	1
Boron	<0.0220		0.100	0.0220	mg/L		05/02/23 12:13	05/03/23 19:22	1
Cadmium	<0.0000780		0.000500	0.0000780	mg/L		05/02/23 12:13	05/03/23 19:22	1
Calcium	<0.140		0.500	0.140	mg/L		05/02/23 12:13	05/03/23 19:22	1
Chromium	<0.00120		0.00500	0.00120	mg/L		05/02/23 12:13	05/03/23 19:22	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		05/02/23 12:13	05/03/23 19:22	1
Lead	<0.000210		0.00250	0.000210	mg/L		05/02/23 12:13	05/03/23 19:22	1
Lithium	<0.00200		0.00500	0.00200	mg/L		05/02/23 12:13	05/03/23 19:22	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		05/02/23 12:13	05/03/23 19:22	1
Selenium	<0.000990		0.00250	0.000990	mg/L		05/02/23 12:13	05/03/23 19:22	1
Thallium	<0.000260		0.00100	0.000260	mg/L		05/02/23 12:13	05/03/23 19:22	1

**Lab Sample ID: LCS 680-776480/2-A**  
**Matrix: Water**  
**Analysis Batch: 776852**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 776480**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.04938		mg/L		99	80 - 120
Arsenic	0.100	0.09965		mg/L		100	80 - 120
Barium	0.100	0.09604		mg/L		96	80 - 120
Beryllium	0.0500	0.05097		mg/L		102	80 - 120
Boron	0.200	0.1904		mg/L		95	80 - 120
Cadmium	0.0500	0.04849		mg/L		97	80 - 120
Calcium	5.00	5.016		mg/L		100	80 - 120
Chromium	0.100	0.09695		mg/L		97	80 - 120
Cobalt	0.0500	0.04958		mg/L		99	80 - 120
Lead	0.500	0.4634		mg/L		93	80 - 120
Lithium	0.500	0.4561		mg/L		91	80 - 120
Molybdenum	0.100	0.09730		mg/L		97	80 - 120
Selenium	0.100	0.09944		mg/L		99	80 - 120
Thallium	0.0500	0.04684		mg/L		94	80 - 120

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# QC Sample Results

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

Job ID: 180-155411-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: 180-155411-7 MS**  
**Matrix: Water**  
**Analysis Batch: 776852**

**Client Sample ID: MW-7**  
**Prep Type: Total Recoverable**  
**Prep Batch: 776480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.000340		0.0500	0.05311		mg/L		106	75 - 125
Arsenic	<0.000860		0.100	0.1032		mg/L		103	75 - 125
Barium	0.198		0.100	0.3015		mg/L		103	75 - 125
Beryllium	0.000380	J	0.0500	0.05232		mg/L		104	75 - 125
Boron	<0.0220		0.200	0.2076		mg/L		104	75 - 125
Cadmium	<0.0000780		0.0500	0.05328		mg/L		107	75 - 125
Calcium	2.68		5.00	7.554		mg/L		97	75 - 125
Chromium	<0.00120		0.100	0.1051		mg/L		105	75 - 125
Cobalt	0.00232		0.0500	0.05647		mg/L		108	75 - 125
Lead	0.000225	J	0.500	0.4947		mg/L		99	75 - 125
Lithium	0.00271	J	0.500	0.4678		mg/L		93	75 - 125
Molybdenum	<0.000860		0.100	0.1033		mg/L		103	75 - 125
Selenium	<0.000990		0.100	0.09973		mg/L		100	75 - 125
Thallium	<0.000260		0.0500	0.04975		mg/L		100	75 - 125

**Lab Sample ID: 180-155411-7 MSD**  
**Matrix: Water**  
**Analysis Batch: 776852**

**Client Sample ID: MW-7**  
**Prep Type: Total Recoverable**  
**Prep Batch: 776480**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.000340		0.0500	0.05469		mg/L		109	75 - 125	3	20
Arsenic	<0.000860		0.100	0.1041		mg/L		104	75 - 125	1	20
Barium	0.198		0.100	0.3059		mg/L		108	75 - 125	1	20
Beryllium	0.000380	J	0.0500	0.05323		mg/L		106	75 - 125	2	20
Boron	<0.0220		0.200	0.2090		mg/L		105	75 - 125	1	20
Cadmium	<0.0000780		0.0500	0.05257		mg/L		105	75 - 125	1	20
Calcium	2.68		5.00	7.788		mg/L		102	75 - 125	3	20
Chromium	<0.00120		0.100	0.1076		mg/L		108	75 - 125	2	20
Cobalt	0.00232		0.0500	0.05694		mg/L		109	75 - 125	1	20
Lead	0.000225	J	0.500	0.4970		mg/L		99	75 - 125	0	20
Lithium	0.00271	J	0.500	0.4724		mg/L		94	75 - 125	1	20
Molybdenum	<0.000860		0.100	0.1049		mg/L		105	75 - 125	2	20
Selenium	<0.000990		0.100	0.1005		mg/L		100	75 - 125	1	20
Thallium	<0.000260		0.0500	0.05009		mg/L		100	75 - 125	1	20

## Method: 7470A - Mercury (CVAA)

**Lab Sample ID: MB 680-776266/1-A**  
**Matrix: Water**  
**Analysis Batch: 776644**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 776266**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0000800		0.000200	0.0000800	mg/L		05/01/23 14:25	05/02/23 11:15	1

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# QC Sample Results

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

Job ID: 180-155411-1

## Method: 7470A - Mercury (CVAA) (Continued)

**Lab Sample ID: LCS 680-776266/2-A**  
**Matrix: Water**  
**Analysis Batch: 776644**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 776266**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002354		mg/L		94	80 - 120

**Lab Sample ID: 180-155411-1 MS**  
**Matrix: Water**  
**Analysis Batch: 776644**

**Client Sample ID: MW-1**  
**Prep Type: Total/NA**  
**Prep Batch: 776266**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.0000800		0.00100	0.000925		mg/L		99	80 - 120

**Lab Sample ID: 180-155411-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 776644**

**Client Sample ID: MW-1**  
**Prep Type: Total/NA**  
**Prep Batch: 776266**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.0000800		0.00100	0.0009439		mg/L		94	80 - 120	5	20

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

**Lab Sample ID: MB 180-433067/1**  
**Matrix: Water**  
**Analysis Batch: 433067**

**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			04/21/23 17:37	1

**Lab Sample ID: LCS 180-433067/2**  
**Matrix: Water**  
**Analysis Batch: 433067**

**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	580	586.0		mg/L		101	85 - 115

**Lab Sample ID: MB 180-433233/1**  
**Matrix: Water**  
**Analysis Batch: 433233**

**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			04/24/23 17:18	1

**Lab Sample ID: LCS 180-433233/2**  
**Matrix: Water**  
**Analysis Batch: 433233**

**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	580	588.0		mg/L		101	85 - 115

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# QC Sample Results

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

Job ID: 180-155411-1

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

**Lab Sample ID: MB 180-433364/1**  
**Matrix: Water**  
**Analysis Batch: 433364**

**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			04/25/23 21:06	1

**Lab Sample ID: LCS 180-433364/2**  
**Matrix: Water**  
**Analysis Batch: 433364**

**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	580	572.0		mg/L		99	85 - 115

**Lab Sample ID: MB 180-433366/1**  
**Matrix: Water**  
**Analysis Batch: 433366**

**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			04/25/23 21:51	1

**Lab Sample ID: LCS 180-433366/2**  
**Matrix: Water**  
**Analysis Batch: 433366**

**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	580	556.0		mg/L		96	85 - 115

**Lab Sample ID: 180-155411-9 DU**  
**Matrix: Water**  
**Analysis Batch: 433366**

**Client Sample ID: MW-9**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	23.0		26.00	F5	mg/L		12	10



# QC Association Summary

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

Job ID: 180-155411-1

## HPLC/IC

### Analysis Batch: 433084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total/NA	Water	EPA 9056A	
180-155411-2	MW-2	Total/NA	Water	EPA 9056A	
180-155411-3	MW-3	Total/NA	Water	EPA 9056A	
180-155411-4	MW-4	Total/NA	Water	EPA 9056A	
180-155411-5	MW-5	Total/NA	Water	EPA 9056A	
180-155411-6	MW-6	Total/NA	Water	EPA 9056A	
180-155411-7	MW-7	Total/NA	Water	EPA 9056A	
180-155411-8	MW-8	Total/NA	Water	EPA 9056A	
180-155411-9	MW-9	Total/NA	Water	EPA 9056A	
180-155411-10	MW-10	Total/NA	Water	EPA 9056A	
180-155411-11	DUP-01	Total/NA	Water	EPA 9056A	
MB 180-433084/38	Method Blank	Total/NA	Water	EPA 9056A	
MB 180-433084/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-433084/39	Lab Control Sample	Total/NA	Water	EPA 9056A	
LCS 180-433084/7	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-155411-1 MS	MW-1	Total/NA	Water	EPA 9056A	
180-155411-1 MSD	MW-1	Total/NA	Water	EPA 9056A	

### Analysis Batch: 433275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-12	DUP-02	Total/NA	Water	EPA 9056A	
180-155411-13	EB-01	Total/NA	Water	EPA 9056A	
180-155411-14	FB-01	Total/NA	Water	EPA 9056A	
MB 180-433275/6	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-433275/7	Lab Control Sample	Total/NA	Water	EPA 9056A	

## Metals

### Prep Batch: 776266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total/NA	Water	7470A	
180-155411-2	MW-2	Total/NA	Water	7470A	
180-155411-3	MW-3	Total/NA	Water	7470A	
180-155411-4	MW-4	Total/NA	Water	7470A	
180-155411-5	MW-5	Total/NA	Water	7470A	
180-155411-6	MW-6	Total/NA	Water	7470A	
180-155411-7	MW-7	Total/NA	Water	7470A	
180-155411-8	MW-8	Total/NA	Water	7470A	
180-155411-9	MW-9	Total/NA	Water	7470A	
180-155411-10	MW-10	Total/NA	Water	7470A	
180-155411-11	DUP-01	Total/NA	Water	7470A	
180-155411-12	DUP-02	Total/NA	Water	7470A	
180-155411-13	EB-01	Total/NA	Water	7470A	
180-155411-14	FB-01	Total/NA	Water	7470A	
MB 680-776266/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-776266/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-155411-1 MS	MW-1	Total/NA	Water	7470A	
180-155411-1 MSD	MW-1	Total/NA	Water	7470A	

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# QC Association Summary

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

Job ID: 180-155411-1

## Metals

### Prep Batch: 776423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total Recoverable	Water	3005A	
180-155411-2	MW-2	Total Recoverable	Water	3005A	
180-155411-3	MW-3	Total Recoverable	Water	3005A	
180-155411-4	MW-4	Total Recoverable	Water	3005A	
180-155411-5	MW-5	Total Recoverable	Water	3005A	
180-155411-6	MW-6	Total Recoverable	Water	3005A	
MB 680-776423/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-776423/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Prep Batch: 776480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-7	MW-7	Total Recoverable	Water	3005A	
180-155411-8	MW-8	Total Recoverable	Water	3005A	
180-155411-9	MW-9	Total Recoverable	Water	3005A	
180-155411-10	MW-10	Total Recoverable	Water	3005A	
180-155411-11	DUP-01	Total Recoverable	Water	3005A	
180-155411-12	DUP-02	Total Recoverable	Water	3005A	
180-155411-13	EB-01	Total Recoverable	Water	3005A	
180-155411-14	FB-01	Total Recoverable	Water	3005A	
MB 680-776480/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-776480/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-155411-7 MS	MW-7	Total Recoverable	Water	3005A	
180-155411-7 MSD	MW-7	Total Recoverable	Water	3005A	

### Analysis Batch: 776644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total/NA	Water	7470A	776266
180-155411-2	MW-2	Total/NA	Water	7470A	776266
180-155411-3	MW-3	Total/NA	Water	7470A	776266
180-155411-4	MW-4	Total/NA	Water	7470A	776266
180-155411-5	MW-5	Total/NA	Water	7470A	776266
180-155411-6	MW-6	Total/NA	Water	7470A	776266
180-155411-7	MW-7	Total/NA	Water	7470A	776266
180-155411-8	MW-8	Total/NA	Water	7470A	776266
180-155411-9	MW-9	Total/NA	Water	7470A	776266
180-155411-10	MW-10	Total/NA	Water	7470A	776266
180-155411-11	DUP-01	Total/NA	Water	7470A	776266
180-155411-12	DUP-02	Total/NA	Water	7470A	776266
180-155411-13	EB-01	Total/NA	Water	7470A	776266
MB 680-776266/1-A	Method Blank	Total/NA	Water	7470A	776266
LCS 680-776266/2-A	Lab Control Sample	Total/NA	Water	7470A	776266
180-155411-1 MS	MW-1	Total/NA	Water	7470A	776266
180-155411-1 MSD	MW-1	Total/NA	Water	7470A	776266

### Analysis Batch: 776762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-14	FB-01	Total/NA	Water	7470A	776266

### Analysis Batch: 776852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total Recoverable	Water	6020B	776423

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# QC Association Summary

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

Job ID: 180-155411-1

## Metals (Continued)

### Analysis Batch: 776852 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-2	MW-2	Total Recoverable	Water	6020B	776423
180-155411-3	MW-3	Total Recoverable	Water	6020B	776423
180-155411-4	MW-4	Total Recoverable	Water	6020B	776423
180-155411-5	MW-5	Total Recoverable	Water	6020B	776423
180-155411-6	MW-6	Total Recoverable	Water	6020B	776423
180-155411-7	MW-7	Total Recoverable	Water	6020B	776480
180-155411-8	MW-8	Total Recoverable	Water	6020B	776480
180-155411-9	MW-9	Total Recoverable	Water	6020B	776480
180-155411-10	MW-10	Total Recoverable	Water	6020B	776480
180-155411-11	DUP-01	Total Recoverable	Water	6020B	776480
180-155411-12	DUP-02	Total Recoverable	Water	6020B	776480
180-155411-13	EB-01	Total Recoverable	Water	6020B	776480
180-155411-14	FB-01	Total Recoverable	Water	6020B	776480
MB 680-776423/1-A	Method Blank	Total Recoverable	Water	6020B	776423
MB 680-776480/1-A	Method Blank	Total Recoverable	Water	6020B	776480
LCS 680-776423/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776423
LCS 680-776480/2-A	Lab Control Sample	Total Recoverable	Water	6020B	776480
180-155411-7 MS	MW-7	Total Recoverable	Water	6020B	776480
180-155411-7 MSD	MW-7	Total Recoverable	Water	6020B	776480

## General Chemistry

### Analysis Batch: 433067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-3	MW-3	Total/NA	Water	SM 2540C	
MB 180-433067/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-433067/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 433233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-4	MW-4	Total/NA	Water	SM 2540C	
180-155411-11	DUP-01	Total/NA	Water	SM 2540C	
MB 180-433233/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-433233/2	Lab Control Sample	Total/NA	Water	SM 2540C	

### Analysis Batch: 433364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total/NA	Water	SM 2540C	
180-155411-2	MW-2	Total/NA	Water	SM 2540C	
180-155411-6	MW-6	Total/NA	Water	SM 2540C	
180-155411-7	MW-7	Total/NA	Water	SM 2540C	
180-155411-8	MW-8	Total/NA	Water	SM 2540C	
180-155411-10	MW-10	Total/NA	Water	SM 2540C	
180-155411-12	DUP-02	Total/NA	Water	SM 2540C	
180-155411-13	EB-01	Total/NA	Water	SM 2540C	
180-155411-14	FB-01	Total/NA	Water	SM 2540C	
MB 180-433364/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-433364/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Eurofins Pittsburgh

# QC Association Summary

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

Job ID: 180-155411-1

## General Chemistry

### Analysis Batch: 433366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-5	MW-5	Total/NA	Water	SM 2540C	
180-155411-9	MW-9	Total/NA	Water	SM 2540C	
MB 180-433366/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-433366/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-155411-9 DU	MW-9	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 434791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total/NA	Water	Field Sampling	
180-155411-2	MW-2	Total/NA	Water	Field Sampling	
180-155411-3	MW-3	Total/NA	Water	Field Sampling	
180-155411-4	MW-4	Total/NA	Water	Field Sampling	
180-155411-5	MW-5	Total/NA	Water	Field Sampling	
180-155411-6	MW-6	Total/NA	Water	Field Sampling	
180-155411-7	MW-7	Total/NA	Water	Field Sampling	
180-155411-8	MW-8	Total/NA	Water	Field Sampling	
180-155411-9	MW-9	Total/NA	Water	Field Sampling	
180-155411-10	MW-10	Total/NA	Water	Field Sampling	

**Chain of Custody Record**

**244-ATLANTA**  
 Environmental Testing  
 Analytical

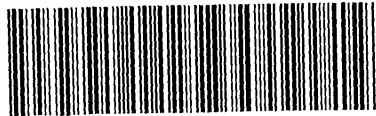
<b>Client Information</b> Client Contact: <i>Kiuc Ikeyenbacher</i> SCS Contacts: 850-336-0192 Company: SCS		Lab P/N: Brown, Shall E-Mail: shall.brown@eurofinset.com		Carrier Tracking No(s): COC No: Page: 142 Job #:	
Address: 3535 Colonnade Pkwy Bin S 530 EC City: Birmingham State, Zip: Alabama Phone: 205.992.6283 Email: <i>scs@eurofins.com</i> SCS Contacts: <i>Scs/Eurofins/Atlanta</i> Project Name: <i>Plant Daniel GSA</i> Plant: Daniel GSA Site:		Due Date Requested: TAT Requested (days): PO #: SCS-10382606 WO #: <i>18020047</i> Project #: <i>SSOWNR</i>		Analysis Requested: Custom (4 (Appil and IV) + Mercury) Chloride Fluoride and Sulfate Total Dissolved Solids Radium 226 Radium 228 + Combined Field Filtered Sample (Yes or No)	
<b>Sample Identification</b> Sample ID: MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 DUP-01		Sample Date: 4-18-23 4-18-23 4-18-23 4-17-23 4-18-23 4-18-23 4-18-23 4-18-23 4-18-23 4-17-23		Sample Time: 0930 1758 1602 1802 1452 0818 1115 1315 1940 1552 1502	
Matrix: water water water water water water water water water water		Sample Type (C=Comp, G=grab) G G G G G G G G G G		Preservation Code: M - Hexane N - None O - AsNaOZ P - Na2O4S Q - Nitric Acid R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 X - EDTA Y - other (specify) Z - other (specify)	
Possible Hazard Identification: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements: Level 11 Reports and Associated WDNs	
Empty Kit Relinquished by: Relinquished by: <i>[Signature]</i> Relinquished by: <i>[Signature]</i> Relinquished by:		Date: 4-19-23 Date/Time: 0900 Date/Time:		Method of Shipment: Date/Time: 4-20-23 0900 Date/Time:	
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.:		Company: RDT Company: RDT Company: RDT		Company: EPA Company: EPA Company: EPA	



<b>Client Information</b>		Sampler: <i>Rick Ayers</i>		Lab PM: Brown, Shali		Carrier Tracking Note:		GOC No:	
Client Contact: SCS Contacts		Phone: 850-336-0192		E-Mail: shali.brown@eurofins.com				Page: 2 of 2	
Company: SCS								Job #:	
Address: 3535 Colonnade Parkway Bin S 530 EC		Due Date Requested:		Analysis Requested:				Preservation Codes:	
City: Birmingham		TAT Requested (days):		Total Dissolved Solids				A - HCL B - NaOH N - None O - As <sub>2</sub> O <sub>3</sub> P - Na <sub>2</sub> OAS D - Nitric Acid E - NaHSO <sub>4</sub> F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
State, Zip: Alabama		PO #: SCS10382606		Chloride Fluoride and Sulfate				M - Hexane C - Zn Acetate Q - Na <sub>2</sub> SO <sub>3</sub> R - Na <sub>2</sub> SO <sub>3</sub> S - H <sub>2</sub> SO <sub>4</sub> T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Phone: 205.992.6283		WO #: 18020047		Custom (4 Appl and IV) + Mercury				Other:	
Email: <i>roy.smythen@rosingco.com</i>		Project #: 18020047		Radium 226 Radium 228 + Combined					
SCS Contacts / <i>roy.smythen</i> / <i>Rosing Co Southern Co</i>		Site: SSOV#:		Field Filtered Sample (Yes or No)				Total Number of Containers	
Plant: Daniel GSA				Sample Date		Sample Time		Sample Type (C=Comp, G=grab)	
Site:				Matrix (Wet/dry, Swab, Grab, Other)		Preservation Code		Special Instructions/Note:	
Sample Identification		4-18-23 1452		water		G		X X X X	
DUP-02		4-18-23 1215		water		G		X X X X	
EB-01		4-18-23 1158		water		G		X X X X	
EB-02 <sup>PH</sup> 4-19-23 FB-01									
Possible Hazard Identification		<input type="checkbox"/> Non-Hazard		<input type="checkbox"/> Flammable		<input type="checkbox"/> Skin Irritant		<input type="checkbox"/> Poison B	
Deliverable Requested: I, II, III, IV, Other (specify)		Date:		Date/Time:		Date/Time:		Date/Time:	
Empty Kit Relinquished by:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Relinquished by: <i>Paul Ayers</i>		Date/Time: 4-19-23		Company: <i>ROH EN</i>		Received by: <i>Rick Ayers</i>		Date/Time: 4-20-23	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		Special Instructions/QC Requirements:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
								<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months	



180-155411 Waybill



ORIGIN ID:MOBA (412) 963-7058  
TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 19APR23  
ACTWGT: 66.55 LB  
CAD: 6994563/SSFE2401  
DIMS: 23x12x14 IN  
BILL THIRD PARTY

Part # 158297-435 PROB2 EXP 09/24

TO EUOROFINS  
RIDC PARK  
301 ALPHA DR

PITTSBURGH PA 15238

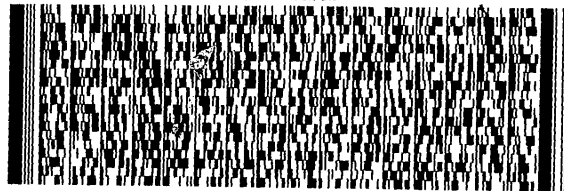
(412) 963-7058

REF:

THU:

PO:

DEPT:



FedEx  
Express



AN USPS® SERVICE

4 of 5

MPS# 3972 4244 9049  
0263

Mstr# 3972 4244 9016

0201

THU - 20 APR 10:30A  
PRIORITY OVERNIGHT

**XN AGCA**

15238  
PA-US PIT



Uncorrected temp  
Thermometer ID

CF Initials

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

204  
10  
BE



Street Address We cannot deliver to P.O. boxes or P.O. ZIP codes.

Company	Dept./Floor/Suite/Room
Phone Number	Recipient's Name Please print



Do Not Lift Using This Tag

ORIGIN RT 198  
TESTAMER FZ 197  
SEE CHEER  
301 ALPHA  
PITTSBURGH, PA 15238  
UNITED STATES US

10:30  
9050  
04.20  
A

SHIP DATE: 19APR23  
ACTWGT: 59.00 LB  
CAD: 6994563/SSFE2401  
DIMS: 24x12x13 IN  
BILL THIRD PARTY

PART # 156297435 RFD82 EXP 03/24

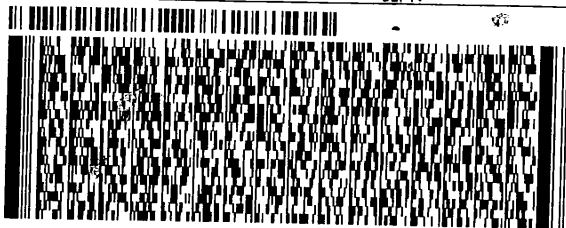
TO EUOROFINS  
RIDC PARK  
301 ALPHA DR

PITTSBURGH PA 15238

(412) 863-7058

REF:

DEPT:



FedEx  
Express



AN LUSUM:R:24/23/21

5 of 5

MPS# 3972 4244 9050

Mstr# 3972 4244 9016

0201

THU - 20 APR 10:30A  
PRIORITY OVERNIGHT

XN AGCA

15238

PA-US PIT

Uncorrected temp  
Thermometer ID 1.8 °C  
CF Initials  
PT-WI-SR-001 effective 11/8/18

12

13

Courier or Driver: Place Astra or Barcoded Label Here

ORIGIN ID:MOBA (412) 963-7058

TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 19APR23  
ACTWT: 65.50 LB  
CAD: 6994563/SSFE2401  
DIMS: 23x13x14 IN

BILL THIRD PARTY

Part # 159297-435 FRDB2 Exp 03/24

TO EUOROFINS  
RIDC PARK  
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:

Uncorrected temp  
Thermometer ID 7.6  
CF 9.0 Initials VR  
PT-WI-SR-001 effective 11/8/18

FedEx  
Express



2 of 5

MPS# 3972 4244 9027

Mstr# 3972 4244 9016

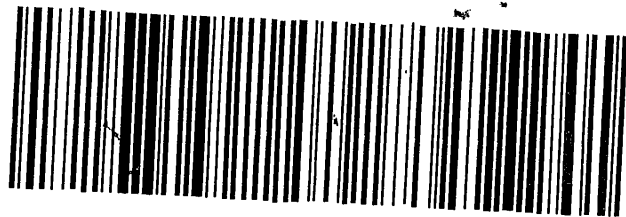
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THU - 20 APR 10:30A  
PRIORITY OVERNIGHT

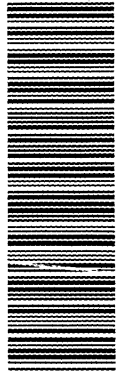
XN AGCA

AHS  
15238

PA-US PIT



... This Tag



180-155417 Waybill

40 CFP #M

D Warehouse  
4-21-23  
9:30

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

**Eurofins Pittsburgh**

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

**Chain of Custody Record**



Environmental Testing

<b>Client Information (Sub Contract Lab)</b>		Lab PM: Brown, Shali	Carrier Tracking No(s): 180-485778 1																																																																																																															
Client Contact: Shipping/Receiving		E-Mail: Shali.Brown@et.eurofins.com	Page: Page 1 of 2																																																																																																															
Company: Eurofins Environment Testing Southeast, 5102 LaRoche Avenue, Savannah GA, 31404		Accreditations Required (See note)	Job #: 180-155411-1																																																																																																															
Address: 5102 LaRoche Avenue, Savannah GA, 31404		Due Date Requested: 5/3/2023	Preservation Codes: M - Hexane, N - None, O - AsNaO2, P - Na2OAS, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, X - EDTA, Y - Trizma, Z - other (specify)																																																																																																															
Phone: 912-354-7858(Tel) 912-352-0165(Fax)		PO #: IWO #:	Other:																																																																																																															
Email:		Project #: 18020047																																																																																																																
Site: Plant Daniel GSA CCR		SSOW#:																																																																																																																
<table border="1"> <thead> <tr> <th rowspan="2">Sample Identification - Client ID (Lab ID)</th> <th rowspan="2">Sample Date</th> <th rowspan="2">Sample Time</th> <th rowspan="2">Sample Type (C=Comp, G=grab)</th> <th rowspan="2">Matrix (W=Water, S=solid, O=water, B=Ice, A=Air)</th> <th rowspan="2">Field Filtered Sample (Yes or No)</th> <th rowspan="2">Form MS/MSD (Yes or No)</th> <th rowspan="2">6020B/3005A Custom 14 (AppII + App IV)</th> <th rowspan="2">7470A/7470A Prep Mercury (CVAA)</th> <th rowspan="2">Total Number of Containers</th> <th rowspan="2">Special Instructions/Note:</th> </tr> <tr> <th>Preservation Code:</th> </tr> </thead> <tbody> <tr> <td>MW-1 (180-155411-1)</td> <td>4/18/23</td> <td>09:30</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-2 (180-155411-2)</td> <td>4/18/23</td> <td>17:58</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-3 (180-155411-3)</td> <td>4/17/23</td> <td>16:02</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-4 (180-155411-4)</td> <td>4/17/23</td> <td>18:02</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-5 (180-155411-5)</td> <td>4/18/23</td> <td>14:52</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-6 (180-155411-6)</td> <td>4/18/23</td> <td>08:18</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-7 (180-155411-7)</td> <td>4/18/23</td> <td>11:15</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-8 (180-155411-8)</td> <td>4/18/23</td> <td>13:15</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> <tr> <td>MW-9 (180-155411-9)</td> <td>4/18/23</td> <td>19:40</td> <td>Central</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>1</td> <td></td> </tr> </tbody> </table>				Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=solid, O=water, B=Ice, A=Air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	6020B/3005A Custom 14 (AppII + App IV)	7470A/7470A Prep Mercury (CVAA)	Total Number of Containers	Special Instructions/Note:	Preservation Code:	MW-1 (180-155411-1)	4/18/23	09:30	Central	Water	X	X	X	X	1		MW-2 (180-155411-2)	4/18/23	17:58	Central	Water	X	X	X	X	1		MW-3 (180-155411-3)	4/17/23	16:02	Central	Water	X	X	X	X	1		MW-4 (180-155411-4)	4/17/23	18:02	Central	Water	X	X	X	X	1		MW-5 (180-155411-5)	4/18/23	14:52	Central	Water	X	X	X	X	1		MW-6 (180-155411-6)	4/18/23	08:18	Central	Water	X	X	X	X	1		MW-7 (180-155411-7)	4/18/23	11:15	Central	Water	X	X	X	X	1		MW-8 (180-155411-8)	4/18/23	13:15	Central	Water	X	X	X	X	1		MW-9 (180-155411-9)	4/18/23	19:40	Central	Water	X	X	X	X	1	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)												Matrix (W=Water, S=solid, O=water, B=Ice, A=Air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	6020B/3005A Custom 14 (AppII + App IV)	7470A/7470A Prep Mercury (CVAA)	Total Number of Containers	Special Instructions/Note:																																																																																													
				Preservation Code:																																																																																																														
MW-1 (180-155411-1)	4/18/23	09:30	Central	Water	X	X	X	X	1																																																																																																									
MW-2 (180-155411-2)	4/18/23	17:58	Central	Water	X	X	X	X	1																																																																																																									
MW-3 (180-155411-3)	4/17/23	16:02	Central	Water	X	X	X	X	1																																																																																																									
MW-4 (180-155411-4)	4/17/23	18:02	Central	Water	X	X	X	X	1																																																																																																									
MW-5 (180-155411-5)	4/18/23	14:52	Central	Water	X	X	X	X	1																																																																																																									
MW-6 (180-155411-6)	4/18/23	08:18	Central	Water	X	X	X	X	1																																																																																																									
MW-7 (180-155411-7)	4/18/23	11:15	Central	Water	X	X	X	X	1																																																																																																									
MW-8 (180-155411-8)	4/18/23	13:15	Central	Water	X	X	X	X	1																																																																																																									
MW-9 (180-155411-9)	4/18/23	19:40	Central	Water	X	X	X	X	1																																																																																																									
<p><b>Possible Hazard Identification</b></p> <p>Unconfirmed</p> <p>Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank. 2</p> <p>Empty Kit Relinquished by: _____ Date: _____</p> <p>Relinquished by: _____ Date/Time: 4/20/23 10:00 Company: ERST Company</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Relinquished by: _____ Date/Time: _____ Company: _____</p> <p>Custody Seal No: _____ Custody Seal No: 29/30</p> <p>^ Yes ^ No</p>																																																																																																																		

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/test/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.

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/Requirements

Method of Shipment:

Received by: \_\_\_\_\_ Date/Time: 4/29/23 10:30 Company: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

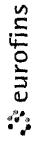
Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks: 29/30

Form: AC100 (Rev. 1)

**Eurofins Pittsburgh**  
 301 Alpha Drive R1DC Park  
 Pittsburgh, PA 15238  
 Phone: 412-963-7058 Fax: 412-963-2468

# Chain of Custody Record



Environment Testing

<b>Client Information (Sub Contract Lab)</b>		Sampler	Lab Piv	Carrier Tracking No(s)	COC No:					
Shipping/Receiving		Phone	Brown, Shail		180-485778 2					
Company		E-Mail	Shail Brown@et.eurofins.com	State of Origin	Page: 2 of 2					
Eurofins Environment Testing Southeast		Accreditations Required (See note).		Job #	180-155411-1					
Address:		Due Date Requested		Preservation Codes:						
5102 LaRoche Avenue,		5/3/2023		M - Hexane N - None O - AsNaO2 P - Na2CO3 Q - Nitric Acid R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - Trizma Y - other (specify)						
City: Savannah		TAT Requested (days)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other						
State Zip: GA, 31404		PO #:		Total Number of containers						
Phone: 912-354-7858(Tel) 912-352-0165(Fax)		WO #:		Special Instructions/Note:						
Email:		Project #:								
Plant Name: Plant Daniel GSA CCR		18020047								
Site:		SSOW#:								
<b>Sample Identification - Client ID (Lab ID)</b>		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Newer, Swastoli, Overstall, Acids)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7470A/470A Prep Mercury (CVA)	6020B/3005A Custom 14 (App III + App IV)
MW-10 (180-155411-10)	4/18/23	15:52	Central	Water	Water		X	X	X	X
DUP-01 (180-155411-11)	4/17/23	15:02	Central	Water	Water		X	X	X	X
DUP-02 (180-155411-12)	4/18/23	14:52	Central	Water	Water		X	X	X	X
EB-01 (180-155411-13)	4/18/23	12:15	Central	Water	Water		X	X	X	X
FB-01 (180-155411-14)	4/18/23	11:56	Central	Water	Water		X	X	X	X
<p>Note: Since laboratory accreditations are subject to change Eurofins Pittsburgh places the ownership of method analyte &amp; 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/test/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.</p>										
<b>Possible Hazard Identification</b>										
Unconfirmed										
Deliverable Requested: I, II, III, IV, Other (specify)										
Primary Deliverable Rank: 2										
Empty Kit Relinquished by										
Relinquished by										
Relinquished by										
Relinquished by										
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No										
Custody Seal No										
Cooler Temperature(s) °C and Other Remarks: 2.9/3.0										

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements

Method of Shipment

Received by \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company \_\_\_\_\_

Received by \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company \_\_\_\_\_

Received by \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company \_\_\_\_\_



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-155411-1

**Login Number: 155411**

**List Source: Eurofins Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric L**

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.	False	
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: 180-155411-1

**Login Number: 155411**

**List Source: Eurofins Pittsburgh**

**List Number: 2**

**Creator: Watson, Debbie**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (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: 180-155411-1

**Login Number: 155411**

**List Number: 4**

**Creator: Givens, Keshia**

**List Source: Eurofins Savannah**

**List Creation: 04/29/23 11:57 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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?	N/A	
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 5/30/2023 2:05:16 PM

**JOB DESCRIPTION**

Plant Daniel GSA CCR

**JOB NUMBER**

180-155411-2

# Eurofins Pittsburgh

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



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# Case Narrative

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

Job ID: 180-155411-2

**Job ID: 180-155411-2**

**Laboratory: Eurofins Pittsburgh**

## Narrative

### Job Narrative 180-155411-2

#### Receipt

The samples were received on 4/20/2023 9:00 AM and 4/21/2023 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 4 coolers at receipt time were 1.8°C, 2.4°C, 2.6°C and 4.0°C

#### Receipt Exceptions

The following samples were listed on the Chain of Custody (COC); however, no samples were received: MW-5 (180-155411-5), MW-9 (180-155411-9) and MW-10 (180-155411-10). The samples were received and tagged.

#### Gas Flow Proportional Counter

Method 9315\_Ra226: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 160-610053.

Method 9315\_Ra226: Radium-226 Prep Batch 160-610058 Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-1 (180-155411-1) and MW-2 (180-155411-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9315\_Ra226: Radium-226 prep batch 160-610053: Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-3 (180-155411-3), MW-4 (180-155411-4), MW-5 (180-155411-5), MW-6 (180-155411-6), MW-7 (180-155411-7), MW-8 (180-155411-8), MW-9 (180-155411-9), MW-10 (180-155411-10), DUP-01 (180-155411-11), DUP-02 (180-155411-12), EB-01 (180-155411-13), FB-01 (180-155411-14), (LCS 160-610053/2-A), (LCSD 160-610053/3-A) and (MB 160-610053/1-A)

Method 9315\_Ra226: Radium-226 prep batch 160-610058: Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-1 (180-155411-1), MW-2 (180-155411-2), (LCS 160-610058/2-A), (LCSD 160-610058/3-A) and (MB 160-610058/1-A)

Method 9320\_Ra228: Radium-226 Prep Batch 160-610060 Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-3 (180-155411-3), MW-4 (180-155411-4), MW-5 (180-155411-5), MW-6 (180-155411-6), MW-7 (180-155411-7), MW-8 (180-155411-8), MW-9 (180-155411-9), MW-10 (180-155411-10), DUP-01 (180-155411-11), DUP-02 (180-155411-12), EB-01 (180-155411-13) and FB-01 (180-155411-14). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9320\_Ra228: Radium-228 Prep Batch 160-610073 Insufficient sample volume was available to perform a sample duplicate for the following samples: MW-1 (180-155411-1) and MW-2 (180-155411-2). A laboratory control sample/ laboratory control sample duplicate (LCS/LCSD) were prepared instead to demonstrate batch precision.

Method 9320\_Ra228: Radium-228 batch 610060 Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-3 (180-155411-3), MW-4 (180-155411-4), MW-5 (180-155411-5), MW-6 (180-155411-6), MW-7 (180-155411-7), MW-8 (180-155411-8), MW-9 (180-155411-9), MW-10 (180-155411-10), DUP-01 (180-155411-11), DUP-02 (180-155411-12), EB-01 (180-155411-13), FB-01 (180-155411-14), (LCS 160-610060/2-A), (LCSD 160-610060/3-A) and (MB 160-610060/1-A)

Method 9320\_Ra228: Radium-228 prep batch 160-610073: The Ra-228 laboratory control sample (LCS) associated with the following samples recovered at 131%: (LCS 160-610073/2-A). The limits in our LIMS system at (75-125%) reflect the requirements of a regulatory agency that represents a large amount of our work. However the samples associated with this LCS are not from this agency and are therefore held to our in-house statistical limits of (63-154%) per method requirements. The LCS is within criteria and no further action is

# Case Narrative

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

Job ID: 180-155411-2

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## Job ID: 180-155411-2 (Continued)

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### Laboratory: Eurofins Pittsburgh (Continued)

required.

Method 9320\_Ra228: Radium-228 prep batch 160-610073: Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative. Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date. MW-1 (180-155411-1), MW-2 (180-155411-2), (LCS 160-610073/2-A), (LCSD 160-610073/3-A) and (MB 160-610073/1-A)

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

### Rad

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

- 1
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# Definitions/Glossary

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

Job ID: 180-155411-2

## Qualifiers

### Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 GSA CCR

Job ID: 180-155411-2

## Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-23
Florida	NELAP	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-23
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana (All)	NELAP	04080	06-30-23
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-23
MI - RadChem Recognition	State	9005	06-30-23
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-23
New Jersey	NELAP	MO002	06-30-23
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-23
North Dakota	State	R-207	06-30-23
Oklahoma	NELAP	9997	08-31-23
Oregon	NELAP	4157	09-01-23
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-23
Texas	NELAP	T104704193	07-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-23
Washington	State	C592	08-30-23
West Virginia DEP	State	381	10-31-23

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

# Sample Summary

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

Job ID: 180-155411-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-155411-1	MW-1	Water	04/18/23 09:30	04/20/23 09:00
180-155411-2	MW-2	Water	04/18/23 17:58	04/20/23 09:00
180-155411-3	MW-3	Water	04/17/23 16:02	04/20/23 09:00
180-155411-4	MW-4	Water	04/17/23 18:02	04/20/23 09:00
180-155411-5	MW-5	Water	04/18/23 14:52	04/21/23 09:30
180-155411-6	MW-6	Water	04/18/23 08:18	04/20/23 09:00
180-155411-7	MW-7	Water	04/18/23 11:15	04/20/23 09:00
180-155411-8	MW-8	Water	04/18/23 13:15	04/20/23 09:00
180-155411-9	MW-9	Water	04/18/23 19:40	04/21/23 09:30
180-155411-10	MW-10	Water	04/18/23 15:52	04/21/23 09:30
180-155411-11	DUP-01	Water	04/17/23 15:02	04/20/23 09:00
180-155411-12	DUP-02	Water	04/18/23 14:52	04/20/23 09:00
180-155411-13	EB-01	Water	04/18/23 12:15	04/20/23 09:00
180-155411-14	FB-01	Water	04/18/23 11:58	04/20/23 09:00



# Method Summary

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

Job ID: 180-155411-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

**Protocol References:**

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



# Lab Chronicle

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

Job ID: 180-155411-2

## Client Sample ID: MW-1

Lab Sample ID: 180-155411-1

Date Collected: 04/18/23 09:30

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.79 mL	1.0 g	610058	05/04/23 10:36	KAC	EET SL
Total/NA	Analysis	9315		1			613626	05/29/23 14:52	SCB	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1000.79 mL	1.0 g	610073	05/04/23 11:29	KAC	EET SL
Total/NA	Analysis	9320		1			613061	05/24/23 15:58	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			613802	05/30/23 14:51	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: MW-2

Lab Sample ID: 180-155411-2

Date Collected: 04/18/23 17:58

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.84 mL	1.0 g	610058	05/04/23 10:36	KAC	EET SL
Total/NA	Analysis	9315		1	1.0 mL	1.0 mL	613626	05/29/23 14:53	SCB	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1005.84 mL	1.0 g	610073	05/04/23 11:29	KAC	EET SL
Total/NA	Analysis	9320		1			613061	05/24/23 15:58	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Analysis	Ra226_Ra228		1			613802	05/30/23 14:51	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: MW-3

Lab Sample ID: 180-155411-3

Date Collected: 04/17/23 16:02

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.85 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613626	05/29/23 17:02	SCB	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			996.85 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:25	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: MW-4

Lab Sample ID: 180-155411-4

Date Collected: 04/17/23 18:02

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.70 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613626	05/29/23 17:02	SCB	EET SL
Instrument ID: GFPCBLUE										

# Lab Chronicle

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

Job ID: 180-155411-2

**Client Sample ID: MW-4**

**Lab Sample ID: 180-155411-4**

Date Collected: 04/17/23 18:02

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			996.70 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:28	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-5**

**Lab Sample ID: 180-155411-5**

Date Collected: 04/18/23 14:52

Matrix: Water

Date Received: 04/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.33 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613626	05/29/23 17:02	SCB	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			998.33 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:28	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-6**

**Lab Sample ID: 180-155411-6**

Date Collected: 04/18/23 08:18

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.50 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613626	05/29/23 17:02	SCB	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			996.50 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:29	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-7**

**Lab Sample ID: 180-155411-7**

Date Collected: 04/18/23 11:15

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.22 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613627	05/29/23 17:04	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			996.22 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:29	FLC	EET SL
Instrument ID: GFPCRED										

# Lab Chronicle

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

Job ID: 180-155411-2

## Client Sample ID: MW-7

Lab Sample ID: 180-155411-7

Date Collected: 04/18/23 11:15

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL

## Client Sample ID: MW-8

Lab Sample ID: 180-155411-8

Date Collected: 04/18/23 13:15

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			998.12 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613627	05/29/23 17:04	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			998.12 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:29	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: MW-9

Lab Sample ID: 180-155411-9

Date Collected: 04/18/23 19:40

Matrix: Water

Date Received: 04/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.22 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613627	05/29/23 17:04	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			993.22 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:29	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: MW-10

Lab Sample ID: 180-155411-10

Date Collected: 04/18/23 15:52

Matrix: Water

Date Received: 04/21/23 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.25 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613627	05/29/23 17:04	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			996.25 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:29	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-155411-2

## Client Sample ID: DUP-01

## Lab Sample ID: 180-155411-11

Date Collected: 04/17/23 15:02

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.49 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613627	05/29/23 17:05	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			994.49 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612790	05/23/23 12:29	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: DUP-02

## Lab Sample ID: 180-155411-12

Date Collected: 04/18/23 14:52

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.09 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613627	05/29/23 17:05	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			995.09 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612794	05/23/23 12:33	FLC	EET SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: EB-01

## Lab Sample ID: 180-155411-13

Date Collected: 04/18/23 12:15

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			997.25 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1			613627	05/29/23 17:05	SCB	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			997.25 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612794	05/23/23 12:33	FLC	EET SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: FB-01

## Lab Sample ID: 180-155411-14

Date Collected: 04/18/23 11:58

Matrix: Water

Date Received: 04/20/23 09:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			992.82 mL	1.0 g	610053	05/04/23 09:51	KAC	EET SL
Total/NA	Analysis	9315		1	1.0 mL	1.0 mL	613627	05/29/23 17:05	SCB	EET SL
Instrument ID: GFPCPURPLE										



# Lab Chronicle

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

Job ID: 180-155411-2

**Client Sample ID: FB-01**

**Lab Sample ID: 180-155411-14**

**Date Collected: 04/18/23 11:58**

**Matrix: Water**

**Date Received: 04/20/23 09:00**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			992.82 mL	1.0 g	610060	05/04/23 11:00	KAC	EET SL
Total/NA	Analysis	9320		1			612794	05/23/23 12:33	FLC	EET SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			613803	05/30/23 14:53	SCB	EET SL
Instrument ID: NOEQUIP										

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

**Analyst References:**

Lab: EET SL

Batch Type: Prep

KAC = Kevin Cox

Batch Type: Analysis

FLC = Fernando Cruz

SCB = Sarah Bensen

# Client Sample Results

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

Job ID: 180-155411-2

**Client Sample ID: MW-1**

**Lab Sample ID: 180-155411-1**

Date Collected: 04/18/23 09:30

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.498		0.147	0.154	1.00	0.133	pCi/L	05/04/23 10:36	05/29/23 14:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.6		30 - 110					05/04/23 10:36	05/29/23 14:52	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.497		0.279	0.282	1.00	0.385	pCi/L	05/04/23 11:29	05/24/23 15:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.6		30 - 110					05/04/23 11:29	05/24/23 15:58	1
Y Carrier	87.1		30 - 110					05/04/23 11:29	05/24/23 15:58	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.996		0.315	0.321	5.00	0.385	pCi/L		05/30/23 14:51	1

**Client Sample ID: MW-2**

**Lab Sample ID: 180-155411-2**

Date Collected: 04/18/23 17:58

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.289		0.123	0.126	1.00	0.142	pCi/L	05/04/23 10:36	05/29/23 14:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					05/04/23 10:36	05/29/23 14:53	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.493		0.326	0.329	1.00	0.487	pCi/L	05/04/23 11:29	05/24/23 15:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					05/04/23 11:29	05/24/23 15:58	1
Y Carrier	87.5		30 - 110					05/04/23 11:29	05/24/23 15:58	1

Eurofins Pittsburgh

# Client Sample Results

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

Job ID: 180-155411-2

## Client Sample ID: MW-2

Lab Sample ID: 180-155411-2

Date Collected: 04/18/23 17:58

Matrix: Water

Date Received: 04/20/23 09:00

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.782		0.348	0.352	5.00	0.487	pCi/L		05/30/23 14:51	1

## Client Sample ID: MW-3

Lab Sample ID: 180-155411-3

Date Collected: 04/17/23 16:02

Matrix: Water

Date Received: 04/20/23 09:00

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.753		0.166	0.179	1.00	0.112	pCi/L	05/04/23 09:51	05/29/23 17:02	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	95.4		30 - 110					05/04/23 09:51	05/29/23 17:02	1

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.30		0.430	0.446	1.00	0.501	pCi/L	05/04/23 11:00	05/23/23 12:25	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	95.4		30 - 110					05/04/23 11:00	05/23/23 12:25	1
Y Carrier	83.7		30 - 110					05/04/23 11:00	05/23/23 12:25	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.05		0.461	0.481	5.00	0.501	pCi/L		05/30/23 14:53	1

## Client Sample ID: MW-4

Lab Sample ID: 180-155411-4

Date Collected: 04/17/23 18:02

Matrix: Water

Date Received: 04/20/23 09:00

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.297		0.117	0.120	1.00	0.129	pCi/L	05/04/23 09:51	05/29/23 17:02	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	97.8		30 - 110					05/04/23 09:51	05/29/23 17:02	1

# Client Sample Results

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

Job ID: 180-155411-2

## Client Sample ID: MW-4

Lab Sample ID: 180-155411-4

Date Collected: 04/17/23 18:02

Matrix: Water

Date Received: 04/20/23 09:00

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.296	U	0.322	0.324	1.00	0.525	pCi/L	05/04/23 11:00	05/23/23 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.8		30 - 110					05/04/23 11:00	05/23/23 12:28	1
Y Carrier	84.1		30 - 110					05/04/23 11:00	05/23/23 12:28	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.593		0.343	0.346	5.00	0.525	pCi/L		05/30/23 14:53	1

## Client Sample ID: MW-5

Lab Sample ID: 180-155411-5

Date Collected: 04/18/23 14:52

Matrix: Water

Date Received: 04/21/23 09:30

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.489		0.163	0.169	1.00	0.181	pCi/L	05/04/23 09:51	05/29/23 17:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					05/04/23 09:51	05/29/23 17:02	1

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.06		0.501	0.510	1.00	0.696	pCi/L	05/04/23 11:00	05/23/23 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.2		30 - 110					05/04/23 11:00	05/23/23 12:28	1
Y Carrier	80.4		30 - 110					05/04/23 11:00	05/23/23 12:28	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.55		0.527	0.537	5.00	0.696	pCi/L		05/30/23 14:53	1

# Client Sample Results

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

Job ID: 180-155411-2

**Client Sample ID: MW-6**

**Lab Sample ID: 180-155411-6**

Date Collected: 04/18/23 08:18

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.274		0.130	0.132	1.00	0.164	pCi/L	05/04/23 09:51	05/29/23 17:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					05/04/23 09:51	05/29/23 17:02	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.332	U	0.324	0.325	1.00	0.516	pCi/L	05/04/23 11:00	05/23/23 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					05/04/23 11:00	05/23/23 12:29	1
Y Carrier	80.4		30 - 110					05/04/23 11:00	05/23/23 12:29	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.606		0.349	0.351	5.00	0.516	pCi/L		05/30/23 14:53	1

**Client Sample ID: MW-7**

**Lab Sample ID: 180-155411-7**

Date Collected: 04/18/23 11:15

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.66		0.240	0.282	1.00	0.135	pCi/L	05/04/23 09:51	05/29/23 17:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110					05/04/23 09:51	05/29/23 17:04	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	3.51		0.632	0.710	1.00	0.566	pCi/L	05/04/23 11:00	05/23/23 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110					05/04/23 11:00	05/23/23 12:29	1
Y Carrier	84.9		30 - 110					05/04/23 11:00	05/23/23 12:29	1

# Client Sample Results

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

Job ID: 180-155411-2

**Client Sample ID: MW-7**

**Lab Sample ID: 180-155411-7**

Date Collected: 04/18/23 11:15

Matrix: Water

Date Received: 04/20/23 09:00

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	5.17		0.676	0.764	5.00	0.566	pCi/L		05/30/23 14:53	1

**Client Sample ID: MW-8**

**Lab Sample ID: 180-155411-8**

Date Collected: 04/18/23 13:15

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.290		0.115	0.118	1.00	0.131	pCi/L	05/04/23 09:51	05/29/23 17:04	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	99.5		30 - 110					05/04/23 09:51	05/29/23 17:04	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.893		0.394	0.402	1.00	0.520	pCi/L	05/04/23 11:00	05/23/23 12:29	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	99.5		30 - 110					05/04/23 11:00	05/23/23 12:29	1
Y Carrier	81.5		30 - 110					05/04/23 11:00	05/23/23 12:29	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.18		0.410	0.419	5.00	0.520	pCi/L		05/30/23 14:53	1

**Client Sample ID: MW-9**

**Lab Sample ID: 180-155411-9**

Date Collected: 04/18/23 19:40

Matrix: Water

Date Received: 04/21/23 09:30

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.196		0.100	0.102	1.00	0.126	pCi/L	05/04/23 09:51	05/29/23 17:04	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	98.3		30 - 110					05/04/23 09:51	05/29/23 17:04	1

# Client Sample Results

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

Job ID: 180-155411-2

## Client Sample ID: MW-9

Lab Sample ID: 180-155411-9

Date Collected: 04/18/23 19:40

Matrix: Water

Date Received: 04/21/23 09:30

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	0.454	U	0.330	0.333	1.00	0.498	pCi/L	05/04/23 11:00	05/23/23 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		30 - 110					05/04/23 11:00	05/23/23 12:29	1
Y Carrier	81.5		30 - 110					05/04/23 11:00	05/23/23 12:29	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Combined Radium 226 + 228	0.650		0.345	0.348	5.00	0.498	pCi/L		05/30/23 14:53	1

## Client Sample ID: MW-10

Lab Sample ID: 180-155411-10

Date Collected: 04/18/23 15:52

Matrix: Water

Date Received: 04/21/23 09:30

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.100	U	0.0816	0.0821	1.00	0.122	pCi/L	05/04/23 09:51	05/29/23 17:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		30 - 110					05/04/23 09:51	05/29/23 17:04	1

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	1.11		0.423	0.435	1.00	0.519	pCi/L	05/04/23 11:00	05/23/23 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.2		30 - 110					05/04/23 11:00	05/23/23 12:29	1
Y Carrier	81.5		30 - 110					05/04/23 11:00	05/23/23 12:29	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Combined Radium 226 + 228	1.21		0.431	0.443	5.00	0.519	pCi/L		05/30/23 14:53	1



# Client Sample Results

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

Job ID: 180-155411-2

**Client Sample ID: DUP-01**

**Lab Sample ID: 180-155411-11**

Date Collected: 04/17/23 15:02

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.856		0.177	0.193	1.00	0.121	pCi/L	05/04/23 09:51	05/29/23 17:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					05/04/23 09:51	05/29/23 17:05	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.97		0.508	0.539	1.00	0.526	pCi/L	05/04/23 11:00	05/23/23 12:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					05/04/23 11:00	05/23/23 12:29	1
Y Carrier	82.6		30 - 110					05/04/23 11:00	05/23/23 12:29	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.82		0.538	0.573	5.00	0.526	pCi/L		05/30/23 14:53	1

**Client Sample ID: DUP-02**

**Lab Sample ID: 180-155411-12**

Date Collected: 04/18/23 14:52

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.124	U	0.0968	0.0975	1.00	0.141	pCi/L	05/04/23 09:51	05/29/23 17:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.1		30 - 110					05/04/23 09:51	05/29/23 17:05	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.463	U	0.425	0.427	1.00	0.675	pCi/L	05/04/23 11:00	05/23/23 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.1		30 - 110					05/04/23 11:00	05/23/23 12:33	1
Y Carrier	80.7		30 - 110					05/04/23 11:00	05/23/23 12:33	1

# Client Sample Results

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

Job ID: 180-155411-2

**Client Sample ID: DUP-02**

**Lab Sample ID: 180-155411-12**

Date Collected: 04/18/23 14:52

Matrix: Water

Date Received: 04/20/23 09:00

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Combined Radium 226 + 228	0.587	U	0.436	0.438	5.00	0.675	pCi/L		05/30/23 14:53	1

**Client Sample ID: EB-01**

**Lab Sample ID: 180-155411-13**

Date Collected: 04/18/23 12:15

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	-0.0452	U	0.0656	0.0657	1.00	0.150	pCi/L	05/04/23 09:51	05/29/23 17:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					05/04/23 09:51	05/29/23 17:05	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	-0.0328	U	0.287	0.287	1.00	0.552	pCi/L	05/04/23 11:00	05/23/23 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					05/04/23 11:00	05/23/23 12:33	1
Y Carrier	80.0		30 - 110					05/04/23 11:00	05/23/23 12:33	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Combined Radium 226 + 228	-0.0780	U	0.294	0.294	5.00	0.552	pCi/L		05/30/23 14:53	1

**Client Sample ID: FB-01**

**Lab Sample ID: 180-155411-14**

Date Collected: 04/18/23 11:58

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	-0.0110	U	0.0592	0.0592	1.00	0.128	pCi/L	05/04/23 09:51	05/29/23 17:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/04/23 09:51	05/29/23 17:05	1

# Client Sample Results

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

Job ID: 180-155411-2

**Client Sample ID: FB-01**

**Lab Sample ID: 180-155411-14**

Date Collected: 04/18/23 11:58

Matrix: Water

Date Received: 04/20/23 09:00

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.242	U	0.307	0.308	1.00	0.510	pCi/L	05/04/23 11:00	05/23/23 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/04/23 11:00	05/23/23 12:33	1
Y Carrier	81.5		30 - 110					05/04/23 11:00	05/23/23 12:33	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.231	U	0.313	0.314	5.00	0.510	pCi/L		05/30/23 14:53	1



# QC Sample Results

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

Job ID: 180-155411-2

## Method: 9315 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-610053/1-A**  
**Matrix: Water**  
**Analysis Batch: 613626**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 610053**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Radium-226	-0.04092	U	0.0454	0.0455	1.00	0.122	pCi/L	05/04/23 09:51	05/29/23 17:01	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	91.7		30 - 110		05/04/23 09:51	05/29/23 17:01	1			

**Lab Sample ID: LCS 160-610053/2-A**  
**Matrix: Water**  
**Analysis Batch: 613626**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 610053**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.52		1.11	1.00	0.115	pCi/L	93	75 - 113
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	94.2		30 - 110						

**Lab Sample ID: LCSD 160-610053/3-A**  
**Matrix: Water**  
**Analysis Batch: 613626**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 610053**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit
				Uncert. (2σ+/-)							
Radium-226	11.3	9.367		1.03	1.00	0.144	pCi/L	83	75 - 113	0.54	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	93.2		30 - 110								

**Lab Sample ID: MB 160-610058/1-A**  
**Matrix: Water**  
**Analysis Batch: 613627**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 610058**

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert.	Uncert.						
Radium-226	-0.03154	U	0.0763	0.0764	1.00	0.164	pCi/L	05/04/23 10:36	05/29/23 12:54	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	94.4		30 - 110		05/04/23 10:36	05/29/23 12:54	1			

**Lab Sample ID: LCS 160-610058/2-A**  
**Matrix: Water**  
**Analysis Batch: 613627**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 610058**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.51		1.15	1.00	0.154	pCi/L	93	75 - 113

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# QC Sample Results

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

Job ID: 180-155411-2

## Method: 9315 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-610058/2-A  
Matrix: Water  
Analysis Batch: 613627

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 610058

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	80.8		30 - 110

Lab Sample ID: LCSD 160-610058/3-A  
Matrix: Water  
Analysis Batch: 613627

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 610058

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-226	11.3	10.02		1.11	1.00	0.166	pCi/L	88	75 - 113	0.21	1

Carrier	LCSD %Yield	LCSD Qualifier	Limits
Ba Carrier	77.9		30 - 110

## Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-610060/1-A  
Matrix: Water  
Analysis Batch: 612790

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 610060

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.06676	U	0.360	0.361	1.00	0.648	pCi/L	05/04/23 11:00	05/23/23 12:25	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.7		30 - 110	05/04/23 11:00	05/23/23 12:25	1
Y Carrier	83.4		30 - 110	05/04/23 11:00	05/23/23 12:25	1

Lab Sample ID: LCS 160-610060/2-A  
Matrix: Water  
Analysis Batch: 612790

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 610060

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.18	8.213		1.18	1.00	0.523	pCi/L	100	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	94.2		30 - 110
Y Carrier	83.7		30 - 110

Lab Sample ID: LCSD 160-610060/3-A  
Matrix: Water  
Analysis Batch: 612790

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 610060

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER Limit
Radium-228	8.18	8.347		1.21	1.00	0.580	pCi/L	102	75 - 125	0.06	1

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# QC Sample Results

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

Job ID: 180-155411-2

## Method: 9320 - Radium-228 (GFPC) (Continued)

**Lab Sample ID: LCSD 160-610060/3-A**  
**Matrix: Water**  
**Analysis Batch: 612790**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 610060**

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	93.2		30 - 110
Y Carrier	80.0		30 - 110

**Lab Sample ID: MB 160-610073/1-A**  
**Matrix: Water**  
**Analysis Batch: 613059**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 610073**

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	0.4225	U	0.303	0.305	1.00	0.453	pCi/L	05/04/23 11:29	05/24/23 15:50	1

Carrier	MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	94.4		30 - 110	05/04/23 11:29	05/24/23 15:50	1
Y Carrier	80.4		30 - 110	05/04/23 11:29	05/24/23 15:50	1

**Lab Sample ID: LCS 160-610073/2-A**  
**Matrix: Water**  
**Analysis Batch: 613059**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 610073**

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits

Carrier	LCS		Limits
	%Yield	Qualifier	
Ba Carrier	80.8		30 - 110
Y Carrier	82.2		30 - 110

**Lab Sample ID: LCSD 160-610073/3-A**  
**Matrix: Water**  
**Analysis Batch: 613059**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 610073**

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	RER	Limit

Carrier	LCSD		Limits
	%Yield	Qualifier	
Ba Carrier	77.9		30 - 110
Y Carrier	78.1		30 - 110

# QC Association Summary

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

Job ID: 180-155411-2

## Rad

### Prep Batch: 610053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-3	MW-3	Total/NA	Water	PrecSep-21	
180-155411-4	MW-4	Total/NA	Water	PrecSep-21	
180-155411-5	MW-5	Total/NA	Water	PrecSep-21	
180-155411-6	MW-6	Total/NA	Water	PrecSep-21	
180-155411-7	MW-7	Total/NA	Water	PrecSep-21	
180-155411-8	MW-8	Total/NA	Water	PrecSep-21	
180-155411-9	MW-9	Total/NA	Water	PrecSep-21	
180-155411-10	MW-10	Total/NA	Water	PrecSep-21	
180-155411-11	DUP-01	Total/NA	Water	PrecSep-21	
180-155411-12	DUP-02	Total/NA	Water	PrecSep-21	
180-155411-13	EB-01	Total/NA	Water	PrecSep-21	
180-155411-14	FB-01	Total/NA	Water	PrecSep-21	
MB 160-610053/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-610053/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-610053/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 610058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total/NA	Water	PrecSep-21	
180-155411-2	MW-2	Total/NA	Water	PrecSep-21	
MB 160-610058/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-610058/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-610058/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

### Prep Batch: 610060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-3	MW-3	Total/NA	Water	PrecSep_0	
180-155411-4	MW-4	Total/NA	Water	PrecSep_0	
180-155411-5	MW-5	Total/NA	Water	PrecSep_0	
180-155411-6	MW-6	Total/NA	Water	PrecSep_0	
180-155411-7	MW-7	Total/NA	Water	PrecSep_0	
180-155411-8	MW-8	Total/NA	Water	PrecSep_0	
180-155411-9	MW-9	Total/NA	Water	PrecSep_0	
180-155411-10	MW-10	Total/NA	Water	PrecSep_0	
180-155411-11	DUP-01	Total/NA	Water	PrecSep_0	
180-155411-12	DUP-02	Total/NA	Water	PrecSep_0	
180-155411-13	EB-01	Total/NA	Water	PrecSep_0	
180-155411-14	FB-01	Total/NA	Water	PrecSep_0	
MB 160-610060/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-610060/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-610060/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

### Prep Batch: 610073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-155411-1	MW-1	Total/NA	Water	PrecSep_0	
180-155411-2	MW-2	Total/NA	Water	PrecSep_0	
MB 160-610073/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-610073/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-610073/3-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	





**Chain of Custody Record**

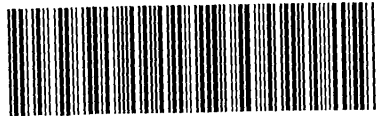
**244-ATLANTA**  
 Environmental Testing  
 Analytical

<b>Client Information</b>		Lab P/N: Brown, Shall		Carrier Tracking No(s):		COC No:	
Client Contact: SCS Contacts		E-Mail: shall.brown@eurofinset.com		Page: 142		Job #:	
Company: SCS		Due Date Requested:		Analysis Requested:		Preservation Codes:	
Address: 3535 Colonnade Pkwy Bin S 530 EC		TAT Requested (days):		Total Dissolved Solids		A - HCL	
City: Birmingham		PO #: SCS-10382606		Chloride Fluoride and Sulfate		M - Hexane	
State, Zip: Alabama		W/O #:		Custom (4 Appl and 17) + Mercury		N - None	
Phone: 205.992.6283		SCS Contacts / SCS/John/Kosinger/Sullivan		Field Blank Sample (Yes or No)		O - AsNaOZ	
Email:		Project #: 18020047		Matrix (Membrane, Solid, O-membrane, etc.)		P - NaZnO4S	
Plant Name: Plant Daniel GSA		SSOWNR:		Sample Date		Q - NaHSO4	
Site:		Sample Time		Sample Type (C-Comp, G-grab)		R - NaZnSO3	
Sample Identification		Sample Date		Sample Time		S - H2SO4	
MW-1		4-18-23		0930 G		T - TSP Dodecahydrate	
MW-2		4-18-23		1758 G		U - Acetone	
MW-3		4-18-23		1602 G		V - MCAA	
MW-4		4-17-23		1802 G		W - pH 4.5	
MW-5		4-18-23		1452 G		X - other (specify)	
MW-6		4-18-23		0818 G		Other:	
MW-7		4-18-23		1115 G		Total Number of containers	
MW-8		4-18-23		1315 G		X	
MW-9		4-18-23		1940 G		X	
MW-10		4-18-23		1552 G		X	
Dup-01		4-17-23		1502 G		X	
Possible Hazard Identification		Sample Date		Sample Time		Spec	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Date		Sample Type		180-155411 Chain of Custody	
Deliverable Requested: I, II, III, IV, Other (specify)		Date		Sample Time		180-155411 Chain of Custody	
Empty Kit Relinquished by:		Date		Sample Type		180-155411 Chain of Custody	
Relinquished by: [Signature]		Date: 4-19-23		Sample Type: G		180-155411 Chain of Custody	
Relinquished by: [Signature]		Date: 4-19-23		Sample Type: G		180-155411 Chain of Custody	
Relinquished by:		Date:		Sample Type:		180-155411 Chain of Custody	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Date:		Sample Type:		180-155411 Chain of Custody	
Custody Seal No.:		Date:		Sample Type:		180-155411 Chain of Custody	
Cooler Temperature(s) °C and Other Remarks:		Date:		Sample Type:		180-155411 Chain of Custody	
Level II Reports and Associated WDNs		Date:		Sample Type:		180-155411 Chain of Custody	
Received by: [Signature]		Date/Time: 4-20-23 0900		Sample Type: G		180-155411 Chain of Custody	
Received by: [Signature]		Date/Time:		Sample Type:		180-155411 Chain of Custody	
Received by:		Date/Time:		Sample Type:		180-155411 Chain of Custody	
Company: RDI ENH		Date/Time:		Sample Type:		180-155411 Chain of Custody	
Company:		Date/Time:		Sample Type:		180-155411 Chain of Custody	
Company:		Date/Time:		Sample Type:		180-155411 Chain of Custody	
Company: Ed. Howe		Date/Time:		Sample Type:		180-155411 Chain of Custody	
Company:		Date/Time:		Sample Type:		180-155411 Chain of Custody	
Company:		Date/Time:		Sample Type:		180-155411 Chain of Custody	

<b>Client Information</b>		Sampler: <i>Rick Ayers</i>		Lab PM: Brown, Shali		Carrier Tracking Note:		GOC No:	
Client Contact: SCS Contacts		Phone: 850-336-0192		E-Mail: shali.brown@eurofins.com		Page: 2 of 2		Job #:	
Company: SCS		Due Date Requested:		Analysis Requested:		Total Number of Containers:		Special Instructions/Note:	
Address: 3535 Colonnade Parkway Bin S 530 EC		TAT Requested (days):		Radium 226 Radium 228 + Combined		Total Number of Containers:		Special Instructions/Note:	
City: Birmingham		PO #: SCS10382606		Total Dissolved Solids		Total Number of Containers:		Special Instructions/Note:	
State, Zip: Alabama		WO #: 18020047		Chloride Fluoride and Sulfate		Total Number of Containers:		Special Instructions/Note:	
Phone: 205.992.6283		Project #: 18020047		Custom (4 Appl and IV) + Mercury		Total Number of Containers:		Special Instructions/Note:	
Email: <i>roy.smyler@rosingco.com</i>		SSOM#:		Field Filtered Sample (Yes or No)		Total Number of Containers:		Special Instructions/Note:	
Project Name: <i>Rosinger Southern Co. Ga</i>		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=Soil, O=Other)	
Plant: Daniel GSA		4-18-23		1452		G		water	
Site:		4-18-23		1215		G		water	
		4-18-23		1158		G		water	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=Soil, O=Other)	
DUP-02		4-18-23		1452		G		water	
EB-01		4-18-23		1215		G		water	
EB-02		4-18-23		1158		G		water	
4-18-23 FB-01									
Possible Hazard Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=Soil, O=Other)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological									
Deliverable Requested: I, II, III, IV, Other (specify)		Date:		Time:		Method of Shipment:		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Relinquished by: <i>Paul H...</i>		4-19-23		1452		G		water	
Relinquished by:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Relinquished by:		Date/Time:		Date/Time:		Date/Time:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Company: <i>ROH EN.</i>		Company: <i>ROH EN.</i>		Company: <i>ROH EN.</i>	



180-155411 Waybill



ORIGIN ID:MOBA (412) 963-7058  
TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 19APR23  
ACTWGT: 66.55 LB  
CAD: 6994563/SSFE2401  
DIMS: 23x12x14 IN  
BILL THIRD PARTY

Part # 158297-435 PROB2 EXP 09/24

TO EUOROFINS  
RIDC PARK  
301 ALPHA DR

PITTSBURGH PA 15238

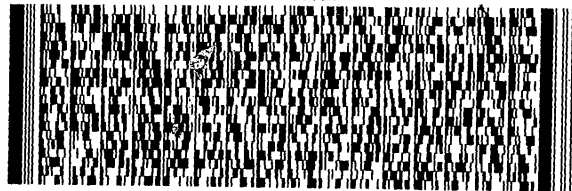
(412) 963-7058

REF:

THU:

PO:

DEPT:



FedEx Express



4 of 5

MPS# 3972 4244 9049  
0263

Mstr# 3972 4244 9016

0201

THU - 20 APR 10:30A  
PRIORITY OVERNIGHT

**XN AGCA**

15238  
PA-US PIT



Uncorrected temp  
Thermometer ID

CF CF Initials BE

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

204  
10  
BE



Street Address We cannot deliver to P.O. boxes or P.O. ZIP codes.

Company	Dept./Floor/Suite/Room
Phone Number	( )

Recipient's Name Please print

Do Not Lift Using This Tag

ORIGIN RT 198  
TESTAMER FZ 197  
SEE CHEER  
301 ALPHA  
PITTSBURGH, PA 15238  
UNITED STATES US

10:30  
9050  
04.20  
A

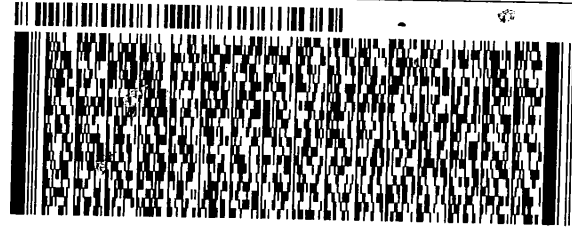
SHIP DATE: 19APR23  
ACTWGT: 59.00 LB  
CAD: 6994563/SSFE2401  
DIMS: 24x12x13 IN  
BILL THIRD PARTY

PART # 156297435 RFD82 EXP 03/24

TO EUOROFINS  
RIDC PARK  
301 ALPHA DR

PITTSBURGH PA 15238

(412) 863-7058 REF: DEPT:



5 of 5  
MPS# 3972 4244 9050  
Mstr# 3972 4244 9016

THU - 20 APR 10:30A  
PRIORITY OVERNIGHT

XN AGCA

15238  
PA-US PIT

Uncorrected temp  
Thermometer ID 1.8 °C  
CF Initials  
PT-WI-SR-001 effective 11/8/18



Courier or Driver: Place Astra or Barcoded Label Here

ORIGIN ID:MOBA (412) 963-7058

TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 19APR23  
ACTWT: 65.50 LB  
CAD: 6994563/SSFE2401  
DIMS: 23x13x14 IN

BILL THIRD PARTY

Part # 159297-435 FRDB2 Exp 03/24

TO EUOROFINS  
RIDC PARK  
301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7058

REF:

DEPT:

Uncorrected temp  
Thermometer ID 9.6  
CF 9.0 Initials VR  
PT-WI-SR-001 effective 11/8/18

FedEx  
Express



2 of 5

MPS# 3972 4244 9027

Mstr# 3972 4244 9016

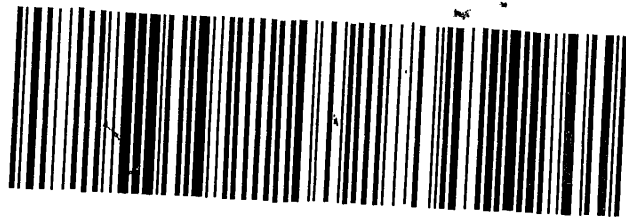
0201

THU - 20 APR 10:30A  
PRIORITY OVERNIGHT

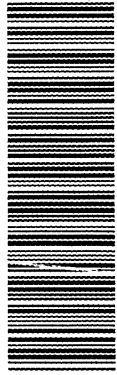
**XN AGCA**

AHS  
15238

PA-US PIT



... This Tag



180-155417 Waybill

40 CFP #M

D Warehouse  
D 4-21-23  
9:30

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

# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Sampler: Brown, Shali		Carrier Tracking No(s): 180-485591.1	
Client Contact: Shipping/Receiving		Phone: E-Mail: Shali.Brown@et.eurofinsus.com		Page: Page 1 of 2	
Company: TestAmerica Laboratories, Inc.		Address: 13715 Rider Trail North, Earth City, MO, 63045		Job #: 180-155411-2	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		PO #: WO #:		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 Other:	
Project Name: Plant Daniel GSA CCR		Project #: 18020047		Special Instructions/Note:	
Site: SSOW#:		Due Date Requested: 5/3/2023		Total Number of Containers: 2	
		TAT Requested (days):		Analysis Requested:	
		PO #:		9315_Ra226/PreSep_21 Radium 226	
		WO #:		920_Ra228/PreSep_0 Standard Target List	
		Project #:		Perform MS/MSD (Yes or No)	
		Site: SSOW#:		Field Filtered Sample (Yes or No)	
				R226Ra228_GFPC	
				Matrix (W=water, S=solid, O=swastill, BT=Tissue, A=Air)	
				Sample Type (C=Comp, G=grab)	
				Sample Time	
				Sample Date	
				Preservation Code:	
				MW-1 (180-155411-1)	
				MW-2 (180-155411-2)	
				MW-3 (180-155411-3)	
				MW-4 (180-155411-4)	
				MW-5 (180-155411-5)	
				MW-6 (180-155411-6)	
				MW-7 (180-155411-7)	
				MW-8 (180-155411-8)	
				MW-9 (180-155411-9)	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte &amp; accreditation compliance upon our subcontractor 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/res/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.</p>					
<b>Possible Hazard Identification</b>					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2					
Special Instructions/QC Requirements:					
<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For    Months					
Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)					
Empty Kit Relinquished by:		Date: 4/26/23		Method of Shipment:	
Relinquished by: [Signature]		Date/Time: 4/26/23 11:15		Company: FedEx	
Relinquished by: [Signature]		Date/Time: 4/27/23 08:25		Company: ETASTL	
Relinquished by: [Signature]		Date/Time:		Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	





<b>Client Information (Sub Contract Lab)</b>		Sampler:	Lab P.M:	Carrier Tracking No(s):	COC No:
Client Contact Shipping/Receiving		Phone:	Brown, Shali	State of Origin:	180-485591.2
Company: TestAmerica Laboratories, Inc.		E-Mail:	Shali.Brown@et.eurofins.com	Mississippi	Page: 2 of 2
Address: 13715 Rider Trail North,		Accreditations Required (See note):		Job #:	180-155411-2
City:	Due Date Requested:	<b>Analysis Requested</b>		Preservation Codes:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - H2PO4 U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)
Earth City	TAT Requested (days):			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 Other:	
State, Zip: MO, 63045	PO #:			9315_Ra226/PreSep_21 Radium 226	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	WO #:			9320_Ra228/PreSep_0 Standard Target List	
Email:	Project #:			Perform M5/MSD (Yes or No)	
Plant Daniel GSA CCR	18020047			Field Filtered Sample (Yes or No)	
Site:	SSOW#:			Special Instructions/Note:	
<b>Sample Identification - Client ID (Lab ID)</b>				Total Number of Containers	
MW-10 (180-155411-10)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=Blank, A=Air)	2
DUP-01 (180-155411-11)	4/18/23	15:52 Central	Water	Water	2
DUP-02 (180-155411-12)	4/17/23	15:02 Central	Water	Water	2
EB-01 (180-155411-13)	4/18/23	14:52 Central	Water	Water	2
FB-01 (180-155411-14)	4/18/23	12:15 Central	Water	Water	2
	4/18/23	11:58 Central	Water	Water	2
<p>Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte &amp; 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/ests/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.</p>					
<b>Possible Hazard Identification</b>					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify)					
Primary Deliverable Rank: 2					
Empty Kit Relinquished by:					
Relinquished by: <i>[Signature]</i> Date: 4/20/23 (7:00)					
Relinquished by: <i>[Signature]</i> Date: 4/20/23 (7:00)					
Relinquished by: <i>[Signature]</i> Date: 4/27/23 (8:25)					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Custody Seal No.:					
Cooler Temperature(s) °C and Other Remarks:					

## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-155411-2

**Login Number: 155411**

**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.	False	
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: 180-155411-2

**Login Number: 155411**

**List Number: 2**

**Creator: Watson, Debbie**

**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: 180-155411-2

**Login Number: 155411**

**List Number: 3**

**Creator: Sharkey-Gonzalez, Briana L**

**List Source: Eurofins St. Louis**

**List Creation: 04/27/23 01:05 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
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.	N/A	
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	



# Low-Flow Test Report:

Test Date / Time: 4/18/2023 8:46:25 AM

Project: Daniel GSA CCR MW-1

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-1</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.3 ft</b> <b>Total Depth: 53.3 ft</b> <b>Initial Depth to Water: 20.67 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 48.3 ft</b> <b>Estimated Total Volume Pumped: 16000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
--	--	--

## Test Notes:

## Weather Conditions:

Sunny 53

## 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	
4/18/2023 8:46 AM	00:00	4.83 pH	19.81 °C	58.71 µS/cm	1.84 mg/L		136.8 mV	20.67 ft	400.00 ml/min
4/18/2023 8:51 AM	05:00	4.80 pH	19.86 °C	58.94 µS/cm	1.12 mg/L	4.11 NTU	135.4 mV	20.77 ft	400.00 ml/min
4/18/2023 8:56 AM	10:00	4.81 pH	19.91 °C	59.21 µS/cm	1.10 mg/L	11.10 NTU	133.9 mV	20.77 ft	400.00 ml/min
4/18/2023 9:01 AM	15:00	4.79 pH	19.94 °C	59.33 µS/cm	1.11 mg/L	9.23 NTU	133.2 mV	20.77 ft	400.00 ml/min
4/18/2023 9:06 AM	20:00	4.78 pH	20.00 °C	59.33 µS/cm	1.14 mg/L	6.07 NTU	132.5 mV	20.77 ft	400.00 ml/min
4/18/2023 9:11 AM	25:00	4.78 pH	20.07 °C	59.27 µS/cm	1.17 mg/L	4.11 NTU	131.5 mV	20.77 ft	400.00 ml/min
4/18/2023 9:16 AM	30:00	4.78 pH	20.12 °C	59.27 µS/cm	1.18 mg/L	2.64 NTU	130.7 mV	20.77 ft	400.00 ml/min
4/18/2023 9:21 AM	35:00	4.79 pH	20.05 °C	59.27 µS/cm	1.20 mg/L	2.02 NTU	133.0 mV	20.77 ft	400.00 ml/min
4/18/2023 9:26 AM	40:00	4.80 pH	20.06 °C	59.30 µS/cm	1.23 mg/L	1.61 NTU	132.5 mV	20.77 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-1	Sample time 0930



# Low-Flow Test Report:

Test Date / Time: 4/18/2023 4:24:33 PM

Project: Daniel GSA CCR MW-2

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.2 ft</b> <b>Total Depth: 53.2 ft</b> <b>Initial Depth to Water: 19.07 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 48.2 ft</b> <b>Estimated Total Volume Pumped: 36000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.09 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

Cloudy 75

## 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	
4/18/2023 4:24 PM	00:00	4.72 pH	21.68 °C	47.64 µS/cm	5.03 mg/L		126.4 mV	19.07 ft	400.00 ml/min
4/18/2023 4:29 PM	05:00	4.69 pH	21.05 °C	47.27 µS/cm	5.00 mg/L	0.93 NTU	127.2 mV	19.16 ft	400.00 ml/min
4/18/2023 4:34 PM	10:00	4.67 pH	21.03 °C	46.62 µS/cm	5.01 mg/L	1.90 NTU	120.6 mV	19.16 ft	400.00 ml/min
4/18/2023 4:39 PM	15:00	4.66 pH	21.01 °C	46.28 µS/cm	5.03 mg/L	3.31 NTU	119.6 mV	19.16 ft	400.00 ml/min
4/18/2023 4:44 PM	20:00	4.67 pH	21.00 °C	45.84 µS/cm	5.01 mg/L	4.79 NTU	118.6 mV	19.16 ft	400.00 ml/min
4/18/2023 4:49 PM	25:00	4.64 pH	21.01 °C	45.59 µS/cm	5.00 mg/L	7.62 NTU	118.2 mV	19.16 ft	400.00 ml/min
4/18/2023 4:54 PM	30:00	4.63 pH	21.04 °C	45.07 µS/cm	4.99 mg/L	9.76 NTU	117.6 mV	19.16 ft	400.00 ml/min
4/18/2023 4:59 PM	35:00	4.62 pH	21.18 °C	44.60 µS/cm	5.00 mg/L	8.32 NTU	117.2 mV	19.16 ft	400.00 ml/min
4/18/2023 5:04 PM	40:00	4.61 pH	21.46 °C	44.38 µS/cm	4.96 mg/L	7.50 NTU	120.9 mV	19.16 ft	400.00 ml/min
4/18/2023 5:09 PM	45:00	4.61 pH	21.58 °C	44.21 µS/cm	4.96 mg/L	6.31 NTU	116.4 mV	19.16 ft	400.00 ml/min
4/18/2023 5:14 PM	50:00	4.61 pH	21.61 °C	44.07 µS/cm	4.96 mg/L	5.66 NTU	116.0 mV	19.16 ft	400.00 ml/min
4/18/2023 5:19 PM	55:00	4.61 pH	21.46 °C	44.21 µS/cm	4.97 mg/L	4.44 NTU	120.3 mV	19.16 ft	400.00 ml/min
4/18/2023 5:24 PM	01:00:00	4.61 pH	21.30 °C	44.30 µS/cm	4.97 mg/L	4.63 NTU	116.4 mV	19.16 ft	400.00 ml/min



4/18/2023 5:29 PM	01:05:00	4.61 pH	21.25 °C	44.29 µS/cm	4.95 mg/L	4.01 NTU	120.3 mV	19.16 ft	400.00 ml/min
4/18/2023 5:34 PM	01:10:00	4.61 pH	21.19 °C	44.30 µS/cm	4.95 mg/L	3.62 NTU	116.0 mV	19.16 ft	400.00 ml/min
4/18/2023 5:39 PM	01:15:00	4.59 pH	21.28 °C	44.27 µS/cm	4.92 mg/L	3.17 NTU	115.9 mV	19.16 ft	400.00 ml/min
4/18/2023 5:44 PM	01:20:00	4.61 pH	21.16 °C	44.27 µS/cm	4.96 mg/L	3.06 NTU	115.4 mV	19.16 ft	400.00 ml/min
4/18/2023 5:49 PM	01:25:00	4.61 pH	21.07 °C	44.38 µS/cm	4.94 mg/L	2.65 NTU	115.6 mV	19.16 ft	400.00 ml/min
4/18/2023 5:54 PM	01:30:00	4.61 pH	20.98 °C	44.27 µS/cm	4.97 mg/L	2.10 NTU	115.6 mV	19.16 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-2	Sample time 1758

# Low-Flow Test Report:

Test Date / Time: 4/17/2023 3:34:56 PM

Project: Daniel GSA CCR MW-3

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-3</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 44.25 ft</b> <b>Total Depth: 54.25 ft</b> <b>Initial Depth to Water: 22.78 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 49.25 ft</b> <b>Estimated Total Volume Pumped: 10000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.02 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

Sunny 74

## 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	
4/17/2023 3:34 PM	00:00	6.29 pH	27.57 °C	71.74 µS/cm	7.63 mg/L		97.8 mV	22.78 ft	400.00 ml/min
4/17/2023 3:39 PM	05:00	4.36 pH	23.25 °C	58.30 µS/cm	4.07 mg/L	1.13 NTU	93.1 mV	22.80 ft	400.00 ml/min
4/17/2023 3:44 PM	10:00	4.38 pH	22.99 °C	57.36 µS/cm	3.75 mg/L	1.28 NTU	94.7 mV	22.80 ft	400.00 ml/min
4/17/2023 3:49 PM	15:00	4.39 pH	22.91 °C	57.70 µS/cm	3.63 mg/L	0.83 NTU	96.5 mV	22.80 ft	400.00 ml/min
4/17/2023 3:54 PM	20:00	4.39 pH	22.85 °C	58.47 µS/cm	3.58 mg/L	0.76 NTU	99.7 mV	22.80 ft	400.00 ml/min
4/17/2023 3:59 PM	25:00	4.40 pH	22.80 °C	59.13 µS/cm	3.54 mg/L	0.69 NTU	99.3 mV	22.80 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-3	Sample time 1602.
Dup-01	Fake sample time 1502

# Low-Flow Test Report:

Test Date / Time: 4/17/2023 5:02:17 PM

Project: Daniel GSA CCR MW-4

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-4</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 m</b> <b>Top of Screen: 41.8 m</b> <b>Total Depth: 51.8 ft</b> <b>Initial Depth to Water: 22.47 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 46.8 ft</b> <b>Estimated Total Volume Pumped: 22793.334 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.09 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

Sunny 73

## 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	
4/17/2023 5:02 PM	00:00	4.74 pH	21.78 °C	37.81 µS/cm	4.11 mg/L		119.7 mV	22.47 ft	400.00 ml/min
4/17/2023 5:04 PM	01:59	4.62 pH	21.02 °C	40.23 µS/cm	3.00 mg/L	3.01 NTU	120.6 mV	22.56 ft	400.00 ml/min
4/17/2023 5:09 PM	06:59	4.60 pH	20.71 °C	41.37 µS/cm	2.81 mg/L	5.60 NTU	114.5 mV	22.56 ft	400.00 ml/min
4/17/2023 5:14 PM	11:59	4.61 pH	20.69 °C	39.95 µS/cm	2.97 mg/L	6.18 NTU	112.8 mV	22.56 ft	400.00 ml/min
4/17/2023 5:19 PM	16:59	4.61 pH	20.64 °C	38.08 µS/cm	3.02 mg/L	5.79 NTU	112.1 mV	22.56 ft	400.00 ml/min
4/17/2023 5:24 PM	21:59	4.61 pH	20.61 °C	38.12 µS/cm	3.10 mg/L	4.79 NTU	111.4 mV	22.56 ft	400.00 ml/min
4/17/2023 5:29 PM	26:59	4.61 pH	20.63 °C	38.33 µS/cm	3.15 mg/L	4.41 NTU	111.1 mV	22.56 ft	400.00 ml/min
4/17/2023 5:34 PM	31:59	4.60 pH	20.61 °C	38.47 µS/cm	3.20 mg/L	3.94 NTU	111.5 mV	22.56 ft	400.00 ml/min
4/17/2023 5:39 PM	36:59	4.61 pH	20.63 °C	38.30 µS/cm	3.21 mg/L	3.05 NTU	111.3 mV	22.56 ft	400.00 ml/min
4/17/2023 5:44 PM	41:59	4.61 pH	20.61 °C	38.23 µS/cm	3.23 mg/L	2.63 NTU	111.0 mV	22.56 ft	400.00 ml/min
4/17/2023 5:49 PM	46:59	4.61 pH	20.57 °C	38.18 µS/cm	3.23 mg/L	2.12 NTU	114.0 mV	22.56 ft	400.00 ml/min
4/17/2023 5:54 PM	51:59	4.61 pH	20.52 °C	38.06 µS/cm	3.25 mg/L	1.96 NTU	111.6 mV	22.56 ft	400.00 ml/min
4/17/2023 5:59 PM	56:59	4.61 pH	20.48 °C	38.02 µS/cm	3.26 mg/L	1.88 NTU	111.5 mV	22.56 ft	400.00 ml/min

**Samples**

Sample ID:	Description:
MW-4	Sample time 1802

# Low-Flow Test Report:

Test Date / Time: 4/18/2023 2:18:52 PM

Project: Daniel GSA CCR MW-5

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-5</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 46.3 ft</b> <b>Total Depth: 56.3 ft</b> <b>Initial Depth to Water: 21.78 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 51.3 ft</b> <b>Estimated Total Volume Pumped: 12000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.09 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

P/C 74

## 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	
4/18/2023 2:18 PM	00:00	4.46 pH	22.28 °C	46.96 µS/cm	2.40 mg/L		146.0 mV	21.78 ft	400.00 ml/min
4/18/2023 2:23 PM	05:00	4.50 pH	20.74 °C	48.83 µS/cm	0.86 mg/L	4.56 NTU	148.6 mV	21.87 ft	400.00 ml/min
4/18/2023 2:28 PM	10:00	4.54 pH	20.64 °C	49.47 µS/cm	0.73 mg/L	3.98 NTU	140.2 mV	21.87 ft	400.00 ml/min
4/18/2023 2:33 PM	15:00	4.55 pH	20.61 °C	49.96 µS/cm	0.69 mg/L	2.08 NTU	139.0 mV	21.87 ft	400.00 ml/min
4/18/2023 2:38 PM	20:00	4.56 pH	20.59 °C	50.28 µS/cm	0.68 mg/L	1.56 NTU	144.5 mV	21.87 ft	400.00 ml/min
4/18/2023 2:43 PM	25:00	4.57 pH	20.58 °C	50.39 µS/cm	0.68 mg/L	0.99 NTU	138.2 mV	21.87 ft	400.00 ml/min
4/18/2023 2:48 PM	30:00	4.58 pH	20.58 °C	50.46 µS/cm	0.67 mg/L	0.67 NTU	137.2 mV	21.87 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-5	Sample time 1452

# Low-Flow Test Report:

Test Date / Time: 4/18/2023 7:49:28 AM

Project: Daniel GSA CCR MW-6

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-6</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 46 ft</b> <b>Total Depth: 56 ft</b> <b>Initial Depth to Water: 21.81 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 51 ft</b> <b>Estimated Total Volume Pumped: 10000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.04 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

Sunny 51

## 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	
4/18/2023 7:49 AM	00:00	6.82 pH	13.15 °C	41.65 µS/cm	11.80 mg/L		128.6 mV	21.81 ft	400.00 ml/min
4/18/2023 7:54 AM	05:00	4.54 pH	19.17 °C	36.17 µS/cm	0.75 mg/L	1.63 NTU	107.9 mV	21.85 ft	400.00 ml/min
4/18/2023 7:59 AM	10:00	4.56 pH	19.68 °C	34.77 µS/cm	0.27 mg/L	1.33 NTU	110.5 mV	21.85 ft	400.00 ml/min
4/18/2023 8:04 AM	15:00	4.55 pH	19.77 °C	34.63 µS/cm	0.22 mg/L	1.24 NTU	108.8 mV	21.85 ft	400.00 ml/min
4/18/2023 8:09 AM	20:00	4.56 pH	19.90 °C	34.61 µS/cm	0.22 mg/L	1.39 NTU	109.3 mV	21.85 ft	400.00 ml/min
4/18/2023 8:14 AM	25:00	4.56 pH	19.90 °C	34.68 µS/cm	0.22 mg/L	1.24 NTU	113.7 mV	21.85 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-6	Sample time 0818

# Low-Flow Test Report:

Test Date / Time: 4/18/2023 10:27:24 AM

Project: Daniel GSA CCR MW-7

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-7</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.8 ft Total Depth: 54.8 ft Initial Depth to Water: 19.38 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 49.8 ft Estimated Total Volume Pumped: 18000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.07 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 852546
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## Test Notes:

## Weather Conditions:

Sunny 68

## 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	
4/18/2023 10:27 AM	00:00	4.70 pH	18.75 °C	76.58 µS/cm	8.11 mg/L		146.1 mV	19.38 ft	400.00 ml/min
4/18/2023 10:32 AM	05:00	4.35 pH	20.75 °C	83.25 µS/cm	6.40 mg/L	2.26 NTU	129.7 mV	19.45 ft	400.00 ml/min
4/18/2023 10:37 AM	10:00	4.34 pH	21.02 °C	82.81 µS/cm	6.32 mg/L	2.45 NTU	128.5 mV	19.45 ft	400.00 ml/min
4/18/2023 10:42 AM	15:00	4.33 pH	21.28 °C	83.77 µS/cm	6.35 mg/L	2.24 NTU	132.9 mV	19.45 ft	400.00 ml/min
4/18/2023 10:47 AM	20:00	4.33 pH	21.41 °C	85.08 µS/cm	6.36 mg/L	2.47 NTU	129.9 mV	19.45 ft	400.00 ml/min
4/18/2023 10:52 AM	25:00	4.33 pH	21.51 °C	86.74 µS/cm	6.39 mg/L	3.08 NTU	130.4 mV	19.45 ft	400.00 ml/min
4/18/2023 10:57 AM	30:00	4.33 pH	21.58 °C	87.53 µS/cm	6.40 mg/L	3.42 NTU	130.8 mV	19.45 ft	400.00 ml/min
4/18/2023 11:02 AM	35:00	4.33 pH	21.61 °C	87.40 µS/cm	6.41 mg/L	2.68 NTU	131.2 mV	19.45 ft	400.00 ml/min
4/18/2023 11:07 AM	40:00	4.33 pH	21.68 °C	87.18 µS/cm	6.39 mg/L	2.21 NTU	131.6 mV	19.45 ft	400.00 ml/min
4/18/2023 11:12 AM	45:00	4.32 pH	21.73 °C	87.28 µS/cm	6.39 mg/L	1.98 NTU	136.1 mV	19.45 ft	400.00 ml/min

## Samples

Sample ID:	Description:
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MW-7

Sample time 1115

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# Low-Flow Test Report:

Test Date / Time: 4/18/2023 12:40:22 PM

Project: Daniel GSA CCR MW-8

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-8</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 45.8 ft</b> <b>Total Depth: 55.8 ft</b> <b>Initial Depth to Water: 19.21 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 50.8 ft</b> <b>Estimated Total Volume Pumped: 12000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.07 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

PC 72

## 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	
4/18/2023 12:40 PM	00:00	5.02 pH	25.48 °C	40.71 µS/cm	5.67 mg/L		154.6 mV	19.21 ft	400.00 ml/min
4/18/2023 12:45 PM	05:00	4.65 pH	22.20 °C	49.35 µS/cm	3.88 mg/L	1.70 NTU	147.6 mV	19.28 ft	400.00 ml/min
4/18/2023 12:50 PM	10:00	4.66 pH	21.89 °C	49.79 µS/cm	3.88 mg/L	3.39 NTU	152.5 mV	19.28 ft	400.00 ml/min
4/18/2023 12:55 PM	15:00	4.66 pH	21.81 °C	50.01 µS/cm	3.85 mg/L	3.04 NTU	151.6 mV	19.28 ft	400.00 ml/min
4/18/2023 1:00 PM	20:00	4.66 pH	21.76 °C	50.13 µS/cm	3.84 mg/L	2.60 NTU	145.6 mV	19.28 ft	400.00 ml/min
4/18/2023 1:05 PM	25:00	4.66 pH	21.77 °C	49.84 µS/cm	3.84 mg/L	2.48 NTU	145.0 mV	19.28 ft	400.00 ml/min
4/18/2023 1:10 PM	30:00	4.66 pH	21.78 °C	49.74 µS/cm	3.80 mg/L	1.97 NTU	144.4 mV	19.28 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-8	Sample time 1315

# Low-Flow Test Report:

Test Date / Time: 4/18/2023 7:02:36 PM

Project: Daniel GSA CCR MW-9

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-9</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 46.2 ft</b> <b>Total Depth: 56.2 ft</b> <b>Initial Depth to Water: 18.72 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 51.2 ft</b> <b>Estimated Total Volume Pumped: 14000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.09 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

Sunset 69

## 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	
4/18/2023 7:02 PM	00:00	4.76 pH	21.42 °C	41.96 µS/cm	4.77 mg/L		152.0 mV	18.72 ft	400.00 ml/min
4/18/2023 7:07 PM	05:00	4.78 pH	20.70 °C	42.12 µS/cm	4.94 mg/L	0.31 NTU	156.4 mV	18.80 ft	400.00 ml/min
4/18/2023 7:12 PM	10:00	4.77 pH	20.61 °C	41.40 µS/cm	5.24 mg/L	0.30 NTU	149.0 mV	18.81 ft	400.00 ml/min
4/18/2023 7:17 PM	15:00	4.77 pH	20.57 °C	40.99 µS/cm	5.41 mg/L	0.19 NTU	154.9 mV	18.81 ft	400.00 ml/min
4/18/2023 7:22 PM	20:00	4.77 pH	20.53 °C	40.77 µS/cm	5.51 mg/L	0.26 NTU	147.9 mV	18.81 ft	400.00 ml/min
4/18/2023 7:27 PM	25:00	4.76 pH	20.49 °C	40.53 µS/cm	5.63 mg/L	0.21 NTU	147.1 mV	18.81 ft	400.00 ml/min
4/18/2023 7:32 PM	30:00	4.76 pH	20.48 °C	40.35 µS/cm	5.72 mg/L	0.26 NTU	146.2 mV	18.81 ft	400.00 ml/min
4/18/2023 7:37 PM	35:00	4.75 pH	20.47 °C	40.29 µS/cm	5.78 mg/L	0.26 NTU	151.5 mV	18.81 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-9	Sample time 1940
EB-01	Sample time 1215

FB-01

Sample time 1158

Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 4/18/2023 3:24:54 PM

Project: Daniel GSA CCR MW-10

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-10</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 46.4 ft Total Depth: 56.4 ft Initial Depth to Water: 20.19 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 51.4 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 852546
---	--	---

## Test Notes:

## Weather Conditions:

P/C 76

## 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	
4/18/2023 3:24 PM	00:00	5.28 pH	24.24 °C	36.17 µS/cm	7.90 mg/L		147.9 mV	20.27 ft	400.00 ml/min
4/18/2023 3:29 PM	05:00	4.79 pH	21.19 °C	34.88 µS/cm	7.20 mg/L	4.31 NTU	139.9 mV	20.19 ft	400.00 ml/min
4/18/2023 3:34 PM	10:00	4.82 pH	21.19 °C	34.69 µS/cm	7.20 mg/L	3.50 NTU	137.6 mV	20.19 ft	400.00 ml/min
4/18/2023 3:39 PM	15:00	4.84 pH	21.32 °C	35.07 µS/cm	7.19 mg/L	2.01 NTU	141.5 mV	20.19 ft	400.00 ml/min
4/18/2023 3:44 PM	20:00	4.84 pH	21.33 °C	35.48 µS/cm	7.17 mg/L	1.03 NTU	135.5 mV	20.19 ft	400.00 ml/min
4/18/2023 3:49 PM	25:00	4.84 pH	21.19 °C	35.93 µS/cm	7.28 mg/L	0.71 NTU	134.7 mV	20.19 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-10	Sample time 1552
Dup-02	Fake sample time 1452

**2nd**  
**Semi-Annual**  
**Monitoring Event**

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 11/14/2023 4:45:16 PM

**JOB DESCRIPTION**

Plant Daniel GSA CCR

**JOB NUMBER**

180-164552-1

# Eurofins Pittsburgh

## 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



Generated  
11/14/2023 4:45:16 PM

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





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# Case Narrative

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

Job ID: 180-164552-1

**Job ID: 180-164552-1**

**Laboratory: Eurofins Pittsburgh**

## Narrative

### Job Narrative 180-164552-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 10/28/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.0°C, 3.8°C, 3.9°C, 4.1°C and 4.9°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

Method 2540C\_Calcd: The sample did not reach a stable weight following 3 cycles of heating, cooling, and desiccation. The cycle 3 weight was used to calculate the Total Dissolved Solids (TDS) for the sample result. MW-2 (180-164552-2), MW-4 (180-164552-4), MW-6 (180-164552-6) and MW-9 (180-164552-9)

Method 2540C\_Calcd: Reanalysis of the following sample(s) was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW-1 (180-164552-1), MW-3 (180-164552-3), MW-7 (180-164552-7) and MW-8 (180-164552-8)

Method 2540C\_Calcd: The sample duplicate precision for the following sample associated with analytical batch 180-451525 was outside control limits: MW-1 (180-164552-1). The associated Laboratory Control Sample (LCS) precision met acceptance criteria.

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: Plant Daniel GSA CCR

Job ID: 180-164552-1

## 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.

### General Chemistry

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 GSA CCR

Job ID: 180-164552-1

## 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	19-033-0	06-27-24
California	State	2891	04-30-24
Connecticut	State	PH-0688	09-30-24
Florida	NELAP	E871008	06-30-24
Georgia	State	PA 02-00416	04-30-24
Illinois	NELAP	004375	06-30-24
Kansas	NELAP	E-10350	01-31-24
Kentucky (UST)	State	162013	04-30-23 *
Kentucky (WW)	State	KY98043	12-31-23
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-24
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-23
New Hampshire	NELAP	2030	04-04-24
New Jersey	NELAP	PA005	06-30-24
New York	NELAP	11182	04-01-24
North Carolina (WW/SW)	State	434	12-31-23
North Dakota	State	R-227	04-30-24
Oregon	NELAP	PA-2151	02-06-24
Pennsylvania	NELAP	02-00416	04-30-24
Rhode Island	State	LAO00362	12-31-22 *
South Carolina	State	89014	04-30-23 *
Texas	NELAP	T104704528	03-31-24
US Fish & Wildlife	US Federal Programs	058448	03-31-24
USDA	US Federal Programs	P330-16-00211	04-11-26
Utah	NELAP	PA001462019-8	05-31-24
Virginia	NELAP	10043	07-14-24
West Virginia DEP	State	142	01-31-24
Wisconsin	State	998027800	08-31-24

## 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	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas DEQ	State	19-015-0	02-01-24
California	State	2939	06-30-24
Florida	NELAP	E87052	11-09-23
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Guam	State	19-007R	04-17-24
Hawaii	State	<cert No.>	06-30-24
Illinois	NELAP	200022	11-30-23
Indiana	State	C-GA-02	06-30-24
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24

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

Eurofins Pittsburgh

# Accreditation/Certification Summary

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

Job ID: 180-164552-1

## 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
Louisiana (DW)	State	LA009	12-31-23
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-23
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-24
North Carolina (WW/SW)	State	269	12-31-23
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-24
South Carolina	State	98001	06-30-24
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185	11-30-23
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-24



# Sample Summary

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

Job ID: 180-164552-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164552-1	MW-1	Water	10/26/23 11:13	10/28/23 09:45
180-164552-2	MW-2	Water	10/26/23 14:40	10/28/23 09:45
180-164552-3	MW-3	Water	10/26/23 10:55	10/28/23 09:45
180-164552-4	MW-4	Water	10/26/23 14:35	10/28/23 09:45
180-164552-5	MW-5	Water	10/26/23 10:02	10/28/23 09:45
180-164552-6	MW-6	Water	10/26/23 12:50	10/28/23 09:45
180-164552-7	MW-7	Water	10/26/23 09:30	10/28/23 09:45
180-164552-8	MW-8	Water	10/27/23 10:31	10/28/23 09:45
180-164552-9	MW-9	Water	10/27/23 12:24	10/28/23 09:45
180-164552-10	MW-10	Water	10/26/23 12:21	10/28/23 09:45
180-164552-11	DUP-03	Water	10/26/23 09:55	10/28/23 09:45
180-164552-12	DUP-05	Water	10/27/23 09:31	10/28/23 09:45
180-164552-13	EB-02	Water	10/27/23 08:48	10/28/23 09:45
180-164552-14	FB-02	Water	10/27/23 08:38	10/28/23 09:45



# Method Summary

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

Job ID: 180-164552-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
6020B	Metals (ICP/MS)	SW846	EET SAV
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
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
7470A	Preparation, Mercury	SW846	EET PIT

#### 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 GSA CCR

Job ID: 180-164552-1

## Client Sample ID: MW-1

## Lab Sample ID: 180-164552-1

Date Collected: 10/26/23 11:13

Matrix: Water

Date Received: 10/28/23 09:45

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	450512	10/30/23 18:55	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 11:47	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:25	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:10	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	451525	11/09/23 17:46	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 12:13	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-2

## Lab Sample ID: 180-164552-2

Date Collected: 10/26/23 14:40

Matrix: Water

Date Received: 10/28/23 09:45

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	450512	10/30/23 19:09	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 11:51	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:28	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:13	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 15:40	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-3

## Lab Sample ID: 180-164552-3

Date Collected: 10/26/23 10:55

Matrix: Water

Date Received: 10/28/23 09:45

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	450512	10/30/23 19:24	AM	EET PIT
Instrument ID: CHICS2100B										

Eurofins Pittsburgh



# Lab Chronicle

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

Job ID: 180-164552-1

## Client Sample ID: MW-3

## Lab Sample ID: 180-164552-3

Date Collected: 10/26/23 10:55

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 11:55	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:31	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:14	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	451525	11/09/23 17:46	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 11:55	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-4

## Lab Sample ID: 180-164552-4

Date Collected: 10/26/23 14:35

Matrix: Water

Date Received: 10/28/23 09:45

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	450512	10/30/23 19:39	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 11:59	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:34	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:16	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 15:35	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-5

## Lab Sample ID: 180-164552-5

Date Collected: 10/26/23 10:02

Matrix: Water

Date Received: 10/28/23 09:45

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	450512	10/30/23 19:54	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:11	BWR	EET SAV
Instrument ID: ICPMSC										

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# Lab Chronicle

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

Job ID: 180-164552-1

## Client Sample ID: MW-5

## Lab Sample ID: 180-164552-5

Date Collected: 10/26/23 10:02

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:43	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:17	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 11:02	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-6

## Lab Sample ID: 180-164552-6

Date Collected: 10/26/23 12:50

Matrix: Water

Date Received: 10/28/23 09:45

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	450512	10/30/23 20:09	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:15	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:46	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:18	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 13:50	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-7

## Lab Sample ID: 180-164552-7

Date Collected: 10/26/23 09:30

Matrix: Water

Date Received: 10/28/23 09:45

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	450512	10/30/23 20:53	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:44	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 02:07	BWR	EET SAV
Instrument ID: ICPMSD										

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# Lab Chronicle

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

Job ID: 180-164552-1

**Client Sample ID: MW-7**

**Lab Sample ID: 180-164552-7**

**Date Collected: 10/26/23 09:30**

**Matrix: Water**

**Date Received: 10/28/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:22	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	451525	11/09/23 17:46	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 10:30	FDS	EET PIT
Instrument ID: NOEQUIP										

**Client Sample ID: MW-8**

**Lab Sample ID: 180-164552-8**

**Date Collected: 10/27/23 10:31**

**Matrix: Water**

**Date Received: 10/28/23 09:45**

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	450512	10/30/23 21:08	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:19	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:49	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:23	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	451525	11/09/23 17:46	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/27/23 11:31	FDS	EET PIT
Instrument ID: NOEQUIP										

**Client Sample ID: MW-9**

**Lab Sample ID: 180-164552-9**

**Date Collected: 10/27/23 12:24**

**Matrix: Water**

**Date Received: 10/28/23 09:45**

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	450512	10/30/23 21:22	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:23	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:52	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:24	MTW	EET PIT
Instrument ID: HGZ										

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# Lab Chronicle

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

Job ID: 180-164552-1

## Client Sample ID: MW-9

Date Collected: 10/27/23 12:24

Date Received: 10/28/23 09:45

## Lab Sample ID: 180-164552-9

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	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Total/NA	Analysis	Field Sampling		1			451750	10/27/23 13:24	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: MW-10

Date Collected: 10/26/23 12:21

Date Received: 10/28/23 09:45

## Lab Sample ID: 180-164552-10

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	450512	10/30/23 21:37	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:27	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:55	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:25	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			451750	10/26/23 13:21	FDS	EET PIT
Instrument ID: NOEQUIP										

## Client Sample ID: DUP-03

Date Collected: 10/26/23 09:55

Date Received: 10/28/23 09:45

## Lab Sample ID: 180-164552-11

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	450512	10/30/23 21:52	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:31	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 01:58	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:26	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										

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# Lab Chronicle

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

Job ID: 180-164552-1

**Client Sample ID: DUP-05**  
**Date Collected: 10/27/23 09:31**  
**Date Received: 10/28/23 09:45**

**Lab Sample ID: 180-164552-12**  
**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	450511	10/30/23 18:29	AM	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:36	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 02:01	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:27	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										

**Client Sample ID: EB-02**  
**Date Collected: 10/27/23 08:48**  
**Date Received: 10/28/23 09:45**

**Lab Sample ID: 180-164552-13**  
**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	450511	10/30/23 19:42	AM	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806097	11/02/23 12:40	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805666	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/02/23 02:04	BWR	EET SAV
Instrument ID: ICPMSD										
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:28	MTW	EET PIT
Instrument ID: HGZ										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	EET PIT
Instrument ID: NOEQUIP										

**Client Sample ID: FB-02**  
**Date Collected: 10/27/23 08:38**  
**Date Received: 10/28/23 09:45**

**Lab Sample ID: 180-164552-14**  
**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	450512	10/30/23 22:36	AM	EET PIT
Instrument ID: CHICS2100B										
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806228	11/02/23 15:27	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	805667	11/01/23 05:41	RR	EET SAV
Total Recoverable	Analysis	6020B		1			806015	11/01/23 20:25	BWR	EET SAV
Instrument ID: ICPMSD										

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# Lab Chronicle

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

Job ID: 180-164552-1

**Client Sample ID: FB-02**

**Lab Sample ID: 180-164552-14**

**Date Collected: 10/27/23 08:38**

**Matrix: Water**

**Date Received: 10/28/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	450621	10/31/23 11:30	MTW	EET PIT
Total/NA	Analysis	EPA 7470A		1			450760	11/01/23 12:29	MTW	EET PIT
		Instrument ID: HGZ								
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	450863	11/02/23 13:23	LWM	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: Prep

MTW = Michael Wesoloski

Batch Type: Analysis

AM = Adzaira Musule

FDS = Sampler Field

LWM = Leslie McIntire

MTW = Michael Wesoloski

Lab: EET SAV

Batch Type: Prep

RR = Robert Rancourt

Batch Type: Analysis

BWR = Bryn Robertson

# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: MW-1**

**Lab Sample ID: 180-164552-1**

Date Collected: 10/26/23 11:13

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.82		1.00	0.713	mg/L			10/30/23 18:55	1
Fluoride	0.0601	J	0.100	0.0260	mg/L			10/30/23 18:55	1
Sulfate	9.32		1.00	0.756	mg/L			10/30/23 18:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:25	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 11:47	1
Barium	0.0783		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:25	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:25	1
Boron	0.110		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 01:25	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:25	1
Calcium	2.49		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:25	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:25	1
Cobalt	0.000700		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:25	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:25	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 11:47	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:25	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:25	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:25	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	31.0	H	10.0	10.0	mg/L			11/09/23 17:46	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.05				SU			10/26/23 12:13	1

**Client Sample ID: MW-2**

**Lab Sample ID: 180-164552-2**

Date Collected: 10/26/23 14:40

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.66		1.00	0.713	mg/L			10/30/23 19:09	1
Fluoride	0.0679	J	0.100	0.0260	mg/L			10/30/23 19:09	1
Sulfate	1.05		1.00	0.756	mg/L			10/30/23 19:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:28	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:28	1
Barium	0.0547		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:28	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:28	1
Boron	0.0521	J	0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 01:28	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:28	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: MW-2**

**Lab Sample ID: 180-164552-2**

Date Collected: 10/26/23 14:40

Matrix: Water

Date Received: 10/28/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1.02		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:28	1
Chromium	0.00125	J	0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:28	1
Cobalt	0.000865		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:28	1
Lead	0.000225	J	0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:28	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 11:51	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:28	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:28	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:28	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	15.0		10.0	10.0	mg/L			11/02/23 13:23	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.96				SU			10/26/23 15:40	1

**Client Sample ID: MW-3**

**Lab Sample ID: 180-164552-3**

Date Collected: 10/26/23 10:55

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.28		1.00	0.713	mg/L			10/30/23 19:24	1
Fluoride	0.0891	J	0.100	0.0260	mg/L			10/30/23 19:24	1
Sulfate	1.97		1.00	0.756	mg/L			10/30/23 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:31	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:31	1
Barium	0.0920		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:31	1
Beryllium	0.000210	J	0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:31	1
Boron	0.0424	J	0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 01:31	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:31	1
Calcium	1.84		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:31	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:31	1
Cobalt	0.00158		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:31	1
Lead	0.000545	J	0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:31	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 11:55	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:31	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:31	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:31	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:14	1

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# Client Sample Results

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

Job ID: 180-164552-1

## Client Sample ID: MW-3

Date Collected: 10/26/23 10:55

Date Received: 10/28/23 09:45

## Lab Sample ID: 180-164552-3

Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	29.0	H	10.0	10.0	mg/L			11/09/23 17:46	1

### Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.44				SU			10/26/23 11:55	1

## Client Sample ID: MW-4

Date Collected: 10/26/23 14:35

Date Received: 10/28/23 09:45

## Lab Sample ID: 180-164552-4

Matrix: Water

### Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.91		1.00	0.713	mg/L			10/30/23 19:39	1
Fluoride	0.0792	J	0.100	0.0260	mg/L			10/30/23 19:39	1
Sulfate	3.13		1.00	0.756	mg/L			10/30/23 19:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:34	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:34	1
Barium	0.0461		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:34	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:34	1
Boron	0.0285	J	0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 01:34	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:34	1
Calcium	1.13		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:34	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:34	1
Cobalt	0.00133		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:34	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:34	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 11:59	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:34	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:34	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:34	1

### Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:16	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			11/02/23 13:23	1

### Method: EPA Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.67				SU			10/26/23 15:35	1

## Client Sample ID: MW-5

Date Collected: 10/26/23 10:02

Date Received: 10/28/23 09:45

## Lab Sample ID: 180-164552-5

Matrix: Water

### Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.94		1.00	0.713	mg/L			10/30/23 19:54	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: MW-5**  
Date Collected: 10/26/23 10:02  
Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-5**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.0942	J	0.100	0.0260	mg/L			10/30/23 19:54	1
Sulfate	7.15		1.00	0.756	mg/L			10/30/23 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:43	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:43	1
Barium	0.0612		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:43	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:43	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:11	1
Cadmium	0.000185	J	0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:43	1
Calcium	1.91		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:43	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:43	1
Cobalt	0.00311		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:43	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:43	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:11	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:43	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:43	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:43	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:17	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			11/02/23 13:23	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.96				SU			10/26/23 11:02	1

**Client Sample ID: MW-6**  
Date Collected: 10/26/23 12:50  
Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-6**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.75		1.00	0.713	mg/L			10/30/23 20:09	1
Fluoride	0.0840	J	0.100	0.0260	mg/L			10/30/23 20:09	1
Sulfate	1.95		1.00	0.756	mg/L			10/30/23 20:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:46	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:46	1
Barium	0.0491		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:46	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:46	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:15	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:46	1
Calcium	0.754		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:46	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: MW-6**

**Lab Sample ID: 180-164552-6**

Date Collected: 10/26/23 12:50

Matrix: Water

Date Received: 10/28/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:46	1
<b>Cobalt</b>	<b>0.00237</b>		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:46	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:46	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:15	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:46	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:46	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:46	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.000149</b>	<b>J</b>	0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>12.0</b>		10.0	10.0	mg/L			11/02/23 13:23	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>4.65</b>				SU			10/26/23 13:50	1

**Client Sample ID: MW-7**

**Lab Sample ID: 180-164552-7**

Date Collected: 10/26/23 09:30

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>7.22</b>		1.00	0.713	mg/L			10/30/23 20:53	1
<b>Fluoride</b>	<b>0.0398</b>	<b>J</b>	0.100	0.0260	mg/L			10/30/23 20:53	1
Sulfate	<0.756		1.00	0.756	mg/L			10/30/23 20:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 02:07	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 02:07	1
<b>Barium</b>	<b>0.193</b>		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 02:07	1
<b>Beryllium</b>	<b>0.000345</b>	<b>J</b>	0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 02:07	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:44	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 02:07	1
<b>Calcium</b>	<b>2.53</b>		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 02:07	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 02:07	1
<b>Cobalt</b>	<b>0.00241</b>		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 02:07	1
<b>Lead</b>	<b>0.000215</b>	<b>J</b>	0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 02:07	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:44	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 02:07	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 02:07	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 02:07	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>&lt;0.000130</b>		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:22	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: MW-7**  
Date Collected: 10/26/23 09:30  
Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-7**  
Matrix: Water

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	36.0	H	10.0	10.0	mg/L			11/09/23 17:46	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.39				SU			10/26/23 10:30	1

**Client Sample ID: MW-8**  
Date Collected: 10/27/23 10:31  
Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-8**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.18		1.00	0.713	mg/L			10/30/23 21:08	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/30/23 21:08	1
Sulfate	2.55		1.00	0.756	mg/L			10/30/23 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:49	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:49	1
Barium	0.0679		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:49	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:49	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:19	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:49	1
Calcium	1.55		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:49	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:49	1
Cobalt	0.000670		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:49	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:49	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:19	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:49	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:49	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:49	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	19.0	H	10.0	10.0	mg/L			11/09/23 17:46	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.73				SU			10/27/23 11:31	1

**Client Sample ID: MW-9**  
Date Collected: 10/27/23 12:24  
Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-9**  
Matrix: Water

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.39		1.00	0.713	mg/L			10/30/23 21:22	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: MW-9**

**Lab Sample ID: 180-164552-9**

Date Collected: 10/27/23 12:24

Matrix: Water

Date Received: 10/28/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.0267	J	0.100	0.0260	mg/L			10/30/23 21:22	1
Sulfate	3.34		1.00	0.756	mg/L			10/30/23 21:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:52	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:52	1
Barium	0.0518		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:52	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:52	1
Boron	0.0251	J	0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:23	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:52	1
Calcium	0.965		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:52	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:52	1
Cobalt	0.000945		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:52	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:52	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:23	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:52	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:52	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:52	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:24	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			11/02/23 13:23	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	4.91				SU			10/27/23 13:24	1

**Client Sample ID: MW-10**

**Lab Sample ID: 180-164552-10**

Date Collected: 10/26/23 12:21

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.14		1.00	0.713	mg/L			10/30/23 21:37	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/30/23 21:37	1
Sulfate	4.98		1.00	0.756	mg/L			10/30/23 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:55	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:55	1
Barium	0.0155		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:55	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:55	1
Boron	0.0372	J	0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:27	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:55	1
Calcium	0.491	J	0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:55	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: MW-10**

**Lab Sample ID: 180-164552-10**

Date Collected: 10/26/23 12:21

Matrix: Water

Date Received: 10/28/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:55	1
<b>Cobalt</b>	<b>0.000470</b>	<b>J</b>	0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:55	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:55	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:27	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:55	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:55	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:55	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C)</b>	<b>23.0</b>		10.0	10.0	mg/L			11/02/23 13:23	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.35</b>				SU			10/26/23 13:21	1

**Client Sample ID: DUP-03**

**Lab Sample ID: 180-164552-11**

Date Collected: 10/26/23 09:55

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 EPA 9056A - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>10.0</b>		1.00	0.713	mg/L			10/30/23 21:52	1
<b>Fluoride</b>	<b>0.0386</b>	<b>J</b>	0.100	0.0260	mg/L			10/30/23 21:52	1
<b>Sulfate</b>	<b>1.98</b>		1.00	0.756	mg/L			10/30/23 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:58	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:58	1
<b>Barium</b>	<b>0.0924</b>		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:58	1
<b>Beryllium</b>	<b>0.000245</b>	<b>J</b>	0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:58	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:31	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:58	1
<b>Calcium</b>	<b>1.92</b>		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:58	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:58	1
<b>Cobalt</b>	<b>0.00160</b>		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:58	1
<b>Lead</b>	<b>0.000515</b>	<b>J</b>	0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:58	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:31	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:58	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:58	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:58	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:26	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: DUP-03**

Date Collected: 10/26/23 09:55

Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-11**

Matrix: Water

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	26.0		10.0	10.0	mg/L			11/02/23 13:23	1

**Client Sample ID: DUP-05**

Date Collected: 10/27/23 09:31

Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-12**

Matrix: Water

### Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.37		1.00	0.713	mg/L			10/30/23 18:29	1
Fluoride	0.0476	J	0.100	0.0260	mg/L			10/30/23 18:29	1
Sulfate	2.40		1.00	0.756	mg/L			10/30/23 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 02:01	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 02:01	1
Barium	0.0686		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 02:01	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 02:01	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:36	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 02:01	1
Calcium	1.57		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 02:01	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 02:01	1
Cobalt	0.000685		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 02:01	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 02:01	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:36	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 02:01	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 02:01	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 02:01	1

### Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:27	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			11/02/23 13:23	1

**Client Sample ID: EB-02**

Date Collected: 10/27/23 08:48

Date Received: 10/28/23 09:45

**Lab Sample ID: 180-164552-13**

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			10/30/23 19:42	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/30/23 19:42	1
Sulfate	<0.756		1.00	0.756	mg/L			10/30/23 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 02:04	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 02:04	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: EB-02**

**Lab Sample ID: 180-164552-13**

Date Collected: 10/27/23 08:48

Matrix: Water

Date Received: 10/28/23 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.000890		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 02:04	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 02:04	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 12:40	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 02:04	1
Calcium	<0.140		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 02:04	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 02:04	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 02:04	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 02:04	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 12:40	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 02:04	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 02:04	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 02:04	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:28	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			11/02/23 13:23	1

**Client Sample ID: FB-02**

**Lab Sample ID: 180-164552-14**

Date Collected: 10/27/23 08:38

Matrix: Water

Date Received: 10/28/23 09:45

**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			10/30/23 22:36	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/30/23 22:36	1
Sulfate	<0.756		1.00	0.756	mg/L			10/30/23 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/01/23 20:25	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/01/23 20:25	1
Barium	<0.000890		0.0100	0.000890	mg/L		11/01/23 05:41	11/01/23 20:25	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/01/23 20:25	1
<b>Boron</b>	<b>0.0251</b>	<b>J</b>	0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 15:27	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/01/23 20:25	1
<b>Calcium</b>	<b>0.185</b>	<b>J</b>	0.500	0.140	mg/L		11/01/23 05:41	11/01/23 20:25	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/01/23 20:25	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		11/01/23 05:41	11/01/23 20:25	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/01/23 20:25	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 15:27	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/01/23 20:25	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/01/23 20:25	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/01/23 20:25	1

**Method: SW846 EPA 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:29	1

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# Client Sample Results

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

Job ID: 180-164552-1

**Client Sample ID: FB-02**

**Lab Sample ID: 180-164552-14**

**Date Collected: 10/27/23 08:38**

**Matrix: Water**

**Date Received: 10/28/23 09:45**

## 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			11/02/23 13:23	1

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

# QC Sample Results

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

Job ID: 180-164552-1

## Method: EPA 9056A - Anions, Ion Chromatography

**Lab Sample ID: MB 180-450511/15**  
**Matrix: Water**  
**Analysis Batch: 450511**

**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			10/30/23 16:30	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/30/23 16:30	1
Sulfate	<0.756		1.00	0.756	mg/L			10/30/23 16:30	1

**Lab Sample ID: LCS 180-450511/16**  
**Matrix: Water**  
**Analysis Batch: 450511**

**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	51.50		mg/L		103	80 - 120
Fluoride	2.50	2.692		mg/L		108	80 - 120
Sulfate	50.0	51.68		mg/L		103	80 - 120

**Lab Sample ID: 180-164552-12 MS**  
**Matrix: Water**  
**Analysis Batch: 450511**

**Client Sample ID: DUP-05**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.37		50.0	57.15		mg/L		104	80 - 120
Fluoride	0.0476	J	2.50	2.711		mg/L		107	80 - 120
Sulfate	2.40		50.0	54.50		mg/L		104	80 - 120

**Lab Sample ID: 180-164552-12 MSD**  
**Matrix: Water**  
**Analysis Batch: 450511**

**Client Sample ID: DUP-05**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5.37		50.0	53.45		mg/L		96	80 - 120	7	15
Fluoride	0.0476	J	2.50	2.558		mg/L		100	80 - 120	6	15
Sulfate	2.40		50.0	50.34		mg/L		96	80 - 120	8	15

**Lab Sample ID: MB 180-450512/8**  
**Matrix: Water**  
**Analysis Batch: 450512**

**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			10/30/23 12:19	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/30/23 12:19	1
Sulfate	<0.756		1.00	0.756	mg/L			10/30/23 12:19	1

**Lab Sample ID: LCS 180-450512/9**  
**Matrix: Water**  
**Analysis Batch: 450512**

**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	47.72		mg/L		95	80 - 120
Fluoride	2.50	2.541		mg/L		102	80 - 120
Sulfate	50.0	48.24		mg/L		96	80 - 120

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# QC Sample Results

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

Job ID: 180-164552-1

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

**Lab Sample ID: 180-164552-11 MS**  
**Matrix: Water**  
**Analysis Batch: 450512**

**Client Sample ID: DUP-03**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0		50.0	65.71		mg/L		111	80 - 120
Fluoride	0.0386	J	2.50	3.046		mg/L		120	80 - 120
Sulfate	1.98		50.0	59.28		mg/L		115	80 - 120

**Lab Sample ID: 180-164552-11 MSD**  
**Matrix: Water**  
**Analysis Batch: 450512**

**Client Sample ID: DUP-03**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0		50.0	59.40		mg/L		99	80 - 120	10	15
Fluoride	0.0386	J	2.50	2.748		mg/L		108	80 - 120	10	15
Sulfate	1.98		50.0	53.43		mg/L		103	80 - 120	10	15

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 680-805666/1-A**  
**Matrix: Water**  
**Analysis Batch: 806015**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805666**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/02/23 01:09	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/02/23 01:09	1
Barium	<0.000890		0.0100	0.000890	mg/L		11/01/23 05:41	11/02/23 01:09	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/02/23 01:09	1
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 01:09	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/02/23 01:09	1
Calcium	<0.140		0.500	0.140	mg/L		11/01/23 05:41	11/02/23 01:09	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/02/23 01:09	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		11/01/23 05:41	11/02/23 01:09	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/02/23 01:09	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/02/23 01:09	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/02/23 01:09	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/02/23 01:09	1

**Lab Sample ID: MB 680-805666/1-A**  
**Matrix: Water**  
**Analysis Batch: 806097**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805666**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 11:23	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 11:23	1

**Lab Sample ID: LCS 680-805666/2-A**  
**Matrix: Water**  
**Analysis Batch: 806015**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805666**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.05038		mg/L		101	80 - 120
Arsenic	0.100	0.09688		mg/L		97	80 - 120
Barium	0.100	0.1006		mg/L		101	80 - 120

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# QC Sample Results

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

Job ID: 180-164552-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 680-805666/2-A**  
**Matrix: Water**  
**Analysis Batch: 806015**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805666**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.0500	0.05240		mg/L		105	80 - 120
Boron	0.400	0.4099		mg/L		102	80 - 120
Cadmium	0.0500	0.04993		mg/L		100	80 - 120
Calcium	5.00	5.024		mg/L		100	80 - 120
Chromium	0.100	0.1026		mg/L		102	80 - 120
Cobalt	0.0500	0.05037		mg/L		101	80 - 120
Lead	0.500	0.5044		mg/L		101	80 - 120
Molybdenum	0.100	0.1063		mg/L		106	80 - 120
Selenium	0.100	0.1071		mg/L		107	80 - 120
Thallium	0.0500	0.04998		mg/L		100	80 - 120

**Lab Sample ID: LCS 680-805666/2-A**  
**Matrix: Water**  
**Analysis Batch: 806097**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805666**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.400	0.4058		mg/L		101	80 - 120
Lithium	0.500	0.4964		mg/L		99	80 - 120

**Lab Sample ID: MB 680-805667/1-A**  
**Matrix: Water**  
**Analysis Batch: 806015**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805667**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000340		0.00200	0.000340	mg/L		11/01/23 05:41	11/01/23 19:42	1
Arsenic	<0.000860		0.00100	0.000860	mg/L		11/01/23 05:41	11/01/23 19:42	1
Barium	<0.000890		0.0100	0.000890	mg/L		11/01/23 05:41	11/01/23 19:42	1
Beryllium	<0.000200		0.00100	0.000200	mg/L		11/01/23 05:41	11/01/23 19:42	1
Cadmium	<0.0000780		0.00100	0.0000780	mg/L		11/01/23 05:41	11/01/23 19:42	1
Calcium	<0.140		0.500	0.140	mg/L		11/01/23 05:41	11/01/23 19:42	1
Chromium	<0.00120		0.00200	0.00120	mg/L		11/01/23 05:41	11/01/23 19:42	1
Cobalt	<0.000220		0.000500	0.000220	mg/L		11/01/23 05:41	11/01/23 19:42	1
Lead	<0.000210		0.00100	0.000210	mg/L		11/01/23 05:41	11/01/23 19:42	1
Molybdenum	<0.000860		0.00500	0.000860	mg/L		11/01/23 05:41	11/01/23 19:42	1
Selenium	<0.000990		0.00500	0.000990	mg/L		11/01/23 05:41	11/01/23 19:42	1
Thallium	<0.000260		0.00100	0.000260	mg/L		11/01/23 05:41	11/01/23 19:42	1

**Lab Sample ID: MB 680-805667/1-A**  
**Matrix: Water**  
**Analysis Batch: 806228**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805667**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.0220		0.0800	0.0220	mg/L		11/01/23 05:41	11/02/23 14:58	1
Lithium	<0.00200		0.00500	0.00200	mg/L		11/01/23 05:41	11/02/23 14:58	1

# QC Sample Results

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

Job ID: 180-164552-1

## Method: 6020B - Metals (ICP/MS) (Continued)

**Lab Sample ID: LCS 680-805667/2-A**  
**Matrix: Water**  
**Analysis Batch: 806015**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805667**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Antimony	0.0500	0.04823		mg/L		96	80 - 120	
Arsenic	0.100	0.09521		mg/L		95	80 - 120	
Barium	0.100	0.09676		mg/L		97	80 - 120	
Beryllium	0.0500	0.04834		mg/L		97	80 - 120	
Cadmium	0.0500	0.04855		mg/L		97	80 - 120	
Calcium	5.00	4.881		mg/L		98	80 - 120	
Chromium	0.100	0.09969		mg/L		99	80 - 120	
Cobalt	0.0500	0.04928		mg/L		99	80 - 120	
Lead	0.500	0.4929		mg/L		99	80 - 120	
Molybdenum	0.100	0.1037		mg/L		104	80 - 120	
Selenium	0.100	0.1062		mg/L		106	80 - 120	
Thallium	0.0500	0.04931		mg/L		99	80 - 120	

**Lab Sample ID: LCS 680-805667/2-A**  
**Matrix: Water**  
**Analysis Batch: 806228**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 805667**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Boron	0.400	0.3638		mg/L		91	80 - 120	
Lithium	0.500	0.4828		mg/L		97	80 - 120	

## Method: EPA 7470A - Mercury (CVAA)

**Lab Sample ID: MB 180-450621/1-A**  
**Matrix: Water**  
**Analysis Batch: 450760**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 450621**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.000130		0.000200	0.000130	mg/L		10/31/23 11:30	11/01/23 12:08	1

**Lab Sample ID: LCS 180-450621/2-A**  
**Matrix: Water**  
**Analysis Batch: 450760**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 450621**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Mercury	0.00250	0.002470		mg/L		99	80 - 120	

**Lab Sample ID: 180-164552-1 MS**  
**Matrix: Water**  
**Analysis Batch: 450760**

**Client Sample ID: MW-1**  
**Prep Type: Total/NA**  
**Prep Batch: 450621**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	
Mercury	<0.000130		0.00100	0.0009980		mg/L		100	75 - 125	

**Lab Sample ID: 180-164552-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 450760**

**Client Sample ID: MW-1**  
**Prep Type: Total/NA**  
**Prep Batch: 450621**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD
											Limit
Mercury	<0.000130		0.00100	0.001016		mg/L		102	75 - 125	2	20

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# QC Sample Results

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

Job ID: 180-164552-1

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

**Lab Sample ID: MB 180-450863/1**  
**Matrix: Water**  
**Analysis Batch: 450863**

**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			11/02/23 13:23	1

**Lab Sample ID: LCS 180-450863/2**  
**Matrix: Water**  
**Analysis Batch: 450863**

**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	336	298.0		mg/L		89	85 - 115

**Lab Sample ID: 180-164552-10 DU**  
**Matrix: Water**  
**Analysis Batch: 450863**

**Client Sample ID: MW-10**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	23.0		23.00		mg/L		0	10

**Lab Sample ID: MB 180-451525/1**  
**Matrix: Water**  
**Analysis Batch: 451525**

**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			11/09/23 17:46	1

**Lab Sample ID: LCS 180-451525/2**  
**Matrix: Water**  
**Analysis Batch: 451525**

**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	336	308.0		mg/L		92	85 - 115

**Lab Sample ID: 180-164552-1 DU**  
**Matrix: Water**  
**Analysis Batch: 451525**

**Client Sample ID: MW-1**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	31.0	H	26.00	F5	mg/L		18	10

# QC Association Summary

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

Job ID: 180-164552-1

## HPLC/IC

### Analysis Batch: 450511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-12	DUP-05	Total/NA	Water	EPA 9056A	
180-164552-13	EB-02	Total/NA	Water	EPA 9056A	
MB 180-450511/15	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-450511/16	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-164552-12 MS	DUP-05	Total/NA	Water	EPA 9056A	
180-164552-12 MSD	DUP-05	Total/NA	Water	EPA 9056A	

### Analysis Batch: 450512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total/NA	Water	EPA 9056A	
180-164552-2	MW-2	Total/NA	Water	EPA 9056A	
180-164552-3	MW-3	Total/NA	Water	EPA 9056A	
180-164552-4	MW-4	Total/NA	Water	EPA 9056A	
180-164552-5	MW-5	Total/NA	Water	EPA 9056A	
180-164552-6	MW-6	Total/NA	Water	EPA 9056A	
180-164552-7	MW-7	Total/NA	Water	EPA 9056A	
180-164552-8	MW-8	Total/NA	Water	EPA 9056A	
180-164552-9	MW-9	Total/NA	Water	EPA 9056A	
180-164552-10	MW-10	Total/NA	Water	EPA 9056A	
180-164552-11	DUP-03	Total/NA	Water	EPA 9056A	
180-164552-14	FB-02	Total/NA	Water	EPA 9056A	
MB 180-450512/8	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-450512/9	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-164552-11 MS	DUP-03	Total/NA	Water	EPA 9056A	
180-164552-11 MSD	DUP-03	Total/NA	Water	EPA 9056A	

## Metals

### Prep Batch: 450621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total/NA	Water	7470A	
180-164552-2	MW-2	Total/NA	Water	7470A	
180-164552-3	MW-3	Total/NA	Water	7470A	
180-164552-4	MW-4	Total/NA	Water	7470A	
180-164552-5	MW-5	Total/NA	Water	7470A	
180-164552-6	MW-6	Total/NA	Water	7470A	
180-164552-7	MW-7	Total/NA	Water	7470A	
180-164552-8	MW-8	Total/NA	Water	7470A	
180-164552-9	MW-9	Total/NA	Water	7470A	
180-164552-10	MW-10	Total/NA	Water	7470A	
180-164552-11	DUP-03	Total/NA	Water	7470A	
180-164552-12	DUP-05	Total/NA	Water	7470A	
180-164552-13	EB-02	Total/NA	Water	7470A	
180-164552-14	FB-02	Total/NA	Water	7470A	
MB 180-450621/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-450621/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-164552-1 MS	MW-1	Total/NA	Water	7470A	
180-164552-1 MSD	MW-1	Total/NA	Water	7470A	

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# QC Association Summary

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

Job ID: 180-164552-1

## Metals

### Analysis Batch: 450760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total/NA	Water	EPA 7470A	450621
180-164552-2	MW-2	Total/NA	Water	EPA 7470A	450621
180-164552-3	MW-3	Total/NA	Water	EPA 7470A	450621
180-164552-4	MW-4	Total/NA	Water	EPA 7470A	450621
180-164552-5	MW-5	Total/NA	Water	EPA 7470A	450621
180-164552-6	MW-6	Total/NA	Water	EPA 7470A	450621
180-164552-7	MW-7	Total/NA	Water	EPA 7470A	450621
180-164552-8	MW-8	Total/NA	Water	EPA 7470A	450621
180-164552-9	MW-9	Total/NA	Water	EPA 7470A	450621
180-164552-10	MW-10	Total/NA	Water	EPA 7470A	450621
180-164552-11	DUP-03	Total/NA	Water	EPA 7470A	450621
180-164552-12	DUP-05	Total/NA	Water	EPA 7470A	450621
180-164552-13	EB-02	Total/NA	Water	EPA 7470A	450621
180-164552-14	FB-02	Total/NA	Water	EPA 7470A	450621
MB 180-450621/1-A	Method Blank	Total/NA	Water	EPA 7470A	450621
LCS 180-450621/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	450621
180-164552-1 MS	MW-1	Total/NA	Water	EPA 7470A	450621
180-164552-1 MSD	MW-1	Total/NA	Water	EPA 7470A	450621

### Prep Batch: 805666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total Recoverable	Water	3005A	
180-164552-2	MW-2	Total Recoverable	Water	3005A	
180-164552-3	MW-3	Total Recoverable	Water	3005A	
180-164552-4	MW-4	Total Recoverable	Water	3005A	
180-164552-5	MW-5	Total Recoverable	Water	3005A	
180-164552-6	MW-6	Total Recoverable	Water	3005A	
180-164552-7	MW-7	Total Recoverable	Water	3005A	
180-164552-8	MW-8	Total Recoverable	Water	3005A	
180-164552-9	MW-9	Total Recoverable	Water	3005A	
180-164552-10	MW-10	Total Recoverable	Water	3005A	
180-164552-11	DUP-03	Total Recoverable	Water	3005A	
180-164552-12	DUP-05	Total Recoverable	Water	3005A	
180-164552-13	EB-02	Total Recoverable	Water	3005A	
MB 680-805666/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-805666/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Prep Batch: 805667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-14	FB-02	Total Recoverable	Water	3005A	
MB 680-805667/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-805667/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

### Analysis Batch: 806015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total Recoverable	Water	6020B	805666
180-164552-2	MW-2	Total Recoverable	Water	6020B	805666
180-164552-3	MW-3	Total Recoverable	Water	6020B	805666
180-164552-4	MW-4	Total Recoverable	Water	6020B	805666
180-164552-5	MW-5	Total Recoverable	Water	6020B	805666
180-164552-6	MW-6	Total Recoverable	Water	6020B	805666

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# QC Association Summary

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

Job ID: 180-164552-1

## Metals (Continued)

### Analysis Batch: 806015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-7	MW-7	Total Recoverable	Water	6020B	805666
180-164552-8	MW-8	Total Recoverable	Water	6020B	805666
180-164552-9	MW-9	Total Recoverable	Water	6020B	805666
180-164552-10	MW-10	Total Recoverable	Water	6020B	805666
180-164552-11	DUP-03	Total Recoverable	Water	6020B	805666
180-164552-12	DUP-05	Total Recoverable	Water	6020B	805666
180-164552-13	EB-02	Total Recoverable	Water	6020B	805666
180-164552-14	FB-02	Total Recoverable	Water	6020B	805667
MB 680-805666/1-A	Method Blank	Total Recoverable	Water	6020B	805666
MB 680-805667/1-A	Method Blank	Total Recoverable	Water	6020B	805667
LCS 680-805666/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805666
LCS 680-805667/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805667

### Analysis Batch: 806097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total Recoverable	Water	6020B	805666
180-164552-2	MW-2	Total Recoverable	Water	6020B	805666
180-164552-3	MW-3	Total Recoverable	Water	6020B	805666
180-164552-4	MW-4	Total Recoverable	Water	6020B	805666
180-164552-5	MW-5	Total Recoverable	Water	6020B	805666
180-164552-6	MW-6	Total Recoverable	Water	6020B	805666
180-164552-7	MW-7	Total Recoverable	Water	6020B	805666
180-164552-8	MW-8	Total Recoverable	Water	6020B	805666
180-164552-9	MW-9	Total Recoverable	Water	6020B	805666
180-164552-10	MW-10	Total Recoverable	Water	6020B	805666
180-164552-11	DUP-03	Total Recoverable	Water	6020B	805666
180-164552-12	DUP-05	Total Recoverable	Water	6020B	805666
180-164552-13	EB-02	Total Recoverable	Water	6020B	805666
MB 680-805666/1-A	Method Blank	Total Recoverable	Water	6020B	805666
LCS 680-805666/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805666

### Analysis Batch: 806228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-14	FB-02	Total Recoverable	Water	6020B	805667
MB 680-805667/1-A	Method Blank	Total Recoverable	Water	6020B	805667
LCS 680-805667/2-A	Lab Control Sample	Total Recoverable	Water	6020B	805667

## General Chemistry

### Analysis Batch: 450863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-2	MW-2	Total/NA	Water	SM 2540C	
180-164552-4	MW-4	Total/NA	Water	SM 2540C	
180-164552-5	MW-5	Total/NA	Water	SM 2540C	
180-164552-6	MW-6	Total/NA	Water	SM 2540C	
180-164552-9	MW-9	Total/NA	Water	SM 2540C	
180-164552-10	MW-10	Total/NA	Water	SM 2540C	
180-164552-11	DUP-03	Total/NA	Water	SM 2540C	
180-164552-12	DUP-05	Total/NA	Water	SM 2540C	
180-164552-13	EB-02	Total/NA	Water	SM 2540C	
180-164552-14	FB-02	Total/NA	Water	SM 2540C	

Eurofins Pittsburgh

# QC Association Summary

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

Job ID: 180-164552-1

## General Chemistry (Continued)

### Analysis Batch: 450863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-450863/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-450863/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-164552-10 DU	MW-10	Total/NA	Water	SM 2540C	

### Analysis Batch: 451525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total/NA	Water	SM 2540C	
180-164552-3	MW-3	Total/NA	Water	SM 2540C	
180-164552-7	MW-7	Total/NA	Water	SM 2540C	
180-164552-8	MW-8	Total/NA	Water	SM 2540C	
MB 180-451525/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-451525/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-164552-1 DU	MW-1	Total/NA	Water	SM 2540C	

## Field Service / Mobile Lab

### Analysis Batch: 451750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total/NA	Water	Field Sampling	
180-164552-2	MW-2	Total/NA	Water	Field Sampling	
180-164552-3	MW-3	Total/NA	Water	Field Sampling	
180-164552-4	MW-4	Total/NA	Water	Field Sampling	
180-164552-5	MW-5	Total/NA	Water	Field Sampling	
180-164552-6	MW-6	Total/NA	Water	Field Sampling	
180-164552-7	MW-7	Total/NA	Water	Field Sampling	
180-164552-8	MW-8	Total/NA	Water	Field Sampling	
180-164552-9	MW-9	Total/NA	Water	Field Sampling	
180-164552-10	MW-10	Total/NA	Water	Field Sampling	

**Chain of Custody Record**

<b>Client Information</b> Client Contact: <i>Hoyendaw/Veris</i> SCS Contacts: <i>850-336-0192</i> Company: SCS		Lab PM: Brown, Sheli E-Mail: sheli.brown@eurofinset.com		COC No. <i>1022</i> Page: <i>1 of 2</i> Job #	
Address: 3535 Colonnade Pkwy Bin S 530 EC City: Birmingham State/Zip: Alabama Phone: 205.992.6283 Email:		Due Date Requested: TAT Requested (days): PO #: WO #: Project #: 18020047 SSONW#:		Camer Tracking No(s): Analysis Requested: 6220B Custom 14 (App III and IV) 7470 Mercury 9055 Chloride Fluoride Sulfate Total Dissolved Solids Ra 226 Ra 228 and Combined	
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 Other:		Matrix (Water, Swab, On-site soil, BT-tissue, AWG)		Sample Date Sample Time Sample Type (C=Comp, G=grab)	
M- Hexane N- None O - AsHClO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)		MW-1 MW-2 MW-3 MW-4 MW-5 MW-6 MW-7 MW-8 MW-9 MW-10 DUP-03		10-26-23 1113 G water NO 10-26-23 1440 G water NO 10-26-23 1055 G water NO 10-26-23 1435 G water NO 10-26-23 1002 G water NO 10-26-23 1250 G water NO 10-26-23 0930 G water NO 10-27-23 1031 G water NO 10-27-23 1224 G water NO 10-26-23 1221 G water NO 10-26-23 0955 G water NO	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements	
Deliverable Requested: I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <i>[Signature]</i>		Date/Time: 10-27-23 1340		Date/Time: 10/27/23 0945	
Relinquished by:		Date/Time:		Date/Time:	
Relinquished by:		Date/Time:		Date/Time:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	



<b>Client Information</b> Client Contact: _____ SCS Contacts: _____ Company: _____		Lab PM: _____ Brown, Shall E-Mail: shall.brown@eurofinsnet.com		Carrier Tracking No(s): _____ COC No: _____ Page: <b>2 of 2</b> Job #: _____	
Address: 3535 Colonnade Pkwy Bin S 530 EC City: Birmingham State: AL Zip: _____ Alabama Phone: 205.992.6283 Email: _____ SCS Contacts: _____ Project Name: Daniel GSA CCR Site: _____		Due Date Requested: _____ TAT Requested (days): _____ PO #: _____ WO #: _____ Project #: 18020047 SSO#: _____		Analysis Requested Total Dissolved Solids 90856 Chloride Fluoride Sulfate 7470 Mercury 620B Custom 14 (App III and IV)	
Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - NaHSO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		Special Instructions/Note: _____ _____ _____		Sample Identification DUP-05 EB-02 FB-02	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Date 10-27-23 10-27-23 10-27-23		Sample Time 0931 0848 0838	
Deliverable Requested: I, II, III, IV, Other (specify) _____		Sample Type (C=Comp, G=grab) G G G		Matrix (W=water, S=solid, O=soil, BT=tissue, A=air) water water water	
Empty Kit Relinquished by: _____ Relinquished by: _____ Relinquished by: _____ Relinquished by: _____		Date 10-27-23 10-27-23 10-27-23		Date/Time 1340 1340 1340	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements: _____ _____		Method of Shipment: _____ _____	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: _____ _____		Received by: _____ Received by: _____ Received by: _____	
Date/Time 10-27-23 1340		Date/Time 10-28-23 0945		Date/Time _____	
Company TATA		Company EPA		Company EPA	





ORIGIN ID:MOBA (850) 336-0192  
TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 27OCT  
ACTWGT: 68.15 LB  
CAD: 6994562/SS  
DIMS: 24x13x14  
BILL THIRD PARTY

TO

TESTAMERICA PITTSBURGH LAB  
301 ALPHA DRIVE

PITTSBURGH PA 15238

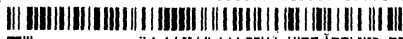
(850) 336-0192

REF:

YNU:

PO:

DEPT:



Uncorrected temp  
Thermometer ID

24 °C  
22

CF 004 Initials pm

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

FedEx  
Express



2 of 5

MPS# 7856 4357 2776

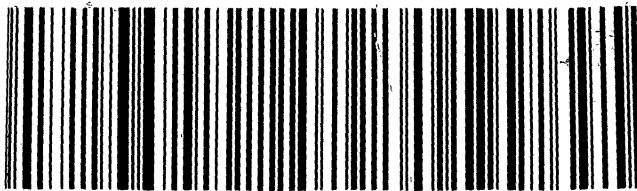
Mstr# 7856 4357 2765

0201

SATURDAY 12:00P  
PRIORITY OVERNIGHT

XO AGCA

15238  
PA-US PIT







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- 6
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- 11
- 12
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**XO AGCA**

PA-US  
15238  
PT

MPS# 7856 4357 2798  
MPS# 7856 4357 2798  
4 of 5

SATURDAY 12:00P  
PRIORITY OVERNIGHT



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

CF-04  
Initials     

Uncorrected temp  
Thermometer ID     

4.2 °C  
REF:     

PITTSBURGH PA 15238  
REF: (860) 336-0192

TESTAMERICA PITTSBURGH LAB  
301 ALPHA DRIVE

Part # 1562973455 RHO22 EXP 08/24

SHIP DATE: 27OCT23  
ACTWGT: 61.35 LB  
CAD: 6994562/SSFE2441  
DIMS: 24x13x14 IN  
BILL THIRD PARTY

ORIGIN ID: MOBA (850) 336-0192  
TESTAMERICA PITTSBURGH LAB  
SERV. CHARGES & BEFORE BILL  
301 ALPHA DR PA 15238  
PITTSBURGH, PA 15238  
UNITED STATES 98



TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

CAD: 6994562/SSFE2441  
DIMS: 24x13x14 IN  
BILL THIRD PARTY

TO

TESTAMERICA PITTSBURGH LAB  
301 ALPHA DRIVE

PITTSBURGH PA 15238

(860) 336-0182

REF:

INU:  
PD:

DEPT:

Uncorrected temp 4.5 °C  
Thermometer ID 17

CF -0.4 Initials PD

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

FedEx  
Express



5 of 5

MPS#  
0263

7856 4357 2802

SATURDAY 12:00P  
PRIORITY OVERNIGHT

Mstr# 7856 4357 2765

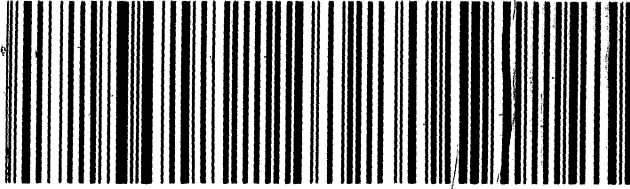
0201

**XO AGCA**

15238

PA-US

PIT



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# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164552-1

**Login Number: 164552**

**List Source: Eurofins Pittsburgh**

**List Number: 1**

**Creator: Abernathy, Eric L**

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: 180-164552-1

**Login Number: 164552**

**List Number: 2**

**Creator: Harley, Tynisha**

**List Source: Eurofins Savannah**

**List Creation: 10/31/23 12:26 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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.	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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 12/6/2023 3:27:54 PM

## JOB DESCRIPTION

Plant Daniel GSA CCR

## JOB NUMBER

180-164552-2

# Eurofins Pittsburgh

## 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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12/6/2023 3:27:54 PM

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



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# Case Narrative

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

Job ID: 180-164552-2

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**Job ID: 180-164552-2**

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**Laboratory: Eurofins Pittsburgh**

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**Narrative**

**Job Narrative  
180-164552-2**

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample 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 10/28/2023 9:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 2.0°C, 3.8°C, 3.9°C, 4.1°C and 4.9°C

**Gas Flow Proportional Counter**

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

**Rad**

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 GSA CCR

Job ID: 180-164552-2

## Qualifiers

### Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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 GSA CCR

Job ID: 180-164552-2

## Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-23
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-24
Connecticut	State	PH-0241	03-31-25
Florida	NELAP	E87689	06-30-24
HI - RadChem Recognition	State	n/a	06-30-24
Illinois	NELAP	200023	11-30-24
Iowa	State	373	12-01-24
Kansas	NELAP	E-10236	10-31-24
Kentucky (DW)	State	KY90125	12-31-23
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-23
Louisiana	NELAP	04080	06-30-22 *
Louisiana (All)	NELAP	04080	06-30-24
Louisiana (DW)	State	LA011	12-31-23
Maryland	State	310	09-30-24
Massachusetts	State	M-MO054	06-30-24
MI - RadChem Recognition	State	9005	06-30-24
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-24
New Jersey	NELAP	MO002	06-30-24
New Mexico	State	MO00054	06-30-24
New York	NELAP	11616	03-31-24
North Carolina (DW)	State	29700	07-31-24
North Dakota	State	R-207	06-30-24
Oklahoma	NELAP	9997	08-31-24
Oregon	NELAP	4157	09-01-24
Pennsylvania	NELAP	68-00540	02-28-24
South Carolina	State	85002001	06-30-24
Texas	NELAP	T104704193	07-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-24
USDA	US Federal Programs	P330-17-00028	05-18-26
Utah	NELAP	MO000542021-14	07-31-24
Virginia	NELAP	10310	06-15-25
Washington	State	C592	08-30-24
West Virginia DEP	State	381	12-31-23

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

# Sample Summary

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

Job ID: 180-164552-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-164552-1	MW-1	Water	10/26/23 11:13	10/28/23 09:45
180-164552-2	MW-2	Water	10/26/23 14:40	10/28/23 09:45
180-164552-3	MW-3	Water	10/26/23 10:55	10/28/23 09:45
180-164552-4	MW-4	Water	10/26/23 14:35	10/28/23 09:45
180-164552-5	MW-5	Water	10/26/23 10:02	10/28/23 09:45
180-164552-6	MW-6	Water	10/26/23 12:50	10/28/23 09:45
180-164552-7	MW-7	Water	10/26/23 09:30	10/28/23 09:45
180-164552-8	MW-8	Water	10/27/23 10:31	10/28/23 09:45
180-164552-9	MW-9	Water	10/27/23 12:24	10/28/23 09:45
180-164552-10	MW-10	Water	10/26/23 12:21	10/28/23 09:45
180-164552-11	DUP-03	Water	10/26/23 09:55	10/28/23 09:45
180-164552-12	DUP-05	Water	10/27/23 09:31	10/28/23 09:45
180-164552-13	EB-02	Water	10/27/23 08:48	10/28/23 09:45
180-164552-14	FB-02	Water	10/27/23 08:38	10/28/23 09:45



# Method Summary

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

Job ID: 180-164552-2

Method	Method Description	Protocol	Laboratory
9315	Radium-226 (GFPC)	SW846	EET SL
9320	Radium-228 (GFPC)	SW846	EET SL
Ra226_Ra228	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

**Protocol References:**

None = None

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

TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566



# Lab Chronicle

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

Job ID: 180-164552-2

**Client Sample ID: MW-1**

**Lab Sample ID: 180-164552-1**

Date Collected: 10/26/23 11:13

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.17 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:00	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			996.17 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:52	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-2**

**Lab Sample ID: 180-164552-2**

Date Collected: 10/26/23 14:40

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			990.30 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			990.30 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:52	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-3**

**Lab Sample ID: 180-164552-3**

Date Collected: 10/26/23 10:55

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1001.62 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1001.62 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:52	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-4**

**Lab Sample ID: 180-164552-4**

Date Collected: 10/26/23 14:35

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.03 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:01	FLC	EET SL
Instrument ID: GFPCBLUE										

# Lab Chronicle

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

Job ID: 180-164552-2

**Client Sample ID: MW-4**

**Lab Sample ID: 180-164552-4**

Date Collected: 10/26/23 14:35

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			1000.03 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-5**

**Lab Sample ID: 180-164552-5**

Date Collected: 10/26/23 10:02

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.71 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1002.71 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-6**

**Lab Sample ID: 180-164552-6**

Date Collected: 10/26/23 12:50

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1004.20 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1004.20 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL
Instrument ID: NOEQUIP										

**Client Sample ID: MW-7**

**Lab Sample ID: 180-164552-7**

Date Collected: 10/26/23 09:30

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.61 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639537	12/05/23 20:58	FLC	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			994.61 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:54	FLC	EET SL
Instrument ID: GFPCRED										

# Lab Chronicle

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

Job ID: 180-164552-2

## Client Sample ID: MW-7

## Lab Sample ID: 180-164552-7

Date Collected: 10/26/23 09:30

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL

## Client Sample ID: MW-8

## Lab Sample ID: 180-164552-8

Date Collected: 10/27/23 10:31

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.85 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639537	12/05/23 20:58	FLC	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1005.85 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/05/23 17:04	EMH	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: MW-9

## Lab Sample ID: 180-164552-9

Date Collected: 10/27/23 12:24

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.17 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639537	12/05/23 20:58	FLC	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1000.17 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638803	11/30/23 11:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/06/23 16:21	EMH	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: MW-10

## Lab Sample ID: 180-164552-10

Date Collected: 10/26/23 12:21

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.55 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639537	12/05/23 20:58	FLC	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			995.55 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/06/23 16:21	EMH	EET SL
Instrument ID: NOEQUIP										

# Lab Chronicle

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

Job ID: 180-164552-2

## Client Sample ID: DUP-03

## Lab Sample ID: 180-164552-11

Date Collected: 10/26/23 09:55

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			993.88 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639537	12/05/23 20:58	FLC	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			993.88 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/06/23 16:21	EMH	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: DUP-05

## Lab Sample ID: 180-164552-12

Date Collected: 10/27/23 09:31

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1005.73 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639537	12/05/23 21:01	FLC	EET SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1005.73 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/06/23 16:21	EMH	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: EB-02

## Lab Sample ID: 180-164552-13

Date Collected: 10/27/23 08:48

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.82 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:06	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			996.82 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/06/23 16:21	EMH	EET SL
Instrument ID: NOEQUIP										

## Client Sample ID: FB-02

## Lab Sample ID: 180-164552-14

Date Collected: 10/27/23 08:38

Matrix: Water

Date Received: 10/28/23 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.22 mL	1.0 g	635564	11/06/23 10:54	KAC	EET SL
Total/NA	Analysis	9315		1			639508	12/05/23 21:07	FLC	EET SL
Instrument ID: GFPCBLUE										



# Lab Chronicle

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

Job ID: 180-164552-2

**Client Sample ID: FB-02**

**Lab Sample ID: 180-164552-14**

**Date Collected: 10/27/23 08:38**

**Matrix: Water**

**Date Received: 10/28/23 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep_0			994.22 mL	1.0 g	635569	11/06/23 10:59	KAC	EET SL
Total/NA	Analysis	9320		1			638947	11/30/23 12:01	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			639395	12/06/23 16:21	EMH	EET SL
Instrument ID: NOEQUIP										

**Laboratory References:**

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

**Analyst References:**

Lab: EET SL

Batch Type: Prep

KAC = Kevin Cox

Batch Type: Analysis

EMH = Elizabeth Hoerchler

FLC = Fernando Cruz

# Client Sample Results

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

Job ID: 180-164552-2

**Client Sample ID: MW-1**

**Lab Sample ID: 180-164552-1**

Date Collected: 10/26/23 11:13

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.470		0.156	0.162	1.00	0.161	pCi/L	11/06/23 10:54	12/05/23 21:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					11/06/23 10:54	12/05/23 21:00	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.429	0.440	1.00	0.546	pCi/L	11/06/23 10:59	11/30/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					11/06/23 10:59	11/30/23 11:52	1
Y Carrier	83.7		30 - 110					11/06/23 10:59	11/30/23 11:52	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.52		0.456	0.469	5.00	0.546	pCi/L		12/05/23 17:04	1

**Client Sample ID: MW-2**

**Lab Sample ID: 180-164552-2**

Date Collected: 10/26/23 14:40

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.252		0.117	0.119	1.00	0.141	pCi/L	11/06/23 10:54	12/05/23 21:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					11/06/23 10:54	12/05/23 21:01	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.53		0.466	0.487	1.00	0.534	pCi/L	11/06/23 10:59	11/30/23 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					11/06/23 10:59	11/30/23 11:52	1
Y Carrier	81.1		30 - 110					11/06/23 10:59	11/30/23 11:52	1

# Client Sample Results

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

Job ID: 180-164552-2

## Client Sample ID: MW-2

Lab Sample ID: 180-164552-2

Date Collected: 10/26/23 14:40

Matrix: Water

Date Received: 10/28/23 09:45

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.78		0.480	0.501	5.00	0.534	pCi/L		12/05/23 17:04	1

## Client Sample ID: MW-3

Lab Sample ID: 180-164552-3

Date Collected: 10/26/23 10:55

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.846		0.182	0.198	1.00	0.143	pCi/L	11/06/23 10:54	12/05/23 21:01	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	102		30 - 110					11/06/23 10:54	12/05/23 21:01	1

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.90		0.490	0.520	1.00	0.532	pCi/L	11/06/23 10:59	11/30/23 11:52	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	102		30 - 110					11/06/23 10:59	11/30/23 11:52	1
Y Carrier	81.5		30 - 110					11/06/23 10:59	11/30/23 11:52	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.75		0.523	0.556	5.00	0.532	pCi/L		12/05/23 17:04	1

## Client Sample ID: MW-4

Lab Sample ID: 180-164552-4

Date Collected: 10/26/23 14:35

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.319		0.121	0.125	1.00	0.127	pCi/L	11/06/23 10:54	12/05/23 21:01	1
<i>Carrier</i>	<i>%Yield</i>	<i>Qualifier</i>	<i>Limits</i>					<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Ba Carrier	96.5		30 - 110					11/06/23 10:54	12/05/23 21:01	1

# Client Sample Results

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

Job ID: 180-164552-2

## Client Sample ID: MW-4

Lab Sample ID: 180-164552-4

Date Collected: 10/26/23 14:35

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.474	U	0.323	0.326	1.00	0.481	pCi/L	11/06/23 10:59	11/30/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					11/06/23 10:59	11/30/23 11:54	1
Y Carrier	84.5		30 - 110					11/06/23 10:59	11/30/23 11:54	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.793		0.345	0.349	5.00	0.481	pCi/L		12/05/23 17:04	1

## Client Sample ID: MW-5

Lab Sample ID: 180-164552-5

Date Collected: 10/26/23 10:02

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.438		0.137	0.143	1.00	0.129	pCi/L	11/06/23 10:54	12/05/23 21:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					11/06/23 10:54	12/05/23 21:01	1

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.05		0.419	0.430	1.00	0.525	pCi/L	11/06/23 10:59	11/30/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					11/06/23 10:59	11/30/23 11:54	1
Y Carrier	73.6		30 - 110					11/06/23 10:59	11/30/23 11:54	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.48		0.441	0.453	5.00	0.525	pCi/L		12/05/23 17:04	1

# Client Sample Results

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

Job ID: 180-164552-2

**Client Sample ID: MW-6**

**Lab Sample ID: 180-164552-6**

Date Collected: 10/26/23 12:50

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.262		0.110	0.113	1.00	0.122	pCi/L	11/06/23 10:54	12/05/23 21:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					11/06/23 10:54	12/05/23 21:01	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.740		0.376	0.383	1.00	0.522	pCi/L	11/06/23 10:59	11/30/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.8		30 - 110					11/06/23 10:59	11/30/23 11:54	1
Y Carrier	78.5		30 - 110					11/06/23 10:59	11/30/23 11:54	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.00		0.392	0.399	5.00	0.522	pCi/L		12/05/23 17:04	1

**Client Sample ID: MW-7**

**Lab Sample ID: 180-164552-7**

Date Collected: 10/26/23 09:30

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.24		0.216	0.243	1.00	0.147	pCi/L	11/06/23 10:54	12/05/23 20:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					11/06/23 10:54	12/05/23 20:58	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.91		0.588	0.647	1.00	0.500	pCi/L	11/06/23 10:59	11/30/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					11/06/23 10:59	11/30/23 11:54	1
Y Carrier	77.0		30 - 110					11/06/23 10:59	11/30/23 11:54	1

# Client Sample Results

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

Job ID: 180-164552-2

## Client Sample ID: MW-7

Lab Sample ID: 180-164552-7

Date Collected: 10/26/23 09:30

Matrix: Water

Date Received: 10/28/23 09:45

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	4.15		0.626	0.691	5.00	0.500	pCi/L		12/05/23 17:04	1

## Client Sample ID: MW-8

Lab Sample ID: 180-164552-8

Date Collected: 10/27/23 10:31

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.261		0.112	0.114	1.00	0.131	pCi/L	11/06/23 10:54	12/05/23 20:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					11/06/23 10:54	12/05/23 20:58	1

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.24		0.387	0.404	1.00	0.426	pCi/L	11/06/23 10:59	11/30/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					11/06/23 10:59	11/30/23 11:54	1
Y Carrier	83.0		30 - 110					11/06/23 10:59	11/30/23 11:54	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.51		0.403	0.420	5.00	0.426	pCi/L		12/05/23 17:04	1

## Client Sample ID: MW-9

Lab Sample ID: 180-164552-9

Date Collected: 10/27/23 12:24

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.333		0.113	0.117	1.00	0.0925	pCi/L	11/06/23 10:54	12/05/23 20:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					11/06/23 10:54	12/05/23 20:58	1

# Client Sample Results

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

Job ID: 180-164552-2

## Client Sample ID: MW-9

Lab Sample ID: 180-164552-9

Date Collected: 10/27/23 12:24

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	0.764		0.407	0.413	1.00	0.569	pCi/L	11/06/23 10:59	11/30/23 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.5		30 - 110					11/06/23 10:59	11/30/23 11:54	1
Y Carrier	74.4		30 - 110					11/06/23 10:59	11/30/23 11:54	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Combined Radium 226 + 228	1.10		0.422	0.429	5.00	0.569	pCi/L		12/06/23 16:21	1

## Client Sample ID: MW-10

Lab Sample ID: 180-164552-10

Date Collected: 10/26/23 12:21

Matrix: Water

Date Received: 10/28/23 09:45

### Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-226	0.0712	U	0.0819	0.0822	1.00	0.133	pCi/L	11/06/23 10:54	12/05/23 20:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					11/06/23 10:54	12/05/23 20:58	1

### Method: SW846 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Radium-228	0.373	U	0.357	0.359	1.00	0.572	pCi/L	11/06/23 10:59	11/30/23 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		30 - 110					11/06/23 10:59	11/30/23 12:01	1
Y Carrier	81.1		30 - 110					11/06/23 10:59	11/30/23 12:01	1

### Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			Uncert.	Uncert.						
			(2σ+/-)	(2σ+/-)						
Combined Radium 226 + 228	0.444	U	0.366	0.368	5.00	0.572	pCi/L		12/06/23 16:21	1

# Client Sample Results

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

Job ID: 180-164552-2

**Client Sample ID: DUP-03**

**Lab Sample ID: 180-164552-11**

Date Collected: 10/26/23 09:55

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.712		0.160	0.172	1.00	0.126	pCi/L	11/06/23 10:54	12/05/23 20:58	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					11/06/23 10:54	12/05/23 20:58	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.58		0.488	0.509	1.00	0.578	pCi/L	11/06/23 10:59	11/30/23 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.3		30 - 110					11/06/23 10:59	11/30/23 12:01	1
Y Carrier	78.5		30 - 110					11/06/23 10:59	11/30/23 12:01	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.29		0.514	0.537	5.00	0.578	pCi/L		12/06/23 16:21	1

**Client Sample ID: DUP-05**

**Lab Sample ID: 180-164552-12**

Date Collected: 10/27/23 09:31

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.292		0.123	0.126	1.00	0.150	pCi/L	11/06/23 10:54	12/05/23 21:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					11/06/23 10:54	12/05/23 21:01	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.33		0.476	0.492	1.00	0.607	pCi/L	11/06/23 10:59	11/30/23 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					11/06/23 10:59	11/30/23 12:01	1
Y Carrier	77.8		30 - 110					11/06/23 10:59	11/30/23 12:01	1



# Client Sample Results

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

Job ID: 180-164552-2

**Client Sample ID: DUP-05**

**Lab Sample ID: 180-164552-12**

Date Collected: 10/27/23 09:31

Matrix: Water

Date Received: 10/28/23 09:45

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	1.62		0.492	0.508	5.00	0.607	pCi/L		12/06/23 16:21	1

**Client Sample ID: EB-02**

**Lab Sample ID: 180-164552-13**

Date Collected: 10/27/23 08:48

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0749	U	0.0770	0.0773	1.00	0.121	pCi/L	11/06/23 10:54	12/05/23 21:06	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	96.8		30 - 110					11/06/23 10:54	12/05/23 21:06	1

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0242	U	0.292	0.292	1.00	0.552	pCi/L	11/06/23 10:59	11/30/23 12:01	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	96.8		30 - 110					11/06/23 10:59	11/30/23 12:01	1
Y Carrier	84.1		30 - 110					11/06/23 10:59	11/30/23 12:01	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.0507	U	0.302	0.302	5.00	0.552	pCi/L		12/06/23 16:21	1

**Client Sample ID: FB-02**

**Lab Sample ID: 180-164552-14**

Date Collected: 10/27/23 08:38

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9315 - Radium-226 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0473	U	0.0903	0.0904	1.00	0.159	pCi/L	11/06/23 10:54	12/05/23 21:07	1
<b>Carrier</b>	<b>%Yield</b>	<b>Qualifier</b>	<b>Limits</b>					<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Ba Carrier	97.0		30 - 110					11/06/23 10:54	12/05/23 21:07	1

# Client Sample Results

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

Job ID: 180-164552-2

**Client Sample ID: FB-02**

**Lab Sample ID: 180-164552-14**

Date Collected: 10/27/23 08:38

Matrix: Water

Date Received: 10/28/23 09:45

**Method: SW846 9320 - Radium-228 (GFPC)**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.260	U	0.306	0.306	1.00	0.503	pCi/L	11/06/23 10:59	11/30/23 12:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		30 - 110					11/06/23 10:59	11/30/23 12:01	1
Y Carrier	86.7		30 - 110					11/06/23 10:59	11/30/23 12:01	1

**Method: TAL-STL Ra226\_Ra228 - Combined Radium-226 and Radium-228**

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	0.308	U	0.319	0.319	5.00	0.503	pCi/L		12/06/23 16:21	1



# QC Sample Results

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

Job ID: 180-164552-2

## Method: 9315 - Radium-226 (GFPC)

**Lab Sample ID: MB 160-635564/1-A**  
**Matrix: Water**  
**Analysis Batch: 639397**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 635564**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.0008578	U	0.0441	0.0441	1.00	0.0988	pCi/L	11/06/23 10:54	12/05/23 20:52	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	97.8		30 - 110		11/06/23 10:54	12/05/23 20:52	1			

**Lab Sample ID: LCS 160-635564/2-A**  
**Matrix: Water**  
**Analysis Batch: 639397**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 635564**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.16		1.08	1.00	0.0998	pCi/L	90	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	99.0		30 - 110						

## Method: 9320 - Radium-228 (GFPC)

**Lab Sample ID: MB 160-635569/1-A**  
**Matrix: Water**  
**Analysis Batch: 638803**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 635569**

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.2966	U	0.312	0.313	1.00	0.506	pCi/L	11/06/23 10:59	11/30/23 11:51	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	97.8		30 - 110		11/06/23 10:59	11/30/23 11:51	1			
Y Carrier	84.5		30 - 110		11/06/23 10:59	11/30/23 11:51	1			

**Lab Sample ID: LCS 160-635569/2-A**  
**Matrix: Water**  
**Analysis Batch: 638803**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 635569**

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	7.68	7.675		1.08	1.00	0.442	pCi/L	100	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	99.0		30 - 110						
Y Carrier	86.7		30 - 110						

# QC Association Summary

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

Job ID: 180-164552-2

## Rad

### Prep Batch: 635564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total/NA	Water	PrecSep-21	
180-164552-2	MW-2	Total/NA	Water	PrecSep-21	
180-164552-3	MW-3	Total/NA	Water	PrecSep-21	
180-164552-4	MW-4	Total/NA	Water	PrecSep-21	
180-164552-5	MW-5	Total/NA	Water	PrecSep-21	
180-164552-6	MW-6	Total/NA	Water	PrecSep-21	
180-164552-7	MW-7	Total/NA	Water	PrecSep-21	
180-164552-8	MW-8	Total/NA	Water	PrecSep-21	
180-164552-9	MW-9	Total/NA	Water	PrecSep-21	
180-164552-10	MW-10	Total/NA	Water	PrecSep-21	
180-164552-11	DUP-03	Total/NA	Water	PrecSep-21	
180-164552-12	DUP-05	Total/NA	Water	PrecSep-21	
180-164552-13	EB-02	Total/NA	Water	PrecSep-21	
180-164552-14	FB-02	Total/NA	Water	PrecSep-21	
MB 160-635564/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-635564/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

### Prep Batch: 635569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-164552-1	MW-1	Total/NA	Water	PrecSep_0	
180-164552-2	MW-2	Total/NA	Water	PrecSep_0	
180-164552-3	MW-3	Total/NA	Water	PrecSep_0	
180-164552-4	MW-4	Total/NA	Water	PrecSep_0	
180-164552-5	MW-5	Total/NA	Water	PrecSep_0	
180-164552-6	MW-6	Total/NA	Water	PrecSep_0	
180-164552-7	MW-7	Total/NA	Water	PrecSep_0	
180-164552-8	MW-8	Total/NA	Water	PrecSep_0	
180-164552-9	MW-9	Total/NA	Water	PrecSep_0	
180-164552-10	MW-10	Total/NA	Water	PrecSep_0	
180-164552-11	DUP-03	Total/NA	Water	PrecSep_0	
180-164552-12	DUP-05	Total/NA	Water	PrecSep_0	
180-164552-13	EB-02	Total/NA	Water	PrecSep_0	
180-164552-14	FB-02	Total/NA	Water	PrecSep_0	
MB 160-635569/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-635569/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	







ORIGIN ID:MOBA (850) 336-0192  
TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 27OCT23  
ACTWGT: 75.65 LB  
CAD: 6994562/SSFE2441  
DIMS: 24x13x14 IN  
BILL THIRD PARTY

Part # 1562973438 911101012018EXP 08/24

TO  
TESTAMERICA PITTSBURGH LAB  
301 ALPHA DRIVE

PITTSBURGH PA 15238

(850) 336-0192  
TRU:  
PO:

REF:

DEPT:

Uncorrected temp 4.3 °C  
Thermometer ID 17

CF -0.4 Initials RO

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

FedEx  
Express

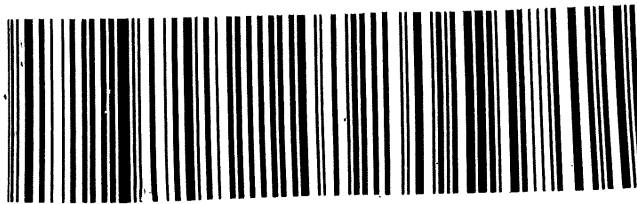


1 of 5  
TRK# 7856 4357 2765  
0201  
## MASTER ##

SATURDAY 12:00P  
PRIORITY OVERNIGHT

**XO AGCA**

AHS  
15238  
PIT  
PA-US





ORIGIN ID:MOBA (850) 336-0192

TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

SHIP DATE: 27OCT  
ACTWGT: 68.15 LB  
CAD: 6994562/SS  
DIMS: 24x13x14  
BILL THIRD PARTY

TO

TESTAMERICA PITTSBURGH LAB  
301 ALPHA DRIVE

PITTSBURGH PA 15238

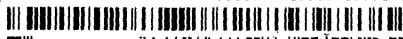
(850) 336-0192

REF:

YNU:

PO:

DEPT:



Uncorrected temp  
Thermometer ID

24 °C  
22

CF 004 Initials pm

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

FedEx  
Express



2 of 5

MPS# 7856 4357 2776  
0263

Mstr# 7856 4357 2765

0201

SATURDAY 12:00P  
PRIORITY OVERNIGHT

XO AGCA

15238  
PA-US PIT







- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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**XO AGCA**

PA-US  
PT  
15238

MPS# 7856 4357 2798  
Mstr# 7856 4357 2765

SATURDAY 12:00P  
PRIORITY OVERNIGHT



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

CF-04  
Initials     

Uncorrected temp  
Thermometer ID     

REF: 4.2 °C  
INIT: 17

PITTSBURGH PA 15238

TESTAMERICA PITTSBURG LAB  
301 ALPHA DRIVE

Part # 1562973455 RHO22 EXP 08/24

SHIP DATE: 27OCT23  
ACTWGT: 61.35 LB  
CAD: 6994562/SSFE2441  
DIMS: 24x13x14 IN  
BILL THIRD PARTY

ORIGIN ID: MOBA (850) 396-0192  
TESTAMERICA PITTSBURGH LAB  
SERV. CHGERS 5 BEFORE BILL  
301 ALPHA DR PA 15238  
PITTSBURGH, PA 15238  
UNITED STATES 98

TESTAMERICA PITTSBURGH LAB  
SEE CHEERS 5 BEFORE BILL  
301 ALPHA DR  
PITTSBURGH, PA 15238  
UNITED STATES US

CAD: 6994562/SSFE2441  
DIMS: 24x13x14 IN  
BILL THIRD PARTY

TO

TESTAMERICA PITTSBURGH LAB  
301 ALPHA DRIVE

PITTSBURGH PA 15238

(860) 336-0182

REF:

INU:  
PD:

DEPT:

Uncorrected temp 4.5 °C  
Thermometer ID 17

CF -0.4 Initials PD

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

FedEx  
Express



5 of 5

MPS# 7856 4357 2802  
0263

SATURDAY 12:00P  
PRIORITY OVERNIGHT

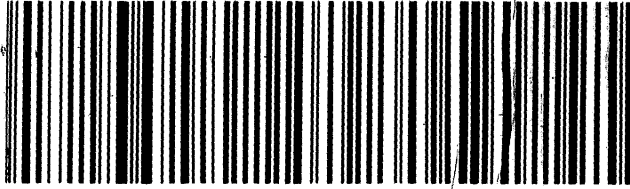
Mstr# 7856 4357 2765

0201

**XO AGCA**

15238

PA-US PIT



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# Chain of Custody Record

<b>Client Information (Sub Contract Lab)</b> Client Contact: <u>Shaili Brown</u> Shipping/Receiving: <u>Shaili Brown@eurofins.com</u> Phone: <u>Shaili Brown, Shaili</u> E-Mail: <u>Shaili Brown</u>		Carrier Tracking No(s): <u>180-498545.2</u> Page: <u>Page 2 of 2</u> Job #: <u>180-164552-2</u>	
Company: <u>TestAmerica Laboratories, Inc.</u> Address: <u>13715 Rider Trail North,</u> City: <u>Earth City</u> State, Zip: <u>MO, 63045</u> Phone: <u>314-298-8566(Tel) 314-298-8757(Fax)</u> Email: <u></u>		Accreditations Required (See note): <u></u> 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 Other: <u></u> M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
Due Date Requested: <u>12/5/2023</u> TAT Requested (days): <u></u> PO #: <u></u> WO #: <u></u> Project #: <u>18020047</u> SSOWN: <u></u>		Analysis Requested Total Number of Containers: <u>2</u>	
Sample Date 10/26/23 10/26/23 10/27/23 10/27/23 10/27/23		Sample Time 12:21 Central 09:55 Central 09:31 Central 08:48 Central 08:38 Central	
Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=soil, BT=Trace, AA=)	
Field Filtered Sample (Yes or No)		Preservation Code:	
Perform MS/MSD (Yes or No)		Special Instructions/Note:	
9320_Ra228/PreSep_0 Standard Target List		X X X X X X X X X X	
9315_Ra226/PreSep_21 Radium 226		X X X X X X X X X X	
Ra226Ra228_GFP		X X X X X X X X X X	
MW-10 (180-164552-10) DUP-03 (180-164552-11) DUP-05 (180-164552-12) EB-02 (180-164552-13) FB-02 (180-164552-14)		Water Water Water Water Water	

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/test/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**  
 Unconfirmed  
 Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_

Primary Deliverable Rank: 2

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

Special Instructions/QC Requirements: \_\_\_\_\_

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

Relinquished by: [Signature] Date/Time: 10/30/23 1000 Company: Eurofins Pittsburgh

Relinquished by: [Signature] Date/Time: 10/31/23 0910 Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact: Δ Yes Δ No Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-164552-2

**Login Number: 164552**

**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: 180-164552-2

**Login Number: 164552**

**List Number: 3**

**Creator: Worthington, Sierra M**

**List Source: Eurofins St. Louis**

**List Creation: 10/31/23 01:25 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
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.	N/A	
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	

# Low-Flow Test Report:

Test Date / Time: 10/26/2023 10:33:53 AM

Project: Daniel GSA CCR MW-1

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-1</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.3 ft</b> <b>Total Depth: 53.3 ft</b> <b>Initial Depth to Water: 22.26 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 48.3 ft</b> <b>Estimated Total Volume Pumped: 14213.333 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.08 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 800306</b>
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## Test Notes:

## Weather Conditions:

P/C 79

## 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	
10/26/2023 10:33 AM	00:00	5.44 pH	28.89 °C	53.33 µS/cm	6.11 mg/L		125.9 mV	22.26 ft	400.00 ml/min
10/26/2023 10:36 AM	03:00	5.13 pH	22.08 °C	54.08 µS/cm	1.46 mg/L	0.74 NTU	126.0 mV	22.34 ft	400.00 ml/min
10/26/2023 10:39 AM	05:32	5.10 pH	21.40 °C	53.98 µS/cm	1.22 mg/L	5.56 NTU	124.6 mV	22.34 ft	400.00 ml/min
10/26/2023 10:42 AM	08:32	5.09 pH	21.31 °C	54.64 µS/cm	1.28 mg/L	7.41 NTU	129.5 mV	22.34 ft	400.00 ml/min
10/26/2023 10:45 AM	11:32	5.08 pH	21.18 °C	54.64 µS/cm	1.35 mg/L	6.20 NTU	134.8 mV	22.34 ft	400.00 ml/min
10/26/2023 10:48 AM	14:32	5.07 pH	21.09 °C	54.73 µS/cm	1.38 mg/L	5.20 NTU	141.5 mV	22.34 ft	400.00 ml/min
10/26/2023 10:51 AM	17:32	5.07 pH	21.15 °C	54.49 µS/cm	1.37 mg/L	4.10 NTU	143.4 mV	22.34 ft	400.00 ml/min
10/26/2023 10:54 AM	20:32	5.06 pH	21.08 °C	54.46 µS/cm	1.37 mg/L	3.23 NTU	146.2 mV	22.34 ft	400.00 ml/min
10/26/2023 10:57 AM	23:32	5.07 pH	21.08 °C	54.45 µS/cm	1.38 mg/L	2.66 NTU	145.4 mV	22.34 ft	400.00 ml/min
10/26/2023 11:00 AM	26:32	5.05 pH	21.02 °C	54.42 µS/cm	1.39 mg/L	2.55 NTU	146.9 mV	22.34 ft	400.00 ml/min
10/26/2023 11:03 AM	29:32	5.06 pH	21.03 °C	54.36 µS/cm	1.40 mg/L	2.02 NTU	144.9 mV	22.34 ft	400.00 ml/min
10/26/2023 11:06 AM	32:32	5.05 pH	21.00 °C	54.29 µS/cm	1.39 mg/L	1.37 NTU	145.1 mV	22.34 ft	400.00 ml/min
10/26/2023 11:09 AM	35:32	5.05 pH	21.04 °C	54.20 µS/cm	1.39 mg/L	1.37 NTU	142.9 mV	22.34 ft	400.00 ml/min



**Samples**

Sample ID:	Description:
MW-1	Sample time 1113

# Low-Flow Test Report:

Test Date / Time: 10/26/2023 1:02:10 PM

Project: Daniel GSA CCR MW-2

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.2 ft</b> <b>Total Depth: 53.2 ft</b> <b>Initial Depth to Water: 20.48 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 48.2 ft</b> <b>Estimated Total Volume Pumped: 38000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.08 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 800306</b>
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## Test Notes:

## Weather Conditions:

P/C 83

## 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	
10/26/2023 1:02 PM	00:00	5.01 pH	25.03 °C	42.47 µS/cm	5.08 mg/L		130.9 mV	20.48 ft	400.00 ml/min
10/26/2023 1:07 PM	05:00	5.00 pH	22.26 °C	45.24 µS/cm	5.11 mg/L	2.33 NTU	128.9 mV	20.54 ft	400.00 ml/min
10/26/2023 1:12 PM	10:00	4.99 pH	21.76 °C	44.95 µS/cm	5.19 mg/L	0.75 NTU	195.3 mV	20.56 ft	400.00 ml/min
10/26/2023 1:17 PM	15:00	4.99 pH	21.58 °C	44.85 µS/cm	5.23 mg/L	1.45 NTU	208.1 mV	20.56 ft	400.00 ml/min
10/26/2023 1:22 PM	20:00	4.99 pH	21.58 °C	44.79 µS/cm	5.25 mg/L	1.91 NTU	216.6 mV	20.56 ft	400.00 ml/min
10/26/2023 1:27 PM	25:00	4.98 pH	21.53 °C	44.69 µS/cm	5.23 mg/L	2.71 NTU	225.0 mV	20.56 ft	400.00 ml/min
10/26/2023 1:32 PM	30:00	4.97 pH	21.53 °C	44.55 µS/cm	5.27 mg/L	4.45 NTU	234.6 mV	20.56 ft	400.00 ml/min
10/26/2023 1:37 PM	35:00	4.97 pH	21.48 °C	44.32 µS/cm	5.30 mg/L	6.78 NTU	153.4 mV	20.56 ft	400.00 ml/min
10/26/2023 1:42 PM	40:00	4.97 pH	21.44 °C	44.48 µS/cm	5.32 mg/L	8.08 NTU	148.8 mV	20.56 ft	400.00 ml/min
10/26/2023 1:47 PM	45:00	4.96 pH	21.44 °C	44.66 µS/cm	5.29 mg/L	7.15 NTU	146.5 mV	20.56 ft	400.00 ml/min
10/26/2023 1:52 PM	50:00	4.96 pH	21.45 °C	44.65 µS/cm	5.28 mg/L	6.45 NTU	145.0 mV	20.56 ft	400.00 ml/min
10/26/2023 1:57 PM	55:00	4.95 pH	21.41 °C	44.76 µS/cm	5.28 mg/L	5.05 NTU	223.9 mV	20.56 ft	400.00 ml/min
10/26/2023 2:02 PM	01:00:00	4.96 pH	21.37 °C	44.72 µS/cm	5.30 mg/L	4.56 NTU	231.9 mV	20.56 ft	400.00 ml/min

10/26/2023 2:07 PM	01:05:00	4.96 pH	21.40 °C	44.75 µS/cm	5.27 mg/L	4.48 NTU	149.6 mV	20.56 ft	400.00 ml/min
10/26/2023 2:12 PM	01:10:00	4.96 pH	21.40 °C	44.70 µS/cm	5.26 mg/L	3.72 NTU	143.6 mV	20.56 ft	400.00 ml/min
10/26/2023 2:17 PM	01:15:00	4.96 pH	21.41 °C	44.65 µS/cm	5.28 mg/L	3.29 NTU	139.9 mV	20.56 ft	400.00 ml/min
10/26/2023 2:22 PM	01:20:00	4.97 pH	21.38 °C	44.62 µS/cm	5.29 mg/L	2.96 NTU	138.6 mV	20.56 ft	400.00 ml/min
10/26/2023 2:27 PM	01:25:00	4.96 pH	21.41 °C	44.68 µS/cm	5.28 mg/L	2.86 NTU	213.3 mV	20.56 ft	400.00 ml/min
10/26/2023 2:28 PM	01:26:00	4.96 pH	21.40 °C	44.73 µS/cm	5.29 mg/L	2.69 NTU	214.7 mV	20.56 ft	400.00 ml/min
10/26/2023 2:31 PM	01:29:00	4.95 pH	21.44 °C	44.59 µS/cm	5.28 mg/L	2.66 NTU	143.4 mV	20.56 ft	400.00 ml/min
10/26/2023 2:34 PM	01:32:00	4.95 pH	21.44 °C	44.60 µS/cm	5.27 mg/L	2.26 NTU	137.0 mV	20.56 ft	400.00 ml/min
10/26/2023 2:37 PM	01:35:00	4.96 pH	21.42 °C	44.51 µS/cm	5.30 mg/L	2.06 NTU	133.3 mV	20.56 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-2	Sample time 1440

# Low-Flow Test Report:

Test Date / Time: 10/26/2023 10:25:05 AM

Project: Daniel GSA CCR MW-3

Operator Name: Todd Voreis

<b>Location Name: Daniel GSA CCR MW-3</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.3 ft Total Depth: 54.3 ft Initial Depth to Water: 23.85 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 49.3 ft Estimated Total Volume Pumped: 8000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 852546
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## Test Notes:

## Weather Conditions:

Partly cloudy, 78 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	
10/26/2023 10:25 AM	00:00	4.44 pH	23.38 °C	60.94 µS/cm	3.99 mg/L		167.3 mV	23.85 ft	400.00 ml/min
10/26/2023 10:30 AM	05:00	4.44 pH	23.40 °C	61.53 µS/cm	3.75 mg/L	1.44 NTU	168.6 mV	23.85 ft	400.00 ml/min
10/26/2023 10:35 AM	10:00	4.44 pH	23.39 °C	61.74 µS/cm	3.73 mg/L	1.13 NTU	169.0 mV	23.85 ft	400.00 ml/min
10/26/2023 10:40 AM	15:00	4.44 pH	23.38 °C	62.06 µS/cm	3.73 mg/L	0.68 NTU	169.2 mV	23.85 ft	400.00 ml/min
10/26/2023 10:45 AM	20:00	4.44 pH	23.30 °C	62.11 µS/cm	3.72 mg/L	0.51 NTU	169.9 mV	23.85 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-3	Sample time 1055
DUP-03	Fake sample time 0955 Plant Daniel GSA CCR Sample
DUP-01	Fake sample time 0955 Plant Daniel GSA sample

# Low-Flow Test Report:

Test Date / Time: 10/26/2023 1:39:05 PM

Project: Daniel GSA CCR MW-4

Operator Name: Todd Voreis

<b>Location Name: Daniel GSA CCR MW-4</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41.8 ft Total Depth: 51.8 ft Initial Depth to Water: 23.88 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 46.8 ft Estimated Total Volume Pumped: 20000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 852546
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## Test Notes:

## Weather Conditions:

Mostly cloudy, 83 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	
10/26/2023 1:39 PM	00:00	4.99 pH	24.98 °C	36.28 µS/cm	4.48 mg/L		198.6 mV	23.88 ft	400.00 ml/min
10/26/2023 1:44 PM	05:00	4.72 pH	22.38 °C	45.84 µS/cm	2.75 mg/L	4.81 NTU	193.9 mV	23.88 ft	400.00 ml/min
10/26/2023 1:49 PM	10:00	4.70 pH	22.27 °C	44.15 µS/cm	2.85 mg/L	4.15 NTU	189.8 mV	23.88 ft	400.00 ml/min
10/26/2023 1:54 PM	15:00	4.71 pH	22.27 °C	42.26 µS/cm	2.84 mg/L	4.80 NTU	191.2 mV	23.88 ft	400.00 ml/min
10/26/2023 1:59 PM	20:00	4.72 pH	22.04 °C	41.40 µS/cm	2.88 mg/L	4.23 NTU	184.9 mV	23.88 ft	400.00 ml/min
10/26/2023 2:04 PM	25:00	4.70 pH	21.95 °C	41.65 µS/cm	2.97 mg/L	3.45 NTU	187.4 mV	23.88 ft	400.00 ml/min
10/26/2023 2:09 PM	30:00	4.69 pH	21.93 °C	41.56 µS/cm	3.02 mg/L	2.54 NTU	186.3 mV	23.88 ft	400.00 ml/min
10/26/2023 2:14 PM	35:00	4.68 pH	21.89 °C	41.33 µS/cm	3.03 mg/L	2.16 NTU	185.3 mV	23.88 ft	400.00 ml/min
10/26/2023 2:19 PM	40:00	4.69 pH	21.86 °C	41.26 µS/cm	3.05 mg/L	1.54 NTU	183.8 mV	23.88 ft	400.00 ml/min
10/26/2023 2:24 PM	45:00	4.68 pH	21.91 °C	41.30 µS/cm	3.06 mg/L	1.08 NTU	183.2 mV	23.88 ft	400.00 ml/min
10/26/2023 2:29 PM	50:00	4.67 pH	21.92 °C	41.16 µS/cm	3.07 mg/L	1.08 NTU	182.5 mV	23.88 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-4	Sample time 1435

Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 10/26/2023 9:45:58 AM

Project: Daniel GSA CCR MW-5

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-5</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 46.3 ft Total Depth: 56.3 ft Initial Depth to Water: 23.35 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 51.3 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.06 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 800306
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## Test Notes:

## Weather Conditions:

Sunny 71

## 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	
10/26/2023 9:45 AM	00:00	4.95 pH	21.56 °C	44.30 µS/cm	1.24 mg/L		143.3 mV	23.35 ft	400.00 ml/min
10/26/2023 9:48 AM	03:00	4.95 pH	21.55 °C	44.15 µS/cm	1.24 mg/L	0.45 NTU	145.2 mV	23.41 ft	400.00 ml/min
10/26/2023 9:51 AM	06:00	4.96 pH	21.58 °C	44.05 µS/cm	1.24 mg/L	0.43 NTU	143.5 mV	23.41 ft	400.00 ml/min
10/26/2023 9:54 AM	09:00	4.96 pH	21.59 °C	44.16 µS/cm	1.24 mg/L	0.45 NTU	143.0 mV	23.41 ft	400.00 ml/min
10/26/2023 9:57 AM	12:00	4.96 pH	21.62 °C	44.22 µS/cm	1.24 mg/L	0.44 NTU	142.1 mV	23.41 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-5	Sample time 1002

# Low-Flow Test Report:

Test Date / Time: 10/26/2023 12:04:38 PM

Project: Daniel GSA CCR MW-6

Operator Name: Todd Voreis

<b>Location Name: Daniel GSA CCR MW-6</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 46 ft</b> <b>Total Depth: 56 ft</b> <b>Initial Depth to Water: 23.25 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 51 ft</b> <b>Estimated Total Volume Pumped: 16000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 852546</b>
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## Test Notes:

## Weather Conditions:

Mostly cloudy, 82 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	
10/26/2023 12:04 PM	00:00	4.68 pH	24.44 °C	34.03 µS/cm	1.59 mg/L		193.1 mV	23.25 ft	400.00 ml/min
10/26/2023 12:09 PM	05:00	4.63 pH	22.44 °C	35.55 µS/cm	0.35 mg/L	3.10 NTU	188.9 mV	23.25 ft	400.00 ml/min
10/26/2023 12:14 PM	10:00	4.64 pH	22.31 °C	35.82 µS/cm	0.28 mg/L	1.38 NTU	189.7 mV	23.25 ft	400.00 ml/min
10/26/2023 12:19 PM	15:00	4.64 pH	22.22 °C	35.79 µS/cm	0.27 mg/L	1.17 NTU	187.6 mV	23.25 ft	400.00 ml/min
10/26/2023 12:24 PM	20:00	4.66 pH	22.29 °C	35.85 µS/cm	0.27 mg/L	0.84 NTU	185.2 mV	23.25 ft	400.00 ml/min
10/26/2023 12:29 PM	25:00	4.65 pH	22.40 °C	35.94 µS/cm	0.27 mg/L	0.81 NTU	184.2 mV	23.25 ft	400.00 ml/min
10/26/2023 12:34 PM	30:00	4.64 pH	22.50 °C	35.83 µS/cm	0.27 mg/L	0.66 NTU	182.8 mV	23.25 ft	400.00 ml/min
10/26/2023 12:39 PM	35:00	4.64 pH	22.35 °C	35.85 µS/cm	0.27 mg/L	0.70 NTU	181.2 mV	23.25 ft	400.00 ml/min
10/26/2023 12:44 PM	40:00	4.65 pH	22.55 °C	35.89 µS/cm	0.28 mg/L	0.66 NTU	179.6 mV	23.25 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-6	Sample time 1250





# Low-Flow Test Report:

Test Date / Time: 10/26/2023 8:50:19 AM

Project: Daniel GSA CCR MW-7

Operator Name: Todd Voreis

<b>Location Name: Daniel GSA CCR MW-7</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.8 ft Total Depth: 54.8 ft Initial Depth to Water: 20.53 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 49.8 ft Estimated Total Volume Pumped: 14000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.01 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 852546
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## Test Notes:

## Weather Conditions:

Partly cloudy, 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	
10/26/2023 8:50 AM	00:00	5.62 pH	21.32 °C	80.73 µS/cm	7.45 mg/L		92.3 mV	20.53 ft	400.00 ml/min
10/26/2023 8:55 AM	05:00	4.36 pH	21.41 °C	80.17 µS/cm	6.51 mg/L	5.56 NTU	94.7 mV	20.54 ft	400.00 ml/min
10/26/2023 9:00 AM	10:00	4.35 pH	21.46 °C	80.22 µS/cm	6.54 mg/L	5.08 NTU	102.4 mV	20.54 ft	400.00 ml/min
10/26/2023 9:05 AM	15:00	4.36 pH	21.55 °C	80.44 µS/cm	6.58 mg/L	4.52 NTU	108.6 mV	20.54 ft	400.00 ml/min
10/26/2023 9:10 AM	20:00	4.36 pH	21.64 °C	80.56 µS/cm	6.62 mg/L	5.58 NTU	115.1 mV	20.54 ft	400.00 ml/min
10/26/2023 9:15 AM	25:00	4.36 pH	21.72 °C	81.18 µS/cm	6.67 mg/L	3.26 NTU	120.2 mV	20.54 ft	400.00 ml/min
10/26/2023 9:20 AM	30:00	4.36 pH	21.77 °C	81.24 µS/cm	6.69 mg/L	2.96 NTU	124.5 mV	20.54 ft	400.00 ml/min
10/26/2023 9:25 AM	35:00	4.38 pH	21.82 °C	81.14 µS/cm	6.68 mg/L	1.92 NTU	128.6 mV	20.54 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-7	Sample time 0930



# Low-Flow Test Report:

Test Date / Time: 10/27/2023 9:39:48 AM

Project: Daniel GSA CCR MW-8

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-8</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 45.8 ft</b> <b>Total Depth: 55.8 ft</b> <b>Initial Depth to Water: 20.51 ft</b>	<b>Pump Type: BP</b> <b>Tubing Type: PE</b> <b>Pump Intake From TOC: 50.8 ft</b> <b>Estimated Total Volume Pumped: 19820 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 400 ml/min</b> <b>Final Draw Down: 0.07 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 1055720</b>
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## Test Notes:

## Weather Conditions:

Sunny 74

## 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	
10/27/2023 9:39 AM	00:00	4.51 pH	23.02 °C	107.93 µS/cm	8.21 mg/L		155.9 mV	20.51 ft	400.00 ml/min
10/27/2023 9:44 AM	05:00	4.48 pH	21.74 °C	45.60 µS/cm	6.15 mg/L	1.64 NTU	159.1 mV	20.58 ft	400.00 ml/min
10/27/2023 9:49 AM	10:00	4.57 pH	21.69 °C	47.19 µS/cm	6.09 mg/L	3.33 NTU	114.4 mV	20.58 ft	400.00 ml/min
10/27/2023 9:54 AM	15:00	4.62 pH	21.68 °C	47.50 µS/cm	6.01 mg/L	2.57 NTU	110.8 mV	20.58 ft	400.00 ml/min
10/27/2023 9:59 AM	20:00	4.66 pH	21.68 °C	47.18 µS/cm	5.95 mg/L	1.70 NTU	108.8 mV	20.58 ft	400.00 ml/min
10/27/2023 10:04 AM	25:00	4.69 pH	21.70 °C	46.64 µS/cm	5.87 mg/L	1.79 NTU	145.4 mV	20.58 ft	400.00 ml/min
10/27/2023 10:09 AM	30:00	4.71 pH	21.71 °C	45.85 µS/cm	5.79 mg/L	1.53 NTU	107.8 mV	20.58 ft	400.00 ml/min
10/27/2023 10:14 AM	35:00	4.72 pH	21.70 °C	43.86 µS/cm	5.71 mg/L	1.56 NTU	106.8 mV	20.58 ft	400.00 ml/min
10/27/2023 10:19 AM	40:00	4.73 pH	21.71 °C	43.59 µS/cm	5.64 mg/L	1.34 NTU	142.3 mV	20.58 ft	400.00 ml/min
10/27/2023 10:20 AM	40:33	4.73 pH	21.71 °C	43.54 µS/cm	5.63 mg/L	1.16 NTU	143.0 mV	20.58 ft	400.00 ml/min
10/27/2023 10:23 AM	43:33	4.72 pH	21.75 °C	43.55 µS/cm	5.61 mg/L	1.26 NTU	107.7 mV	20.58 ft	400.00 ml/min
10/27/2023 10:26 AM	46:33	4.73 pH	21.77 °C	43.44 µS/cm	5.58 mg/L	1.20 NTU	105.2 mV	20.58 ft	400.00 ml/min
10/27/2023 10:29 AM	49:33	4.73 pH	21.76 °C	43.31 µS/cm	5.56 mg/L	1.15 NTU	103.7 mV	20.58 ft	400.00 ml/min

**Samples**

Sample ID:	Description:
MW-8	Sample time 1031
Dup-05	Fake sample time 0931
FB-02	Sample time 0838
EB-02	Sample time 0848

# Low-Flow Test Report:

Test Date / Time: 10/27/2023 11:47:16 AM

Project: Daniel GSA CCR MW-9

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-9</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 46.2 ft Total Depth: 56.2 ft Initial Depth to Water: 20.14 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 51.2 ft Estimated Total Volume Pumped: 14000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.08 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 1055720
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## Test Notes:

## Weather Conditions:

Sunny 82

## 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	
10/27/2023 11:47 AM	00:00	5.34 pH	26.05 °C	36.09 µS/cm	7.67 mg/L		85.0 mV	20.14 ft	400.00 ml/min
10/27/2023 11:52 AM	05:00	4.96 pH	21.86 °C	44.08 µS/cm	5.18 mg/L	0.50 NTU	77.8 mV	20.22 ft	400.00 ml/min
10/27/2023 11:57 AM	10:00	4.93 pH	21.63 °C	44.89 µS/cm	5.35 mg/L	0.54 NTU	92.9 mV	20.22 ft	400.00 ml/min
10/27/2023 12:02 PM	15:00	4.95 pH	21.58 °C	45.79 µS/cm	5.55 mg/L	0.49 NTU	72.1 mV	20.22 ft	400.00 ml/min
10/27/2023 12:07 PM	20:00	4.94 pH	21.55 °C	46.45 µS/cm	5.70 mg/L	0.43 NTU	69.9 mV	20.22 ft	400.00 ml/min
10/27/2023 12:12 PM	25:00	4.93 pH	21.55 °C	47.07 µS/cm	5.80 mg/L	0.51 NTU	69.7 mV	20.22 ft	400.00 ml/min
10/27/2023 12:17 PM	30:00	4.88 pH	21.52 °C	47.35 µS/cm	5.85 mg/L	0.40 NTU	88.5 mV	20.22 ft	400.00 ml/min
10/27/2023 12:22 PM	35:00	4.91 pH	21.53 °C	47.58 µS/cm	5.89 mg/L	0.41 NTU	70.5 mV	20.22 ft	400.00 ml/min

## Samples

Sample ID:	Description:
MW-9	Sample time 1224



# Low-Flow Test Report:

Test Date / Time: 10/26/2023 11:52:05 AM

Project: Daniel GSA CCR MW-10

Operator Name: Rick Hagendorfer

<b>Location Name: Daniel GSA CCR MW-10</b> Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 46.4 ft Total Depth: 56.4 ft Initial Depth to Water: 21.67 ft	<b>Pump Type: BP</b> Tubing Type: PE Pump Intake From TOC: 51.4 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.06 ft	<b>Instrument Used: Aqua TROLL 400</b> Serial Number: 800306
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## Test Notes:

## Weather Conditions:

P/C 81

## 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	
10/26/2023 11:52 AM	00:00	5.35 pH	23.50 °C	39.76 µS/cm	6.18 mg/L		123.5 mV	21.67 ft	400.00 ml/min
10/26/2023 11:57 AM	05:00	5.36 pH	21.80 °C	42.67 µS/cm	6.42 mg/L	1.71 NTU	126.2 mV	21.73 ft	400.00 ml/min
10/26/2023 12:02 PM	10:00	5.36 pH	21.75 °C	43.05 µS/cm	6.42 mg/L	1.59 NTU	127.7 mV	21.73 ft	400.00 ml/min
10/26/2023 12:07 PM	15:00	5.35 pH	21.62 °C	43.05 µS/cm	6.40 mg/L	0.98 NTU	125.3 mV	21.73 ft	400.00 ml/min
10/26/2023 12:12 PM	20:00	5.35 pH	21.54 °C	43.13 µS/cm	6.47 mg/L	0.90 NTU	125.1 mV	21.73 ft	400.00 ml/min
10/26/2023 12:17 PM	25:00	5.35 pH	21.53 °C	43.20 µS/cm	6.48 mg/L	0.64 NTU	125.3 mV	21.73 ft	400.00 ml/min

## Samples

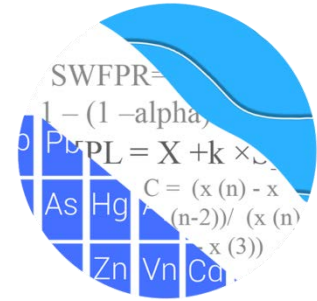
Sample ID:	Description:
MW-10	Sample time 1221



# Appendix B

**1st**  
**Semi-Annual**  
**Monitoring Event**

# GROUNDWATER STATS CONSULTING



June 7, 2023

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

Re: Plant Daniel Gypsum Storage Area (GSA)  
2023 Annual Statistical Analysis – April 2023 Sample Event

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 2023 Annual Groundwater Detection and Assessment Monitoring report for Mississippi Power Company's Plant Daniel GSA. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

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

- **Upgradient wells:** MW-1, MW-2, and MW-10
- **Downgradient wells:** MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician for Groundwater Stats Consulting.

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

- **Appendix III** (Detection Monitoring) – boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of Appendix IV downgradient 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. When constructing 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 and IV parameters are provided for all wells and are used to evaluate concentrations over time. 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. A summary of these values follows this letter. 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 previous 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 are 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 prediction 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 prediction 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. 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.

Note that values shown on data pages reflect raw data and any non-detects that have been substituted with one-half of the reporting limit will be shown as "<" the original reporting limit, such as the non-detect values for chloride in wells MW-6 and MW-10, and TDS in wells MW-3, MW-4, and MW-5.

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. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

## Summary of Background Screening Conducted in September 2017

During the initial background screening conducted in September 2017, all proposed background data were screened for outliers and trends. The statistical method used at this site includes intrawell prediction limits, combined with a 1-of-2 resample plan, for each of the Appendix III parameters. Below is the summary of the findings from the initial screening, which is followed by the summary of the background update screenings performed in 2019 and 2022.

### Outlier and Trend Testing

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 and Appendix IV parameters are 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 true 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.

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 Gypsum Storage Area 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 are recommended for this facility to accommodate the groundwater quality. A summary table of the ANOVA results was included with the screening reports.

### **Summary of Background Updates – Appendix III Parameters**

#### **November 2019**

Prior to updating background data, samples were screened using time series plots for all wells for Appendix III parameters for outliers on proposed background data through the April 2019 sample event. For calcium and sulfate at well MW-3, the April 2019 reported values were higher than those reported historically and were, therefore, flagged as outliers and not included in the background data set at this time. Additionally, the highest measurements were flagged for a few other well/constituent pairs because the reported values did not appear to represent the populations at these wells. The resulting statistical limits are conservative (i.e., lower) from a regulatory perspective. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Additionally, a summary of all flagged values follows this letter.

The Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2017 to the new compliance samples at each well through April 2019 to evaluate whether the groups are statistically different at the 99% confidence level for each of the Appendix III parameters. When no differences exist, 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. No statistically significant differences were found between the two groups except for the following: calcium in wells MW-3, MW-4, and MW-9; and sulfate in upgradient well MW-1.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data but will be reconsidered in the future. For all well/constituent pairs except for sulfate at upgradient well as discussed below, due to the limited data available yet and the variability in data which shows some of the more recent data has similar concentrations to those reported in background, these data sets were updated. In the case of sulfate at upgradient well MW-1, the earlier portion of the record was truncated and the more recent set of measurements were used to construct the prediction limit as the older data no longer appear to represent the natural groundwater quality upgradient of the facility. These results were included in the 2019 Background Update report.

## **May 2022**

### Outlier Analysis

Prior to updating background data, samples were screened using time series plots and Tukey's outlier analysis for all wells for Appendix III parameters to identify potential outliers through the October 2021 sample event. Tukey's outlier test confirmed previously flagged values for chloride at well MW-3 and pH at well MW-8. Although other values were identified for chloride at well MW-6 and pH at well MW-7, these observations were not flagged as outliers since they were not dramatically higher than existing concentrations within the respective wells. Time series plots confirmed additional values flagged as outliers during previous screenings with the exception of a low value for boron in well MW-1, which was unflagged. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Additionally, a summary of all flagged values follows this letter.

### Mann-Whitney Test of Medians

The Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through April 2019 to the new compliance samples at each well through October 2021 to evaluate whether the groups are statistically different at the 99% confidence level for each of the Appendix III parameters. Previously truncated data sets discussed above were also compared to the most recent set of measurements through October 2021. When no differences exist, 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. Note that no reports were produced for boron at wells MW-4, MW-5, and MW-6 as well as for fluoride at wells MW-4 and MW-5 since there was no variation in the data. Statistically significant differences (either an increase or decrease in median concentrations) were identified for the following well/constituent pairs:

#### Increase

- Calcium: MW-3
- Chloride: MW-2 (upgradient) and MW-9
- Fluoride: MW-3
- Sulfate: MW-3
- TDS: MW-3

#### Decrease

- Calcium: MW-1 (upgradient)
- Chloride: MW-1 (upgradient) and MW-7
- Sulfate: MW-4

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data but will be reconsidered in the future. In the cases of calcium at upgradient well MW-1 and the earlier portion of the record was truncated and the more recent set of measurements were used to construct the prediction limit to better represent present-day groundwater quality conditions. For sulfate at MW-4, the record was updated with compliance data since all of the most recent values were below the reporting limit of 5 mg/L. Both chloride at upgradient well MW-1 and downgradient well MW-7 were also updated since the compliance measurements were lower and would construct statistical limits that are conservative (i.e., lower) from a regulatory perspective.

Regarding cases with increases in median concentrations, the records for chloride at upgradient well MW-2 and downgradient well MW-9 were updated since the compliance data were either similar to or within the range of historic concentrations. The records for calcium, fluoride, sulfate, and TDS at MW-3 were not updated. While the most recent concentrations have returned to historical levels, the majority of the compliance values were higher than those reported earlier in the record. Therefore, these records will be re-evaluated during the next background update. A list of any well/constituent pairs using a truncated portion of their record follows this report.

## Statistical Analysis of Appendix III Parameters – April 2023

### Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample strategy, were established for the Appendix III parameters at each well using historical data through October 2021, except for cases mentioned above, to evaluate the April 2023 samples. Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at that well.

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. Initial exceedances were identified for the following well/constituent pairs:

- Calcium: MW-3 and MW-7
- pH (lower limit): MW-2, MW-10 (both upgradient), MW-4, and MW-9
- Sulfate: MW-10 (upgradient) and MW-5

### Trend Test Evaluation

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable. 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 natural variability in groundwater that is unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing:

- Calcium: MW-2 (upgradient) and MW-3
- Sulfate: MW-1 (upgradient)

Decreasing:

- Calcium: MW-1 (upgradient)
- pH: MW-1 and MW-2 (both upgradient)

## **Statistical Methods – Appendix IV Parameters**

Appendix IV parameters are evaluated by statistically comparing the mean or median of each downgradient well/constituent pair against corresponding Groundwater Protection Standards (GWPS). The GWPS may be either regulatory (MCL or CCR rule-specified limits) or site-specific limits that are based on upgradient background groundwater quality. Site-specific background limits are determined using upper tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals.

### **Evaluation of Appendix IV Parameters – April 2023**

Prior to evaluating Appendix IV parameters, upgradient data were screened through visual screening for potential outliers and extreme trending patterns that would lead to artificially elevated statistical limits. High outliers are also cautiously flagged in the downgradient wells when they are clearly much different from the rest of the data. This is intended to be a regulatory conservative approach in that it will reduce the variance and thus reduce the width of confidence intervals, although it will also reduce the mean and thus lower the entire interval for parametric confidence intervals. The intent is to better represent the actual downgradient mean. Flagging high outliers should have no effect on the lower limit of nonparametric confidence intervals. No additional outliers were flagged during this analysis.

During previous analyses, Tukey's outlier test for Appendix IV parameters in downgradient wells identified a high value for barium in well MW-3. However, this value was not flagged in order to be consistent with caution in flagging downgradient data for Appendix IV constituents. Tukey's outlier test on pooled upgradient well data did not identify any outliers; however, the highest measurement of combined radium 226 + 228 in well MW-1 was identified visually and flagged as it did not appear to accurately represent groundwater quality upgradient of the site. A complete list of flagged outliers follows this report.

#### Interwell Upper Tolerance Limits

Parametric upper tolerance limits were used to calculate background limits from pooled upgradient well data through April 2023 for Appendix IV parameters with a target of 95%

confidence and 95% coverage to determine background limits. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

### Groundwater Protection Standards

These interwell upper tolerance limits were compared to the Maximum Contaminant Levels (MCLs), CCR Rule-Specified levels, and background limits in the Groundwater Protection Standard (GWPS) table following this letter to determine the highest limit for use as the GWPS in the Confidence Interval comparisons.

### Confidence Intervals

Confidence intervals were then constructed on downgradient wells using all data through April 2023 for each of the Appendix IV parameters. The Sanitas software was used to calculate the tolerance limits and the confidence intervals, either parametric or nonparametric, as appropriate. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number of samples available. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Complete graphical results of the confidence interval follow this letter. No exceedances were identified.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Daniel Gypsum Storage Area. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew Collins  
Project Manager



Kristina L. Rayner  
Senior Statistician

# Date Ranges

Date: 5/10/2023 9:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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Calcium (mg/L)

MW-1 background:11/8/2018-10/6/2021  
MW-3 background:3/22/2016-11/8/2018

Fluoride (mg/L)

MW-3 background:3/22/2016-9/25/2019

Sulfate (mg/L)

MW-1 background:1/16/2017-10/6/2021  
MW-3 background:1/29/2015-11/7/2018

Total Dissolved Solids (mg/L)

MW-3 background:3/22/2016-9/25/2019

# 100% Non-Detects: Appendix IV Downgradient

Analysis Run 5/10/2023 9:17 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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Antimony (mg/L)

MW-3, MW-5, MW-6, MW-7, MW-8, MW-9

Arsenic (mg/L)

MW-4, MW-6, MW-7, MW-8, MW-9

Beryllium (mg/L)

MW-9

Cadmium (mg/L)

MW-3, MW-4, MW-6, MW-7, MW-8, MW-9

Chromium (mg/L)

MW-5, MW-6, MW-7, MW-8

Fluoride (mg/L)

MW-4, MW-5

Lead (mg/L)

MW-6

Mercury (mg/L)

MW-5, MW-7, MW-8, MW-9

Molybdenum (mg/L)

MW-3, MW-4, MW-5, MW-6, MW-7, MW-9

Selenium (mg/L)

MW-6, MW-7, MW-8

Thallium (mg/L)

MW-4, MW-6, MW-7, MW-8, MW-9

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:08 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	4/17/2023	1.66	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	4/18/2023	2.68	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	4/18/2023	4.84	Yes	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-2	5.68	4.79	4/18/2023	4.61	Yes	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality) 1 of 2
pH (SU)	MW-4	5.101	4.653	4/17/2023	4.61	Yes	27	4.877	0.1084	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	4/18/2023	4.75	Yes	18	4.904	0.06661	0	None	No	0.0005373	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	4/18/2023	3.39	Yes	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	4/18/2023	7.27	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:08 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-1	0.08	n/a	4/18/2023	0.0647J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-10	0.08	n/a	4/18/2023	0.0299J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	4/18/2023	0.0472J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.15	n/a	4/17/2023	0.046J	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	4/17/2023	0.0342J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	4/18/2023	0.0362J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	4/18/2023	0.0289J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.1	n/a	4/18/2023	0.1ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	4/18/2023	0.024J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	4.644	n/a	4/18/2023	3.03	No	8	3.261	0.473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.278	n/a	4/18/2023	0.853	No	16	0.8085	0.2075	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.288	n/a	4/18/2023	0.98	No	19	0.932	0.1632	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>1.615</b>	<b>n/a</b>	<b>4/17/2023</b>	<b>1.66</b>	<b>Yes</b>	<b>11</b>	<b>1.044</b>	<b>0.2254</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-4	2.387	n/a	4/17/2023	0.894	No	18	1.786	0.2723	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.433	n/a	4/18/2023	2.34	No	18	1.909	0.237	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.582	n/a	4/18/2023	0.649	No	18	1.219	0.1643	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-7</b>	<b>2.488</b>	<b>n/a</b>	<b>4/18/2023</b>	<b>2.68</b>	<b>Yes</b>	<b>18</b>	<b>1.641</b>	<b>0.3837</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-8	3.587	n/a	4/18/2023	1.81	No	19	2.392	0.5473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.284	n/a	4/18/2023	0.757	No	19	0.9727	0.1426	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	12.87	n/a	4/18/2023	4.07	No	17	5.716	3.201	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	8.092	n/a	4/18/2023	3.91	No	17	5.278	1.259	5.882	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	10.37	n/a	4/18/2023	8.09	No	17	8.149	0.9926	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.81	n/a	4/17/2023	8.55	No	16	9.844	0.8683	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	9.845	n/a	4/17/2023	5.87	No	17	7.669	0.9736	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.14	n/a	4/18/2023	5.97	No	17	7.845	1.472	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	10.5	n/a	4/18/2023	4.93	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-7	18.99	n/a	4/18/2023	7.27	No	17	182	79.97	0	None	x^2	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	12.06	n/a	4/18/2023	6.43	No	18	9.243	1.274	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	13.2	n/a	4/18/2023	5.44	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.198	n/a	4/17/2023	0.0355J	No	14	n/a	n/a	14.29	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	4/17/2023	0.1ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	4/18/2023	0.0348J	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.742	4.434	4/18/2023	4.8	No	27	5.088	0.3167	0	None	No	0.0005373	Param Intra 1 of 2
<b>pH (SU)</b>	<b>MW-10</b>	<b>5.48</b>	<b>4.86</b>	<b>4/18/2023</b>	<b>4.84</b>	<b>Yes</b>	<b>18</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01075</b>	<b>NP Intra (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>MW-2</b>	<b>5.68</b>	<b>4.79</b>	<b>4/18/2023</b>	<b>4.61</b>	<b>Yes</b>	<b>27</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005004</b>	<b>NP Intra (normality) 1 of 2</b>
pH (SU)	MW-3	4.793	4.198	4/17/2023	4.4	No	27	4.495	0.1441	0	None	No	0.0005373	Param Intra 1 of 2
<b>pH (SU)</b>	<b>MW-4</b>	<b>5.101</b>	<b>4.653</b>	<b>4/17/2023</b>	<b>4.61</b>	<b>Yes</b>	<b>27</b>	<b>4.877</b>	<b>0.1084</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0005373</b>	<b>Param Intra 1 of 2</b>
pH (SU)	MW-5	5.084	4.555	4/18/2023	4.58	No	18	4.819	0.1199	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	4/18/2023	4.56	No	18	4.666	0.07694	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	4/18/2023	4.32	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-8	4.977	4.352	4/18/2023	4.66	No	17	4.665	0.1398	0	None	No	0.0005373	Param Intra 1 of 2
<b>pH (SU)</b>	<b>MW-9</b>	<b>5.051</b>	<b>4.757</b>	<b>4/18/2023</b>	<b>4.75</b>	<b>Yes</b>	<b>18</b>	<b>4.904</b>	<b>0.06661</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0005373</b>	<b>Param Intra 1 of 2</b>



# Appendix III Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:08 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	MW-1	13.22	n/a	4/18/2023	7.46	No	16	8.634	2.028	6.25	None	No	0.001075	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-10</b>	<b>2.1</b>	<b>n/a</b>	<b>4/18/2023</b>	<b>3.39</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>70.59</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-2	3.1	n/a	4/18/2023	0.784J	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	4/17/2023	1.58	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-4	5	n/a	4/17/2023	2.15	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-5</b>	<b>6.05</b>	<b>n/a</b>	<b>4/18/2023</b>	<b>7.27</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>52.94</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-6	3.436	n/a	4/18/2023	1.23	No	17	2.15	0.5757	11.76	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1.57	n/a	4/18/2023	1ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	4.11	n/a	4/18/2023	2.83	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.045	n/a	4/18/2023	2.88	No	17	1.127	0.1444	41.18	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-1	102.2	n/a	4/18/2023	37	No	17	52	22.48	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	61.8	n/a	4/18/2023	34	No	17	28.09	15.09	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	60.69	n/a	4/18/2023	35	No	17	25.49	15.75	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	131.8	n/a	4/17/2023	42	No	14	46.84	36.1	7.143	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	64.23	n/a	4/17/2023	34	No	17	33.09	13.93	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	58.71	n/a	4/18/2023	29	No	17	32.1	11.91	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	52.16	n/a	4/18/2023	32	No	17	24.08	12.56	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	65.57	n/a	4/18/2023	53	No	17	39.06	11.86	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-8	76.83	n/a	4/18/2023	35	No	17	40.38	16.31	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	54.68	n/a	4/18/2023	23	No	17	30.44	10.85	5.882	None	No	0.001075	Param Intra 1 of 2

# Trend Tests- Prediction Limit Exceedances - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:11 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5174	-165	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.0374	102	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.4072	119	92	Yes	22	0	n/a	n/a	0.01	NP
pH (SU)	MW-1 (bg)	-0.08538	-218	-146	Yes	30	0	n/a	n/a	0.01	NP
pH (SU)	MW-2 (bg)	-0.06844	-259	-146	Yes	30	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.181	347	167	Yes	33	3.03	n/a	n/a	0.01	NP

# Trend Tests- Prediction Limit Exceedances - All Results

Plant Daniel    Client: Southern Company    Data: Plant Daniel Gypsum CCR    Printed 5/10/2023, 9:11 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Calcium (mg/L)</b>	<b>MW-1 (bg)</b>	<b>-0.5174</b>	<b>-165</b>	<b>-87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-10 (bg)	0.006404	4	74	No	19	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>MW-2 (bg)</b>	<b>0.0374</b>	<b>102</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>0.4072</b>	<b>119</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-7	-0.09961	-27	-87	No	21	0	n/a	n/a	0.01	NP
<b>pH (SU)</b>	<b>MW-1 (bg)</b>	<b>-0.08538</b>	<b>-218</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (SU)	MW-10 (bg)	-0.01658	-48	-87	No	21	0	n/a	n/a	0.01	NP
<b>pH (SU)</b>	<b>MW-2 (bg)</b>	<b>-0.06844</b>	<b>-259</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (SU)	MW-4	-0.01765	-133	-146	No	30	0	n/a	n/a	0.01	NP
pH (SU)	MW-9	-0.009003	-24	-87	No	21	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>MW-1 (bg)</b>	<b>1.181</b>	<b>347</b>	<b>167</b>	<b>Yes</b>	<b>33</b>	<b>3.03</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	MW-10 (bg)	0	8	81	No	20	65	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-88	-146	No	30	76.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-5	0	4	81	No	20	45	n/a	n/a	0.01	NP

# Upper Tolerance Limits Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 6/7/2023, 8:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 45	n/a	n/a	93.33	n/a	n/a	0.09944	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a 48	n/a	n/a	83.33	n/a	n/a	0.08526	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	n/a 68	n/a	n/a	0	n/a	n/a	0.03056	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 48	n/a	n/a	81.25	n/a	n/a	0.08526	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 45	n/a	n/a	100	n/a	n/a	0.09944	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	n/a 65	n/a	n/a	92.31	n/a	n/a	0.03565	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a 48	n/a	n/a	0	n/a	n/a	0.08526	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.198	n/a	n/a	n/a	n/a 47	1.003	0.3773	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	n/a 63	n/a	n/a	85.71	n/a	n/a	0.0395	NP Inter(NDs)
Lead (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a 48	n/a	n/a	75	n/a	n/a	0.08526	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 45	n/a	n/a	86.67	n/a	n/a	0.09944	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	n/a 65	n/a	n/a	93.85	n/a	n/a	0.03565	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 45	n/a	n/a	95.56	n/a	n/a	0.09944	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	n/a 65	n/a	n/a	83.08	n/a	n/a	0.03565	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 45	n/a	n/a	86.67	n/a	n/a	0.09944	NP Inter(NDs)

<b>PLANT DANIEL GSA CCR GWPS TABLE</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR Rule-Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.005	0.006
Arsenic, Total (mg/L)	0.01		0.0063	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0073	0.1
Cobalt, Total (mg/L)		0.006	0.0044	0.006
Combined Radium, Total (pCi/L)	5		3.2	5
Fluoride, Total (mg/L)	4		0.1	4
Lead, Total (mg/L)		0.015	0.0025	0.015
Lithium, Total (mg/L)		0.04	0.005	0.04
Mercury, Total (mg/L)	0.002		0.00031	0.002
Molybdenum, Total (mg/L)		0.1	0.005	0.1
Selenium, Total (mg/L)	0.05		0.0071	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*

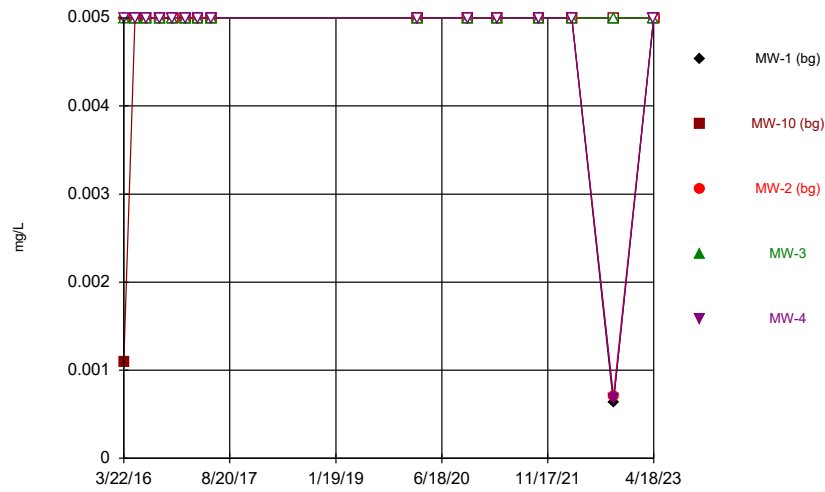
# Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 6/7/2023, 8:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-4	0.005	0.000671	0.006	No	15	0.004711	0.001118	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-3	0.00361	0.00204	0.01	No	16	0.002809	0.0005407	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.003	0.000332	0.01	No	16	0.002833	0.000667	93.75	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	26	0.1146	0.02892	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.05851	0.05015	2	No	26	0.05433	0.008576	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0515	2	No	16	0.06347	0.008045	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07776	0.05677	2	No	16	0.06776	0.01736	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-7	0.186	0.1189	2	No	16	0.1547	0.05328	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1156	0.09107	2	No	16	0.1033	0.01885	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04448	0.0344	2	No	16	0.03944	0.007746	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.000486	0.00034	0.004	No	16	0.0003984	0.00009692	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	MW-4	0.0005	0.000186	0.004	No	16	0.0004804	0.0000785	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.00024	0.004	No	16	0.0000910	0.0002681	87.5	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.0005	0.000303	0.004	No	16	0.0004877	0.00004925	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004288	0.0003251	0.004	No	16	0.0003769	0.00007973	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.0005	0.00034	0.004	No	16	0.0004346	0.00009449	62.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000295	0.005	No	15	0.0009819	0.0004243	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.005	0.0043	0.1	No	25	0.004856	0.000591	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.005	0.0041	0.1	No	25	0.004964	0.00018	96	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.005	0.0024	0.1	No	15	0.004827	0.0006713	93.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00328	0.0016	0.006	No	16	0.002288	0.0007821	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001639	0.001257	0.006	No	16	0.001448	0.0002931	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.00164	0.00088	0.006	No	16	0.001313	0.0008454	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-6	0.002659	0.0019	0.006	No	16	0.002279	0.0005829	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.0025	0.00131	0.006	No	16	0.00214	0.0006267	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-8	0.001578	0.001149	0.006	No	16	0.001364	0.0003291	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001188	0.000935	0.006	No	16	0.001062	0.0001948	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.28	2.047	5	No	16	2.708	1.024	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.267	0.8349	5	No	16	1.051	0.3324	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.511	1.063	5	No	16	1.287	0.3438	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.326	0.8999	5	No	16	1.113	0.3276	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.733	1.895	5	No	16	2.908	1.549	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.235	1.69	5	No	16	1.963	0.4182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9241	0.6351	5	No	16	0.7796	0.2221	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.108	0.04	4	No	23	0.09214	0.07886	8.696	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	21	0.09082	0.02338	85.71	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	21	0.0765	0.0313	61.9	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	21	0.09398	0.01924	90.48	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	21	0.09673	0.01499	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.0008879	0.0004781	0.015	No	16	0.0007021	0.0003361	6.25	None	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-4	0.0025	0.000224	0.015	No	16	0.002067	0.0009303	81.25	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.0025	0.000592	0.015	No	16	0.002234	0.0007311	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.00017	0.015	No	16	0.0007049	0.0003964	62.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.0025	0.000147	0.015	No	16	0.002205	0.000807	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.0025	0.000215	0.015	No	16	0.002065	0.0009347	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00208	0.04	No	15	0.004347	0.001357	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00206	0.04	No	15	0.004607	0.001036	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	15	0.00452	0.001267	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	15	0.004553	0.001183	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00271	0.04	No	15	0.004428	0.001199	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	15	0.004467	0.001406	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.00209	0.04	No	15	0.004283	0.0015	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	25	0.0001877	0.0000344	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	25	0.0001931	0.00002767	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-6	0.00143	0.0002	0.002	No	15	0.00043	0.0006351	86.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	15	0.004795	0.0007953	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.0025	0.05	No	25	0.002772	0.0009454	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.0044	0.0025	0.05	No	25	0.002576	0.00038	96	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.0025	0.0003	0.05	No	15	0.002353	0.000568	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.0025	0.0004	0.05	No	15	0.002214	0.0007549	86.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	15	0.0009513	0.0001887	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	15	0.0009487	0.0001986	93.33	None	No	0.01	NP (NDs)

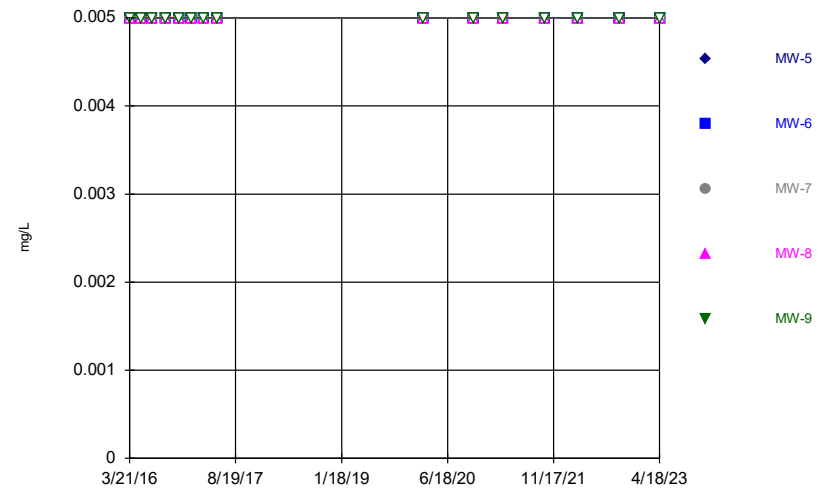
FIGURE A.

Time Series



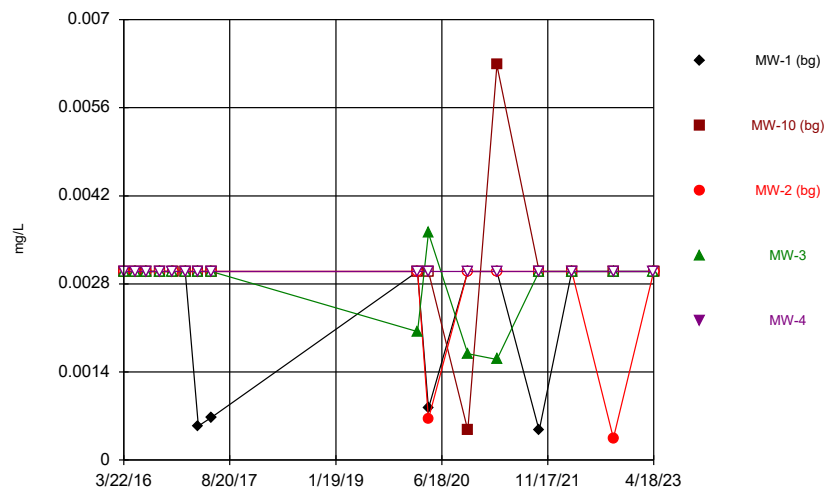
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



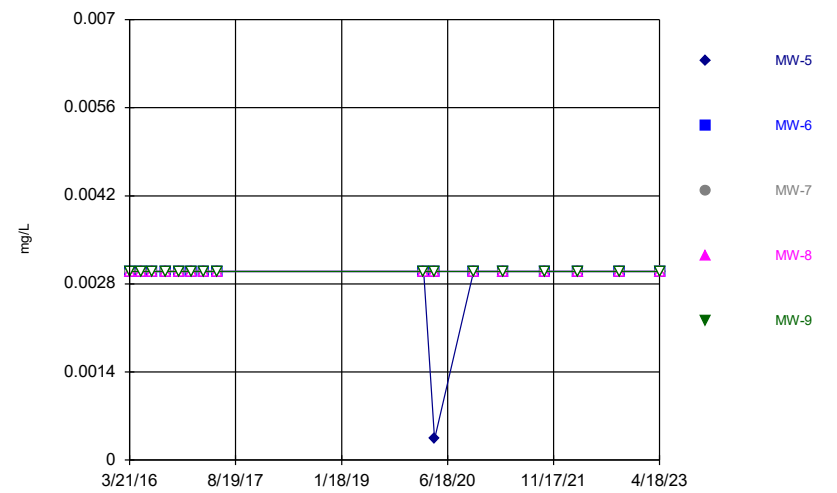
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Arsenic Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

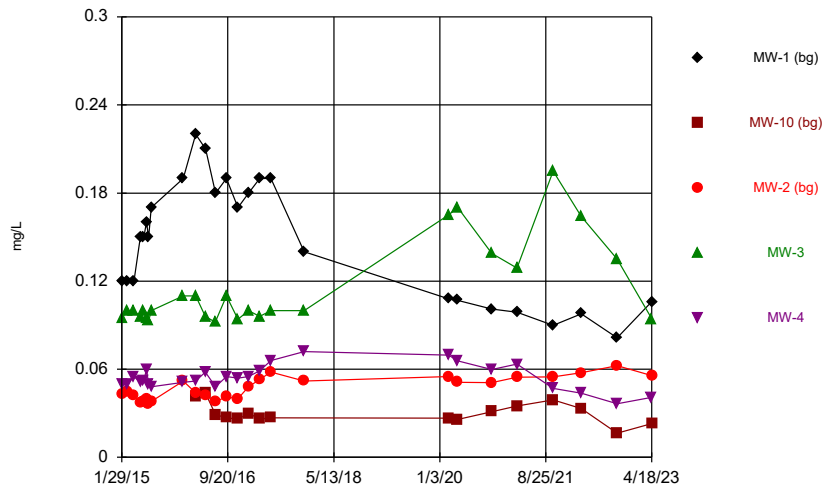
Time Series



Constituent: Arsenic Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

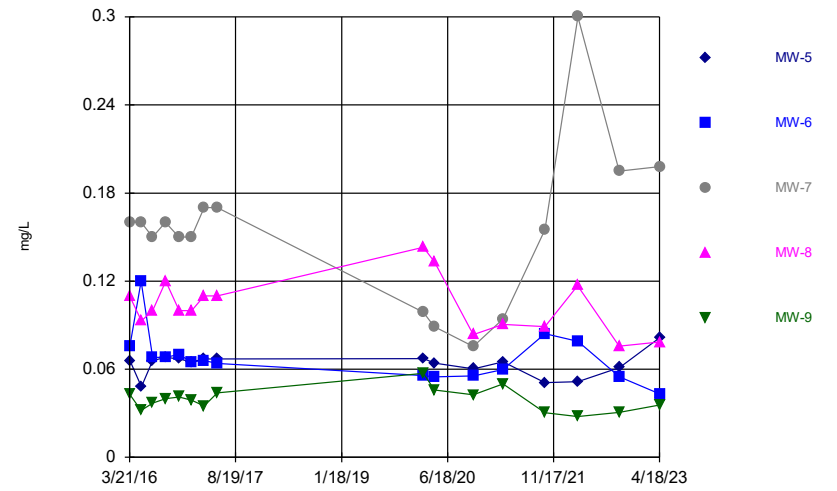


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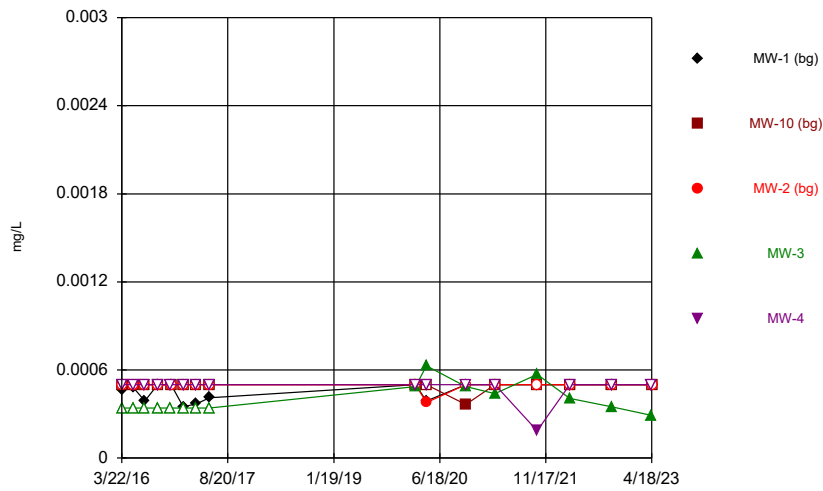
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



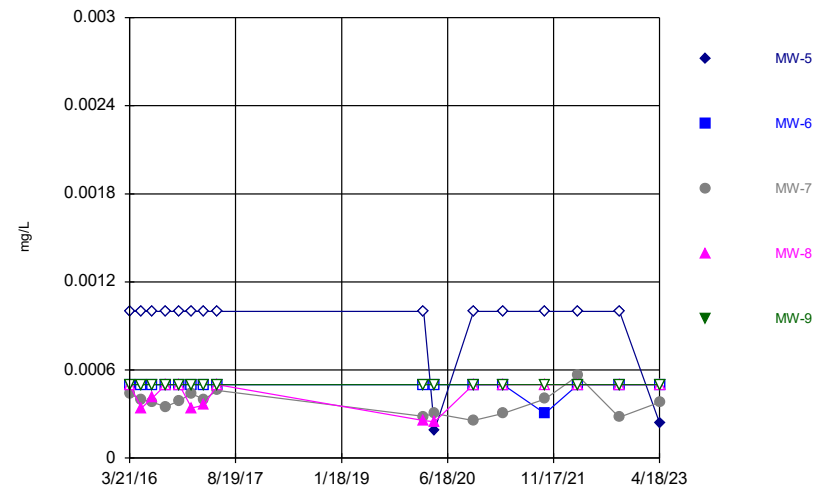
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### Time Series



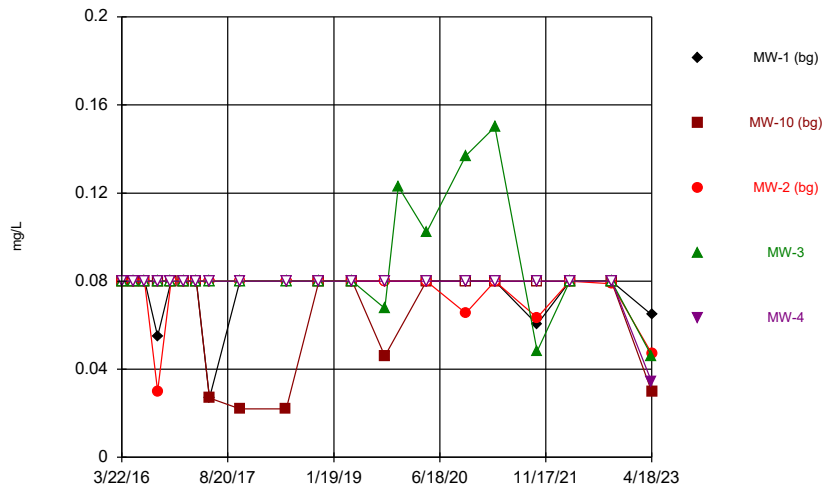
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



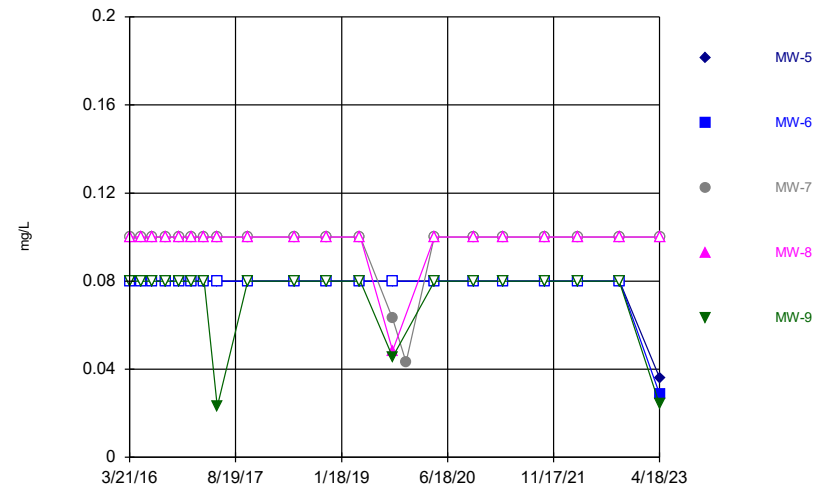
Constituent: Beryllium Analysis Run 6/7/2023 7:58 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



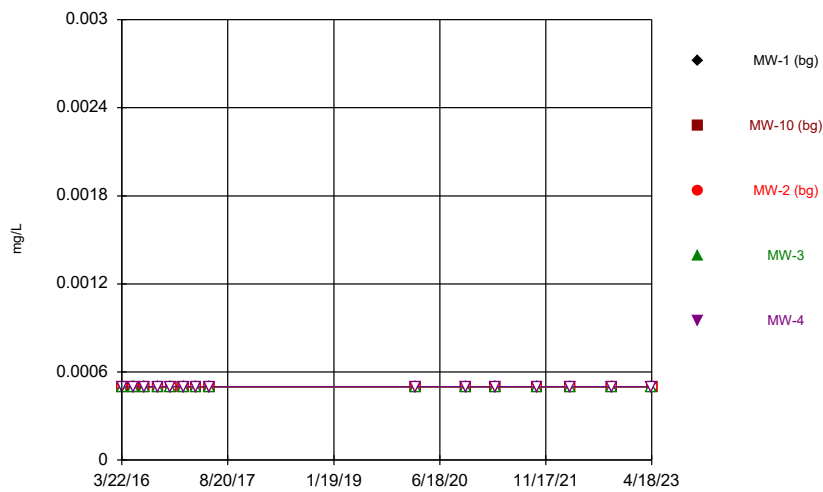
Constituent: Boron Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



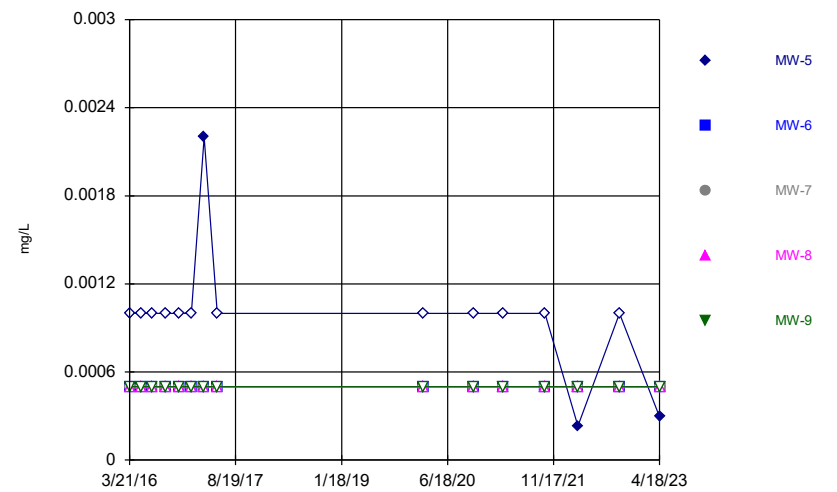
Constituent: Boron Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



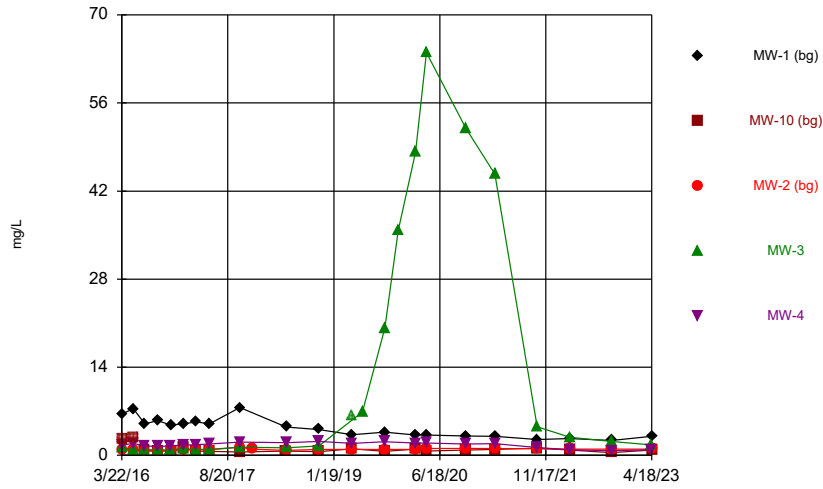
Constituent: Cadmium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



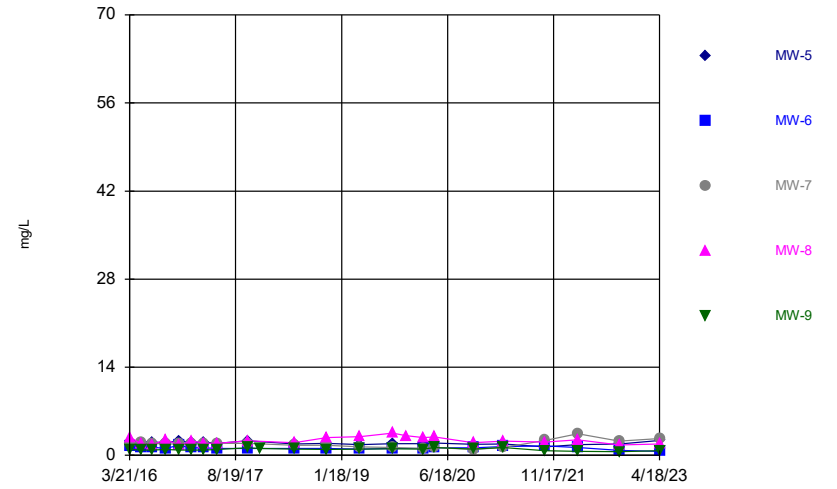
Constituent: Cadmium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



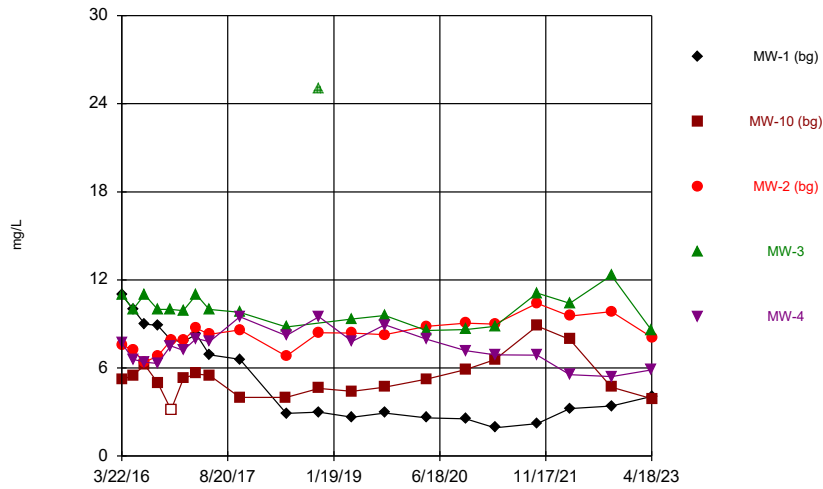
Constituent: Calcium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



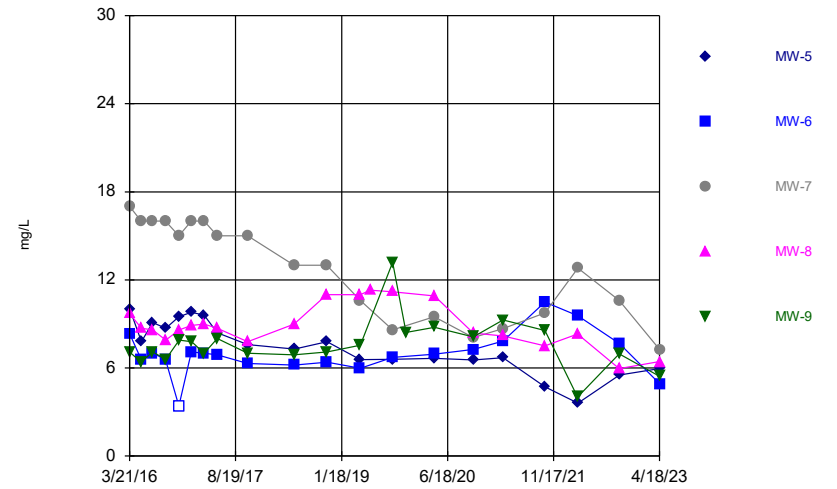
Constituent: Calcium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



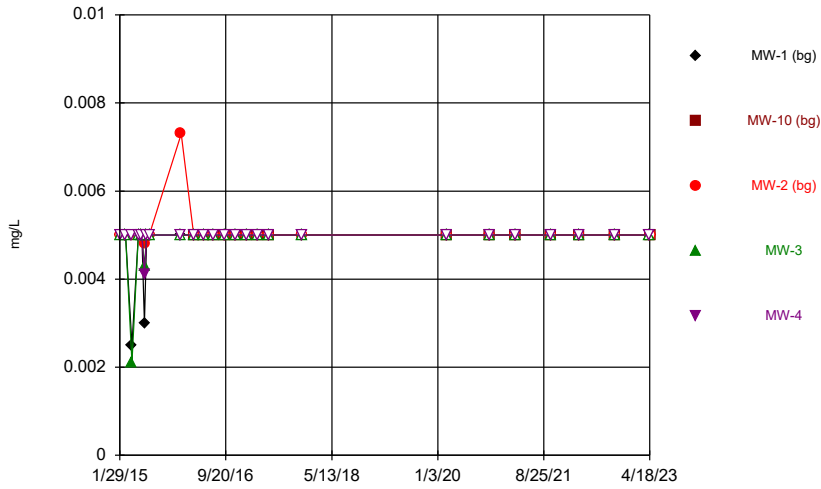
Constituent: Chloride Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



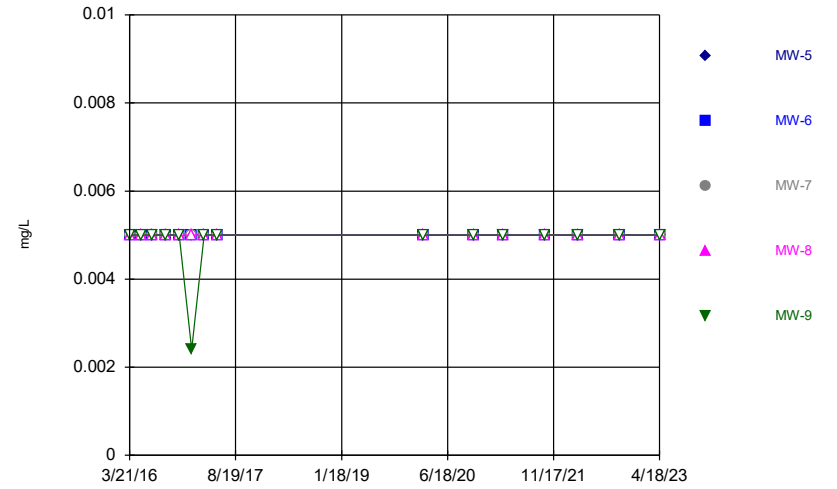
Constituent: Chloride Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



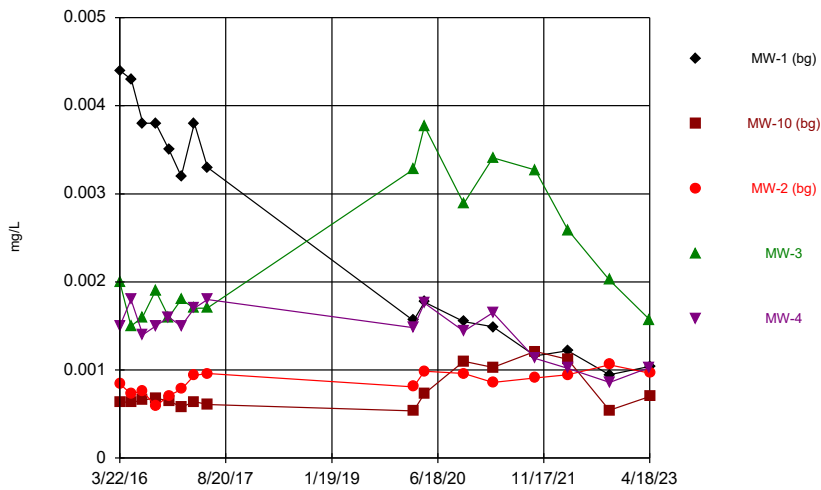
Constituent: Chromium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



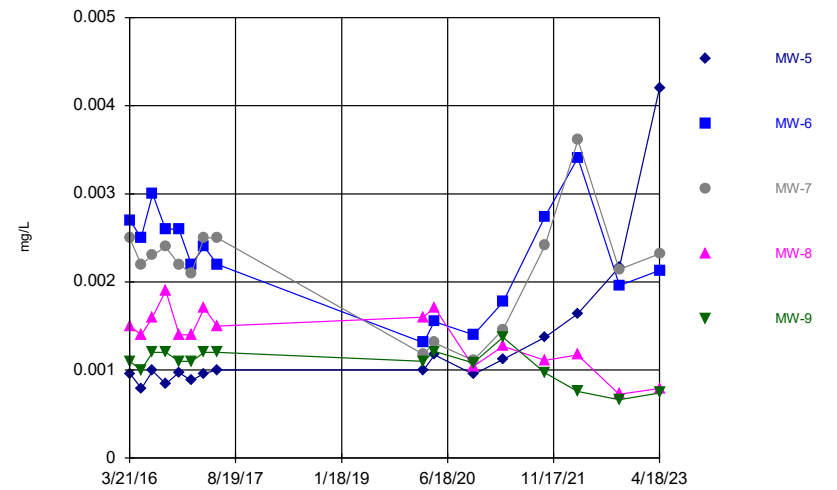
Constituent: Chromium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



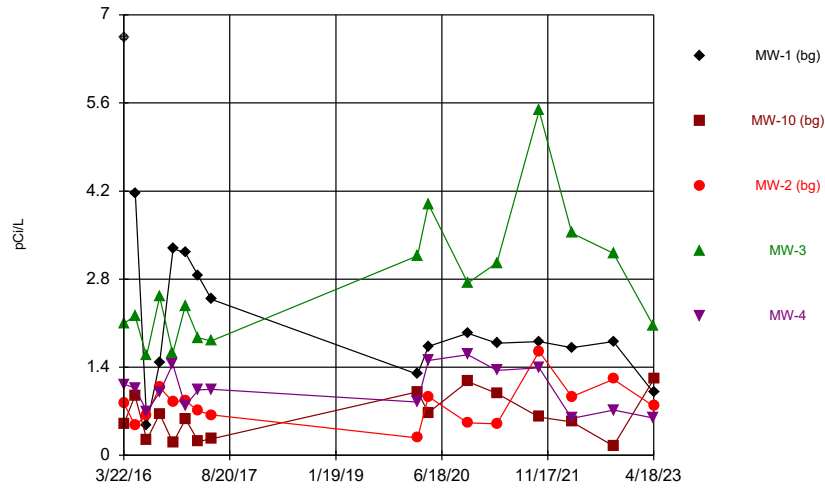
Constituent: Cobalt Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



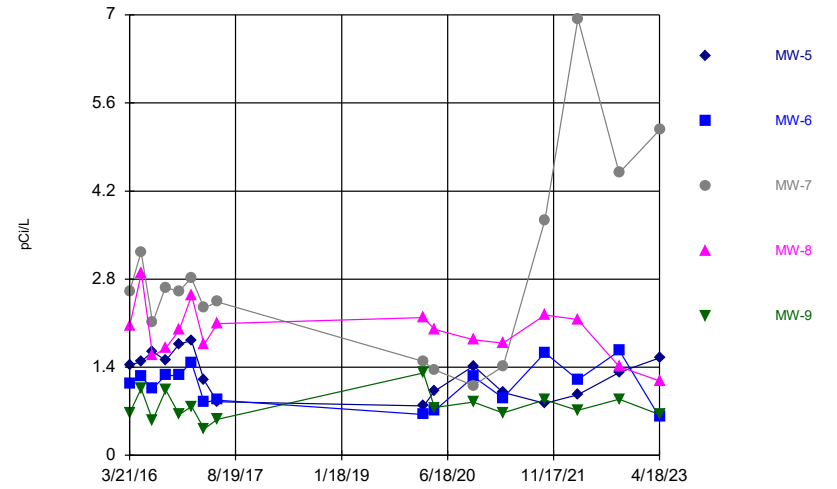
Constituent: Cobalt Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



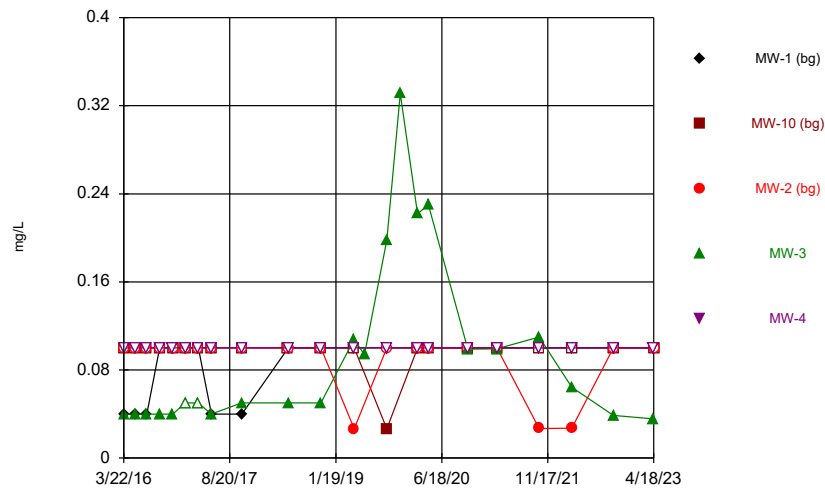
Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



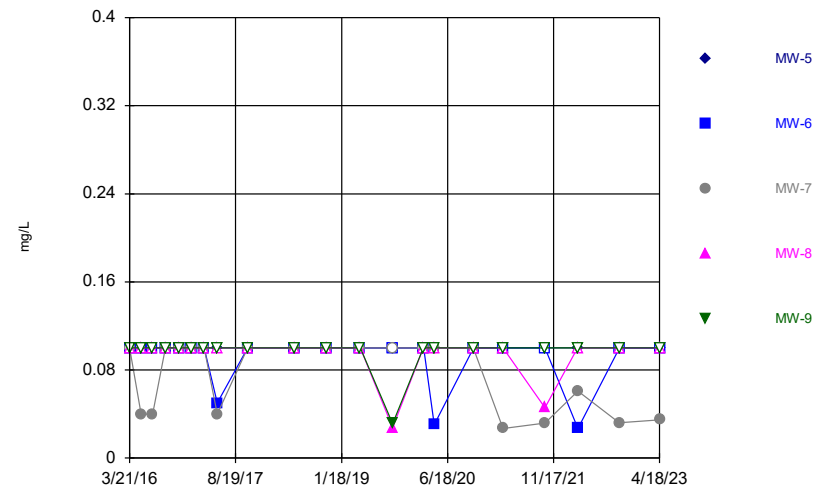
Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



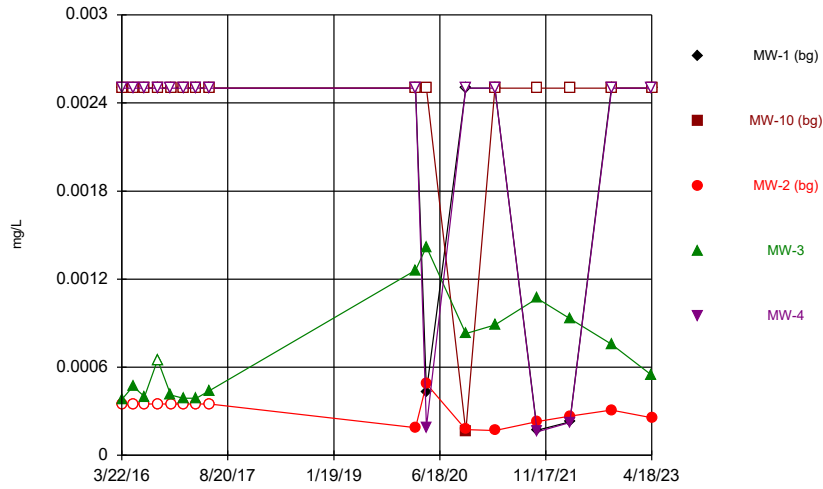
Constituent: Fluoride Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



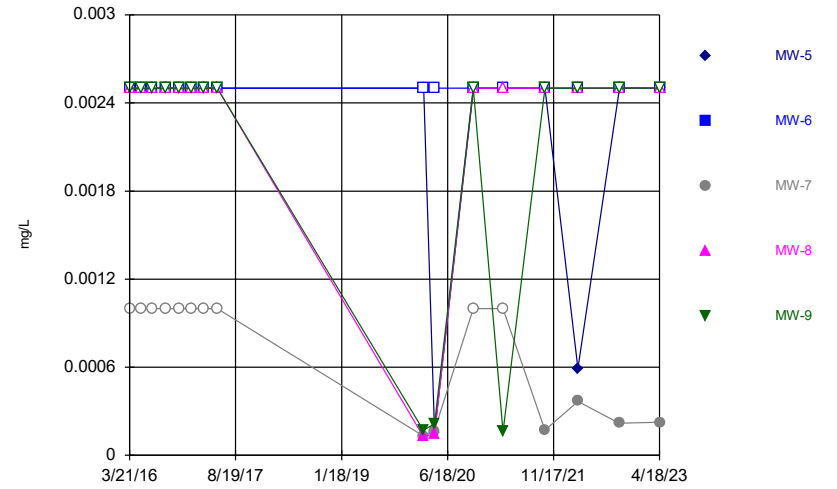
Constituent: Fluoride Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



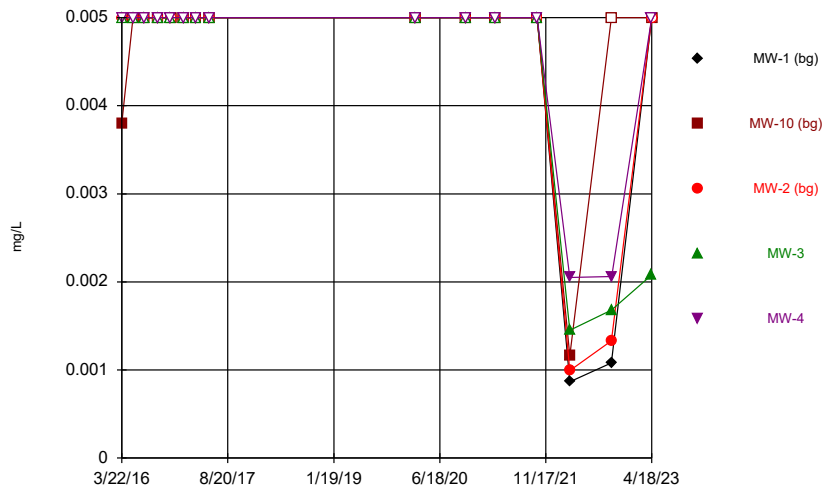
Constituent: Lead Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



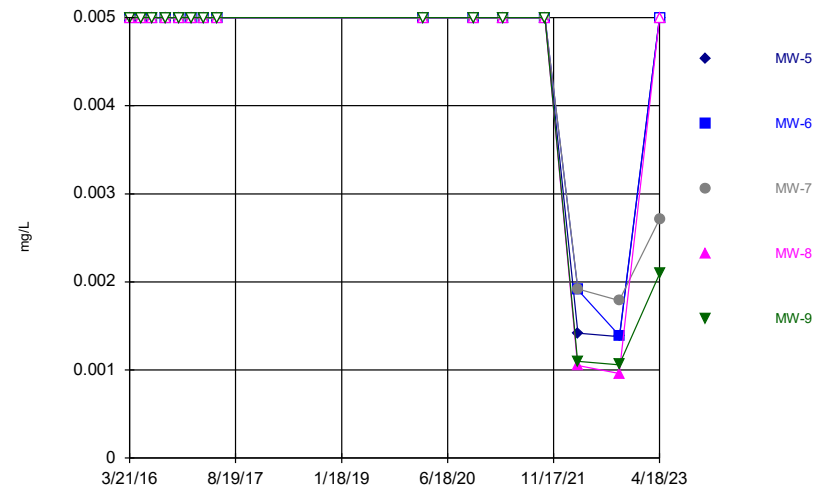
Constituent: Lead Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



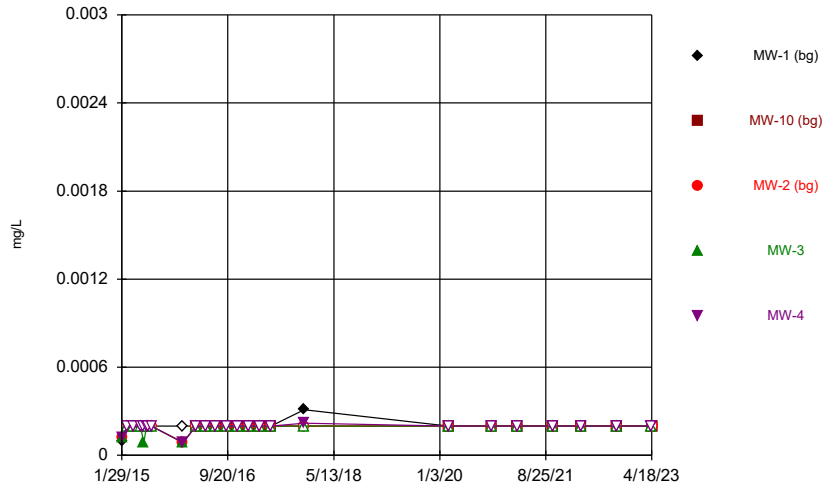
Constituent: Lithium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



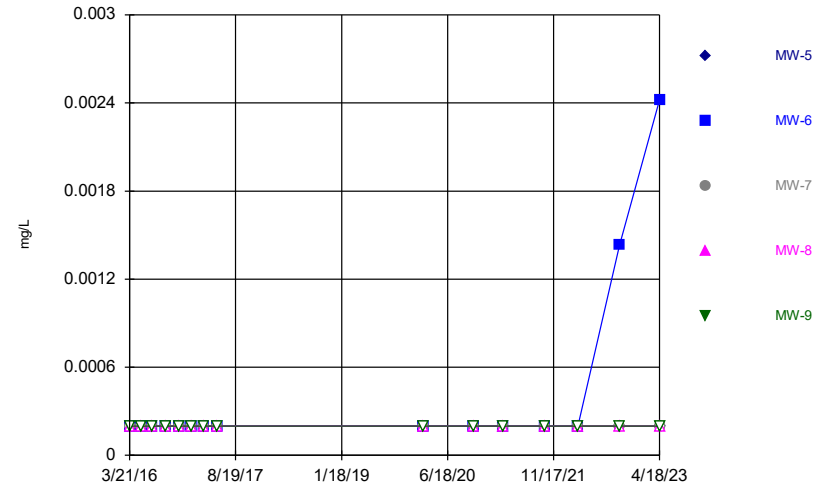
Constituent: Lithium Analysis Run 6/7/2023 7:58 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



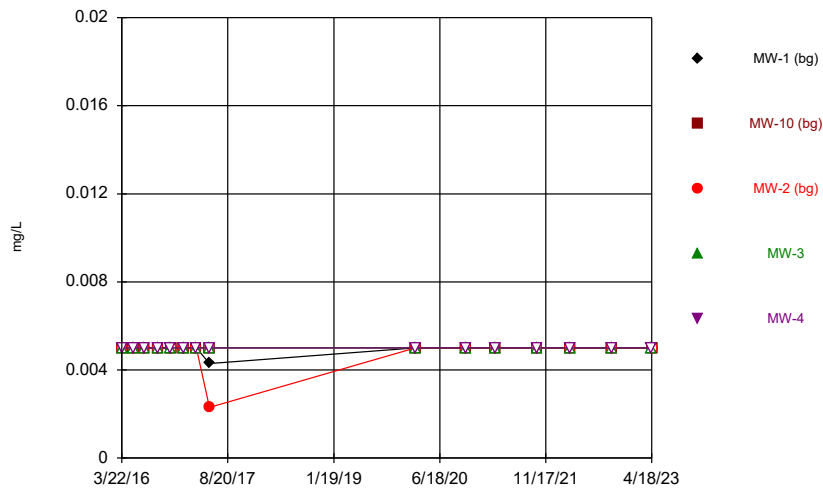
Constituent: Mercury Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



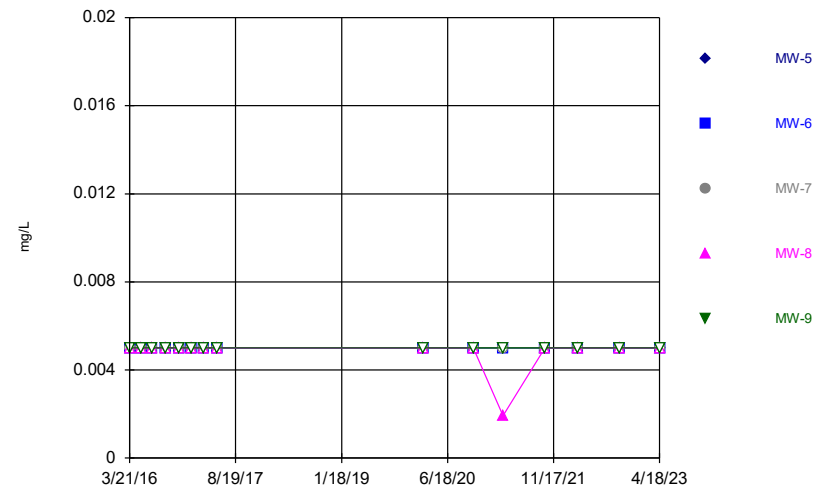
Constituent: Mercury Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



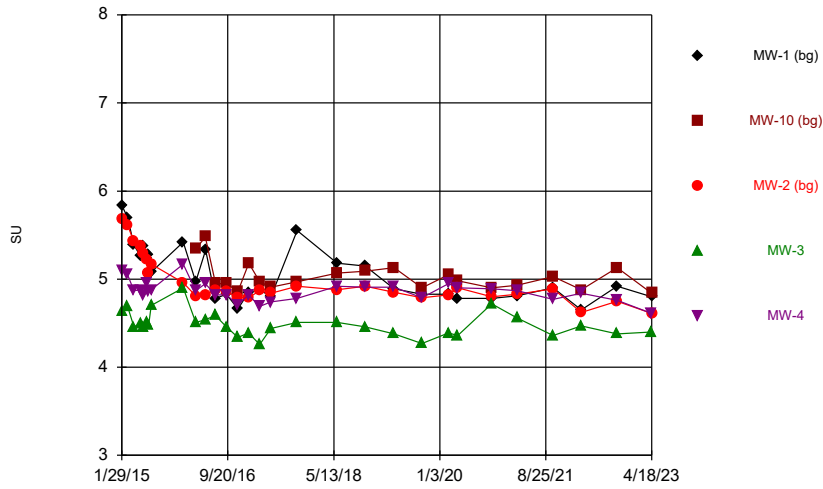
Constituent: Molybdenum Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



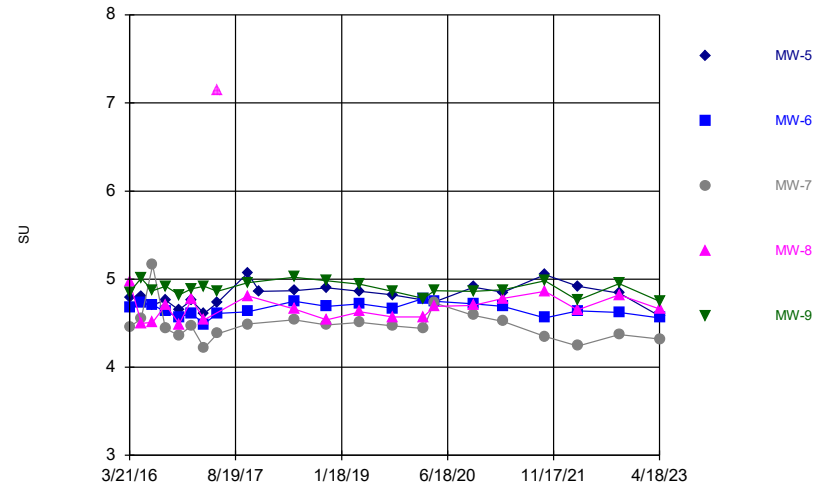
Constituent: Molybdenum Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



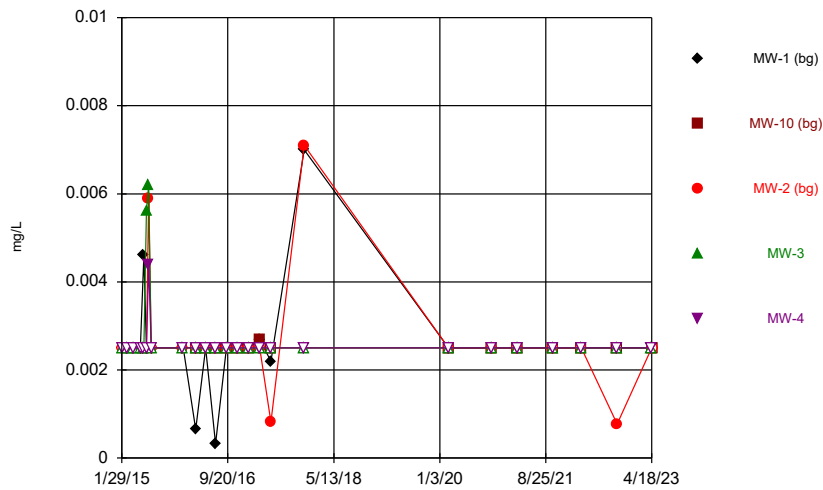
Constituent: pH Analysis Run 6/7/2023 7:59 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



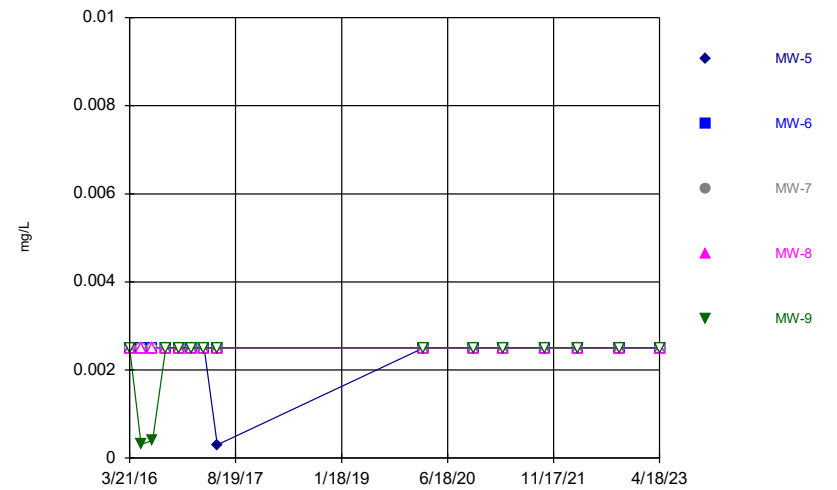
Constituent: pH Analysis Run 6/7/2023 7:59 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Selenium Analysis Run 6/7/2023 7:59 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

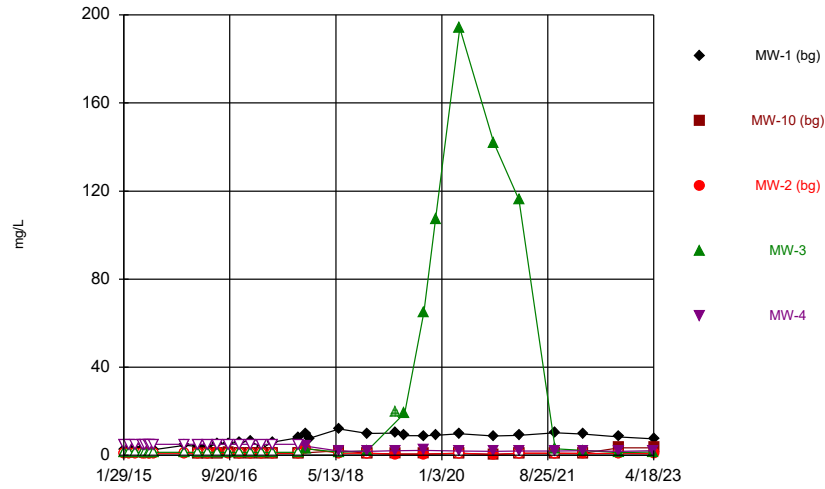
Time Series



Constituent: Selenium Analysis Run 6/7/2023 7:59 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

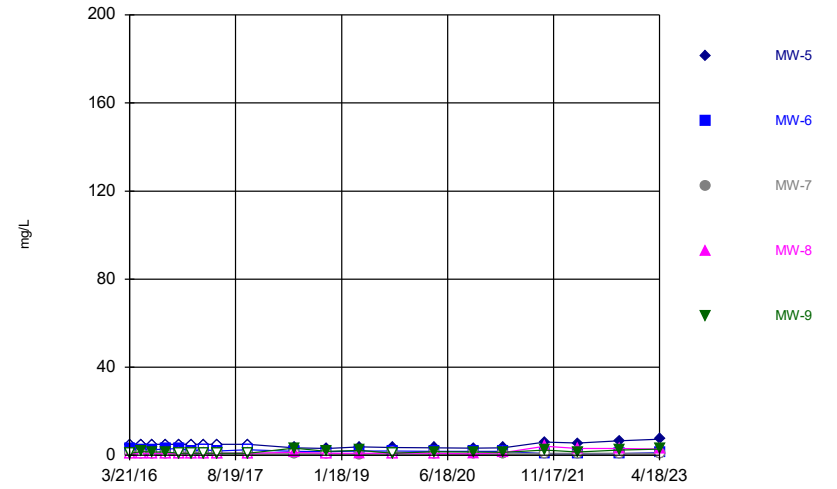


Time Series



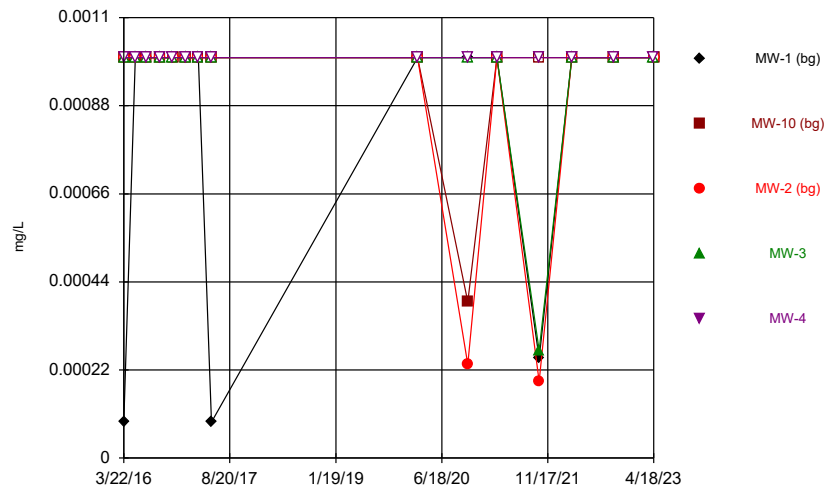
Constituent: Sulfate Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



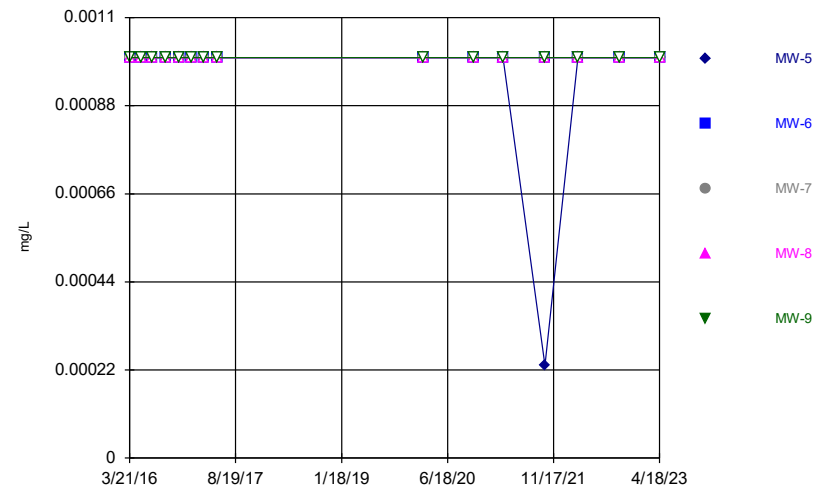
Constituent: Sulfate Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



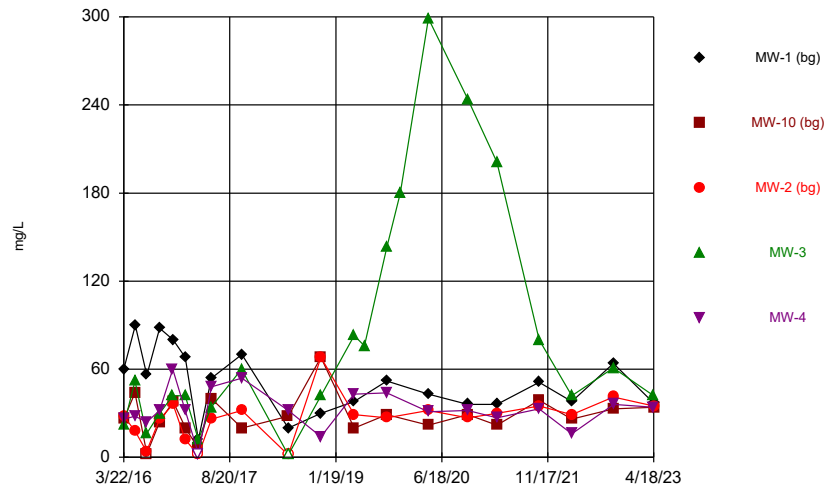
Constituent: Thallium Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



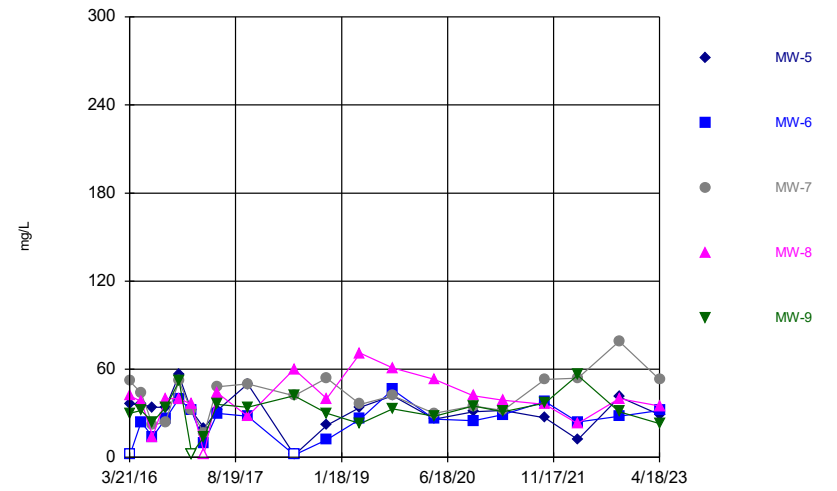
Constituent: Thallium Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



Constituent: Total Dissolved Solids Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



Constituent: Total Dissolved Solids Analysis Run 6/7/2023 7:59 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.005	0.0011 (J)	<0.005	<0.005	<0.005
5/16/2016		<0.005	<0.005	<0.005	<0.005
5/17/2016	<0.005				
7/11/2016			<0.005	<0.005	
7/12/2016	<0.005	<0.005			<0.005
9/12/2016				<0.005	
9/13/2016	<0.005	<0.005	<0.005		<0.005
11/16/2016				<0.005	<0.005
11/17/2016	<0.005	<0.005	<0.005		
1/16/2017	<0.005		<0.005	<0.005	<0.005
1/17/2017		<0.005			
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017				<0.005	
5/23/2017	<0.005	<0.005	<0.005		<0.005
2/21/2020		<0.005	<0.005		
2/22/2020	<0.005			<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	<0.005	<0.005	<0.005	<0.005	<0.005
10/3/2022	0.00063 (J)	<0.005	0.000699 (J)	<0.005	
10/4/2022					0.000671 (J)
4/17/2023				<0.005	<0.005
4/18/2023	<0.005	<0.005	<0.005		

# Time Series

Constituent: Antimony (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005			
5/16/2016		<0.005	<0.005		<0.005
5/17/2016	<0.005			<0.005	
7/11/2016		<0.005	<0.005	<0.005	<0.005
7/12/2016	<0.005				
9/12/2016		<0.005	<0.005		
9/13/2016	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005		
11/17/2016				<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005		
1/17/2017				<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017		<0.005	<0.005		
5/23/2017	<0.005			<0.005	<0.005
2/21/2020			<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005			
10/22/2020			<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022				<0.005	<0.005
3/15/2022	<0.005	<0.005	<0.005		
10/3/2022			<0.005	<0.005	<0.005
10/4/2022	<0.005	<0.005			
4/18/2023	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.003	<0.003	<0.003	<0.003	<0.003
5/16/2016		<0.003	<0.003	<0.003	<0.003
5/17/2016	<0.003				
7/11/2016			<0.003	<0.003	
7/12/2016	<0.003	<0.003			<0.003
9/12/2016				<0.003	
9/13/2016	<0.003	<0.003	<0.003		<0.003
11/16/2016				<0.003	<0.003
11/17/2016	<0.003	<0.003	<0.003		
1/16/2017	<0.003		<0.003 (*)	<0.003 (*)	<0.003
1/17/2017		<0.003			
3/20/2017	0.00054 (J)	<0.003	<0.003	<0.003	<0.003
5/22/2017				<0.003	
5/23/2017	0.00068 (J)	<0.003	<0.003		<0.003
2/21/2020		<0.003	<0.003		
2/22/2020	<0.003			0.00204	<0.003
4/14/2020				0.00361	
4/15/2020	0.000821 (J)	<0.003	0.000655 (J)		<0.003
10/23/2020	<0.003	0.000477 (J)	<0.003	0.00169	<0.003
3/15/2021	<0.003	0.00628	<0.003	0.0016	<0.003
10/6/2021	0.000469 (J)	<0.003	<0.003	<0.003	<0.003
3/14/2022	<0.003	<0.003	<0.003	<0.003	<0.003
10/3/2022	<0.003	<0.003	0.000349 (J)	<0.003	
10/4/2022					<0.003
4/17/2023				<0.003	<0.003
4/18/2023	<0.003	<0.003	<0.003		

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.003	<0.003	<0.003
3/22/2016	<0.003	<0.003			
5/16/2016		<0.003	<0.003		<0.003
5/17/2016	<0.003			<0.003	
7/11/2016		<0.003	<0.003	<0.003	<0.003
7/12/2016	<0.003				
9/12/2016		<0.003	<0.003		
9/13/2016	<0.003			<0.003	<0.003
11/16/2016	<0.003	<0.003	<0.003		
11/17/2016				<0.003	<0.003
1/16/2017	<0.003	<0.003	<0.003		
1/17/2017				<0.003	<0.003
3/20/2017	<0.003	<0.003	<0.003	<0.003	<0.003
5/22/2017		<0.003	<0.003		
5/23/2017	<0.003			<0.003	<0.003
2/21/2020			<0.003	<0.003	<0.003
2/22/2020	<0.003	<0.003			
4/14/2020		<0.003	<0.003		
4/15/2020	0.000332 (J)			<0.003	<0.003
10/22/2020			<0.003	<0.003	<0.003
10/23/2020	<0.003	<0.003			
3/15/2021	<0.003	<0.003	<0.003	<0.003	<0.003
10/6/2021	<0.003	<0.003	<0.003	<0.003	<0.003
3/14/2022				<0.003	<0.003
3/15/2022	<0.003	<0.003	<0.003		
10/3/2022			<0.003	<0.003	<0.003
10/4/2022	<0.003	<0.003			
4/18/2023	<0.003	<0.003	<0.003	<0.003	<0.003

# Time Series

Constituent: Barium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	0.12		0.043	0.095	0.05
3/3/2015	0.12		0.045	0.1	0.05
4/7/2015	0.12		0.042	0.1	0.055
5/14/2015	0.15		0.037	0.096	0.051
6/3/2015	0.15		0.038	0.1	0.052
6/18/2015	0.16		0.04	0.095	0.06
6/30/2015	0.15		0.036	0.093	0.05
7/15/2015	0.17		0.038	0.1	0.048
1/11/2016	0.19		0.052	0.11	0.051
3/22/2016	0.22	0.041	0.044	0.11	0.052
5/16/2016		0.044	0.042	0.096	0.058
5/17/2016	0.21				
7/11/2016			0.038	0.092	
7/12/2016	0.18	0.029			0.048
9/12/2016				0.11	
9/13/2016	0.19	0.027	0.041		0.055
11/16/2016				0.094	0.054
11/17/2016	0.17	0.026	0.04		
1/16/2017	0.18		0.048	0.1	0.055
1/17/2017		0.03			
3/20/2017	0.19	0.026	0.053	0.096	0.059
5/22/2017				0.1	
5/23/2017	0.19	0.027	0.058		0.066
11/27/2017	0.14		0.052	0.1	0.072
2/21/2020		0.0267	0.055		
2/22/2020	0.108			0.165	0.0696
4/14/2020				0.17	
4/15/2020	0.107	0.0259	0.0512		0.0658
10/23/2020	0.101	0.0311	0.0508	0.139	0.0598
3/15/2021	0.0989	0.035	0.0545	0.129	0.0635
10/6/2021	0.0898	0.0392	0.0548	0.195	0.047
3/14/2022	0.0978	0.0332	0.0576	0.164	0.0436
10/3/2022	0.0815	0.0164	0.0625	0.135	
10/4/2022					0.0364
4/17/2023				0.0944	0.0408
4/18/2023	0.106	0.0229	0.0556		

# Time Series

Constituent: Barium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			0.16	0.11	0.043
3/22/2016	0.066	0.076			
5/16/2016		0.12	0.16		0.032
5/17/2016	0.048			0.093	
7/11/2016		0.068	0.15	0.1	0.037
7/12/2016	0.066				
9/12/2016		0.068	0.16		
9/13/2016	0.068			0.12	0.04
11/16/2016	0.067	0.07	0.15		
11/17/2016				0.1	0.041
1/16/2017	0.065	0.065	0.15		
1/17/2017				0.1	0.039
3/20/2017	0.067	0.066	0.17	0.11	0.035
5/22/2017		0.064	0.17		
5/23/2017	0.067			0.11	0.044
2/21/2020			0.0988	0.143	0.0572
2/22/2020	0.0673	0.0557			
4/14/2020		0.0549	0.0891		
4/15/2020	0.0641			0.133	0.0459
10/22/2020			0.0755	0.0836	0.0425
10/23/2020	0.0603	0.0554			
3/15/2021	0.065	0.0599	0.0943	0.0905	0.0499
10/6/2021	0.0508	0.0843	0.155	0.089	0.0305
3/14/2022				0.117	0.0278
3/15/2022	0.0515	0.0789	0.3		
10/3/2022			0.195	0.0757	0.0307
10/4/2022	0.0611	0.0549			
4/18/2023	0.0814	0.0432	0.198	0.0785	0.0356



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	0.00046 (B1J)	<0.0005	<0.0005	<0.00034	<0.0005
5/16/2016		<0.0005	<0.0005	<0.00034	<0.0005
5/17/2016	0.00048 (J)				
7/11/2016			<0.0005	<0.00034	
7/12/2016	0.00039 (J)	<0.0005			<0.0005
9/12/2016				<0.00034	
9/13/2016	<0.0005	<0.0005	<0.0005		<0.0005
11/16/2016				<0.00034	<0.0005
11/17/2016	<0.0005	<0.0005	<0.0005		
1/16/2017	0.00035 (J)		<0.0005	<0.00034	<0.0005
1/17/2017		<0.0005			
3/20/2017	0.00037 (J)	<0.0005	<0.0005	<0.00034	<0.0005
5/22/2017				<0.00034	
5/23/2017	0.00041 (J)	<0.0005	<0.0005		<0.0005
2/21/2020		<0.0005	<0.0005		
2/22/2020	<0.0005			0.000486 (J)	<0.0005
4/14/2020				0.000629 (J)	
4/15/2020	0.000388 (J)	<0.0005	0.000378 (J)		<0.0005
10/23/2020	<0.0005	0.000366 (J)	<0.0005	0.000486 (J)	<0.0005
3/15/2021	<0.0005	<0.0005	<0.0005	0.00044 (J)	<0.0005
10/6/2021	<0.0005	<0.0005	<0.0005	0.000569 (J)	0.000186 (J)
3/14/2022	<0.0005	<0.0005	<0.0005	0.000406 (J)	<0.0005
10/3/2022	<0.0005	<0.0005	<0.0005	0.000349 (J)	
10/4/2022					<0.0005
4/17/2023				0.00029 (J)	<0.0005
4/18/2023	<0.0005	<0.0005	<0.0005		

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			0.00044 (B1J)	<0.0005	<0.0005
3/22/2016	<0.001	<0.0005			
5/16/2016		<0.0005	0.0004 (J)		<0.0005
5/17/2016	<0.001			0.00034 (J)	
7/11/2016		<0.0005	0.00038 (J)	0.00041 (J)	<0.0005
7/12/2016	<0.001				
9/12/2016		<0.0005	0.00035 (J)		
9/13/2016	<0.001			<0.0005	<0.0005
11/16/2016	<0.001	<0.0005	0.00039 (J)		
11/17/2016				<0.0005	<0.0005
1/16/2017	<0.001	<0.0005	0.00044 (J)		
1/17/2017				0.00034 (J)	<0.0005
3/20/2017	<0.001	<0.0005	0.0004 (J)	0.00036 (J)	<0.0005
5/22/2017		<0.0005	0.00046 (J)		
5/23/2017	<0.001			<0.0005	<0.0005
2/21/2020			0.000284 (J)	0.000255 (J)	<0.0005
2/22/2020	<0.001	<0.0005			
4/14/2020		<0.0005	0.000304 (J)		
4/15/2020	0.000191 (J)			0.000248 (J)	<0.0005
10/22/2020			0.000257 (J)	<0.0005	<0.0005
10/23/2020	<0.001	<0.0005			
3/15/2021	<0.001	<0.0005	0.000303 (J)	<0.0005	<0.0005
10/6/2021	<0.001	0.000303 (J)	0.000403 (J)	<0.0005	<0.0005
3/14/2022				<0.0005	<0.0005
3/15/2022	<0.001	<0.0005	0.000562 (J)		
10/3/2022			0.000278 (J)	<0.0005	<0.0005
10/4/2022	<0.001	<0.0005			
4/18/2023	0.00024 (J)	<0.0005	0.00038 (J)	<0.0005	<0.0005

# Time Series

Constituent: Boron (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.08	<0.08	<0.08	<0.08	<0.08
5/16/2016		<0.08	<0.08	<0.08	<0.08
5/17/2016	<0.08				
7/11/2016			<0.08	<0.08	
7/12/2016	<0.08	<0.08			<0.08
9/12/2016				<0.08	
9/13/2016	0.055	<0.08	0.03 (J)		<0.08
11/16/2016				<0.08	<0.08
11/17/2016	<0.08	<0.08	<0.08		
1/16/2017	<0.08		<0.08	<0.08	<0.08
1/17/2017		<0.08			
3/20/2017	<0.08	<0.08	<0.08	<0.08	<0.08
5/22/2017				<0.08	
5/23/2017	0.027 (J)	0.027 (J)	<0.08		<0.08
10/17/2017				<0.08	
10/18/2017	<0.08	0.022 (J)	<0.08		<0.08
6/1/2018		0.022 (J)			
6/2/2018	<0.08		<0.08	<0.08	<0.08
11/7/2018				<0.08	
11/8/2018	<0.08	<0.08	<0.08		<0.08
4/19/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/25/2019	<0.08	0.046 (J)	<0.08	0.0677	<0.08
11/29/2019				0.123	
4/14/2020				0.102	
4/15/2020	<0.08	<0.08	<0.08		<0.08
10/23/2020	<0.08	<0.08	0.0654 (J)	0.137	<0.08
3/15/2021	<0.08	<0.08	<0.08	0.15	<0.08
10/6/2021	0.0603 (J)	<0.08	0.0634 (J)	0.0481 (J)	<0.08
3/14/2022	<0.08	<0.08	<0.08	<0.08	<0.08
10/3/2022	<0.08	<0.08	0.0788 (J)	<0.08	
10/4/2022					<0.08
4/17/2023				0.046 (J)	0.0342 (J)
4/18/2023	0.0647 (J)	0.0299 (J)	0.0472 (J)		

# Time Series

Constituent: Boron (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.1	<0.1	<0.08
3/22/2016	<0.08	<0.08			
5/16/2016		<0.08	<0.1		<0.08
5/17/2016	<0.08			<0.1	
7/11/2016		<0.08	<0.1	<0.1	<0.08
7/12/2016	<0.08				
9/12/2016		<0.08	<0.1		
9/13/2016	<0.08			<0.1	<0.08
11/16/2016	<0.08	<0.08	<0.1		
11/17/2016				<0.1	<0.08
1/16/2017	<0.08	<0.08	<0.1		
1/17/2017				<0.1	<0.08
3/20/2017	<0.08	<0.08	<0.1	<0.1	<0.08
5/22/2017		<0.08	<0.1		
5/23/2017	<0.08			<0.1	0.023 (J)
10/18/2017	<0.08	<0.08	<0.1	<0.1	<0.08
6/1/2018			<0.1	<0.1	<0.08
6/2/2018	<0.08	<0.08			
11/7/2018			<0.1	<0.1	
11/8/2018	<0.08	<0.08			<0.08
4/19/2019	<0.08	<0.08	<0.1	<0.1	<0.08
9/25/2019	<0.08	<0.08	0.063	0.0484 (J)	0.0455 (J)
11/29/2019			0.0432 (J)		
4/14/2020		<0.08	<0.1		
4/15/2020	<0.08			<0.1	<0.08
10/22/2020			<0.1	<0.1	<0.08
10/23/2020	<0.08	<0.08			
3/15/2021	<0.08	<0.08	<0.1	<0.1	<0.08
10/6/2021	<0.08	<0.08	<0.1	<0.1	<0.08
3/14/2022				<0.1	<0.08
3/15/2022	<0.08	<0.08	<0.1		
10/3/2022			<0.1	<0.1	<0.08
10/4/2022	<0.08	<0.08			
4/18/2023	0.0362 (J)	0.0289 (J)	<0.1	<0.1	0.024 (J)

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
5/16/2016		<0.0005	<0.0005	<0.0005	<0.0005
5/17/2016	<0.0005				
7/11/2016			<0.0005	<0.0005	
7/12/2016	<0.0005	<0.0005			<0.0005
9/12/2016				<0.0005	
9/13/2016	<0.0005	<0.0005	<0.0005		<0.0005
11/16/2016				<0.0005	<0.0005
11/17/2016	<0.0005	<0.0005	<0.0005		
1/16/2017	<0.0005		<0.0005	<0.0005	<0.0005
1/17/2017		<0.0005			
3/20/2017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
5/22/2017				<0.0005	
5/23/2017	<0.0005	<0.0005	<0.0005		<0.0005
2/21/2020		<0.0005	<0.0005		
2/22/2020	<0.0005			<0.0005	<0.0005
10/23/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/15/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10/6/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/14/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10/3/2022	<0.0005	<0.0005	<0.0005	<0.0005	
10/4/2022					<0.0005
4/17/2023				<0.0005	<0.0005
4/18/2023	<0.0005	<0.0005	<0.0005		

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.0005	<0.0005	<0.0005
3/22/2016	<0.001	<0.0005			
5/16/2016		<0.0005	<0.0005		<0.0005
5/17/2016	<0.001			<0.0005	
7/11/2016		<0.0005	<0.0005	<0.0005	<0.0005
7/12/2016	<0.001				
9/12/2016		<0.0005	<0.0005		
9/13/2016	<0.001			<0.0005	<0.0005
11/16/2016	<0.001	<0.0005	<0.0005		
11/17/2016				<0.0005	<0.0005
1/16/2017	<0.001	<0.0005	<0.0005		
1/17/2017				<0.0005	<0.0005
3/20/2017	0.0022 (J)	<0.0005	<0.0005	<0.0005	<0.0005
5/22/2017		<0.0005	<0.0005		
5/23/2017	<0.001			<0.0005	<0.0005
2/21/2020			<0.0005	<0.0005	<0.0005
2/22/2020	<0.001	<0.0005			
10/22/2020			<0.0005	<0.0005	<0.0005
10/23/2020	<0.001	<0.0005			
3/15/2021	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
10/6/2021	<0.001	<0.0005	<0.0005	<0.0005	<0.0005
3/14/2022				<0.0005	<0.0005
3/15/2022	0.000233 (J)	<0.0005	<0.0005	<0.0005	<0.0005
10/3/2022			<0.0005	<0.0005	<0.0005
10/4/2022	<0.001	<0.0005			
4/18/2023	0.000295 (J)	<0.0005	<0.0005	<0.0005	<0.0005

# Time Series

Constituent: Calcium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	6.6	2.7 (o)	0.87	1.2	1.6
5/16/2016		2.9 (o)	0.79	0.92	1.9
5/17/2016	7.4				
7/11/2016			0.67	0.78	
7/12/2016	5	0.89			1.5
9/12/2016				0.94	
9/13/2016	5.5	0.74	0.62		1.4
11/16/2016				0.81	1.5
11/17/2016	4.8	0.69	0.78		
1/16/2017	5		0.85	1	1.6
1/17/2017		1.2			
3/20/2017	5.3	0.66	0.96	0.92	1.7
5/22/2017				0.91	
5/23/2017	5	0.61	0.94		1.8
10/17/2017				1.3	
10/18/2017	7.6	0.55	1.3		2.1
12/19/2017			1 (RS)		
6/1/2018		0.7			
6/2/2018	4.5		0.81	1.2	2
11/7/2018				1.5	
11/8/2018	4.1	0.59	0.95		2.2
4/19/2019	3.26	1.03	0.942	6.3 (o)	1.88
6/7/2019				6.91	
9/25/2019	3.68	0.625	0.935	20.2	2.18
11/29/2019				35.8	
2/21/2020		1.01	0.931		
2/22/2020	3.21			48.2	1.94
4/14/2020				64	
4/15/2020	3.25	0.69	1.1		1.96
10/23/2020	3.06	0.856	1.11	52	1.82
3/15/2021	3.04	0.935	1.11	44.7	1.84
10/6/2021	2.49	1.16	1.04	4.54	1.22
3/14/2022	2.65	0.857	0.982	2.87	0.873
10/3/2022	2.37	0.415 (J)	0.969	2.19	
10/4/2022					0.755
4/17/2023				1.66	0.894
4/18/2023	3.03	0.853	0.98		

# Time Series

Constituent: Calcium (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			1.9	2.9	0.94
3/22/2016	2.1	1.4			
5/16/2016		1.3	2		0.85
5/17/2016	1.6			1.8	
7/11/2016		1.3	1.9	1.7	0.82
7/12/2016	2.1				
9/12/2016		1.1	1.8		
9/13/2016	2			2.5	0.94
11/16/2016	2.3	1.6	1.8		
11/17/2016				1.6	0.85
1/16/2017	2	1.2	1.8		
1/17/2017				2.3	0.83
3/20/2017	2.1	1.2	1.9	1.9	0.84
5/22/2017		1.1	1.9		
5/23/2017	1.9			1.9	0.96
10/18/2017	2.3	1.1	1.9	2.3	1.2
12/19/2017					1.1 (RS)
6/1/2018			1.6	2	0.98
6/2/2018	1.8	1.1			
11/7/2018			1.6	2.8	
11/8/2018	1.9	1.1			0.93
4/19/2019	1.7	0.998	1.34	2.99	1
9/25/2019	1.85	1.09	1.25	3.51	1.06
11/29/2019				3.1	
2/21/2020			1.07	2.83	0.966
2/22/2020	1.87	1.09			
4/14/2020		1.2	1.23		
4/15/2020	1.97			2.94	1.22
10/22/2020			0.93	2.01	0.988
10/23/2020	1.75	1.17			
3/15/2021	1.79	1.4	1.23	2.26	1.26
10/6/2021	1.34	1.5	2.38	2.11	0.748
3/14/2022				2.46	0.609
3/15/2022	1.7	1.22	3.45		
10/3/2022			2.28	1.66	0.581
10/4/2022	1.78	0.804			
4/18/2023	2.34	0.649	2.68	1.81	0.757



# Time Series

Constituent: Chloride (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	11	5.2	7.6	11	7.7
5/16/2016		5.5	7.2	10	6.6
5/17/2016	10				
7/11/2016			6.4	11	
7/12/2016	9	6.2			6.4
9/12/2016				10	
9/13/2016	8.9	5	6.8		6.3
11/16/2016				10	7.5
11/17/2016	7.9	<6.3	7.9		
1/16/2017	7.8		7.9	9.9	7.2
1/17/2017		5.3			
3/20/2017	8.3	5.6	8.7	11	8
5/22/2017				10	
5/23/2017	6.9	5.5	8.3		7.8
10/17/2017				9.8	
10/18/2017	6.6	4	8.6		9.5
6/1/2018		4			
6/2/2018	2.9		6.8	8.8	8.2
11/7/2018				25 (o)	
11/8/2018	3	4.6	8.4		9.5
4/19/2019	2.65	4.41	8.38	9.34	7.82
9/25/2019	2.93	4.69	8.26	9.57	8.94
4/14/2020				8.55	
4/15/2020	2.61	5.24	8.84		7.96
10/23/2020	2.53	5.9	9.06	8.62	7.18
3/15/2021	1.93	6.57	8.99	8.83	6.9
10/6/2021	2.22	8.86	10.4	11.1	6.88
3/14/2022	3.24	7.95	9.54	10.4	5.55
10/3/2022	3.41	4.7	9.85	12.3	
10/4/2022					5.41
4/17/2023				8.55	5.87
4/18/2023	4.07	3.91	8.09		

# Time Series

Constituent: Chloride (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			17	9.7	7.1
3/22/2016	10	8.3			
5/16/2016		6.6	16		6.4
5/17/2016	7.8			8.7	
7/11/2016		7	16	8.6	7.1
7/12/2016	9.1				
9/12/2016		6.6	16		
9/13/2016	8.7			7.9	6.6
11/16/2016	9.5	<6.8	15		
11/17/2016				8.6	7.9
1/16/2017	9.8	7.1	16		
1/17/2017				8.9	7.8
3/20/2017	9.6	7	16	9	7
5/22/2017		6.9	15		
5/23/2017	8.4			8.7	8
10/18/2017	7.6	6.3	15	7.8	7
6/1/2018			13	9	6.9
6/2/2018	7.3	6.2			
11/7/2018			13	11	
11/8/2018	7.8	6.4			7.1
4/19/2019	6.57	5.99	10.6	11	7.55
6/7/2019				11.3	
9/25/2019	6.59	6.72	8.59	11.2	13.2
11/29/2019					8.42
4/14/2020		6.94	9.49		
4/15/2020	6.65			10.9	8.78
10/22/2020			8.07	8.39	8.11
10/23/2020	6.54	7.26			
3/15/2021	6.69	7.83	8.68	8.19	9.27
10/6/2021	4.72	10.5	9.75	7.5	8.56
3/14/2022				8.31	4.03
3/15/2022	3.61	9.56	12.8		
10/3/2022			10.6	5.95	6.96
10/4/2022	5.53	7.67			
4/18/2023	5.97	4.93	7.27	6.43	5.44

# Time Series

Constituent: Chromium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	<0.005		<0.005	<0.005	<0.005
3/3/2015	<0.005		<0.005	<0.005	<0.005
4/7/2015	0.0025 (J)		<0.005	0.0021 (J)	<0.005
5/14/2015	<0.005		<0.005	<0.005	<0.005
6/3/2015	<0.005		<0.005	<0.005	<0.005
6/18/2015	0.003 (J)		0.0048 (J)	0.0043 (J)	0.0041 (J)
6/30/2015	<0.005		<0.005	<0.005	<0.005
7/15/2015	<0.005		<0.005	<0.005	<0.005
1/11/2016	<0.005		0.0073 (J)	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005
5/16/2016		<0.005	<0.005	<0.005	<0.005
5/17/2016	<0.005				
7/11/2016			<0.005	<0.005	
7/12/2016	<0.005	<0.005			<0.005
9/12/2016				<0.005	
9/13/2016	<0.005	<0.005	<0.005		<0.005
11/16/2016				<0.005	<0.005
11/17/2016	<0.005	<0.005	<0.005		
1/16/2017	<0.005		<0.005	<0.005	<0.005
1/17/2017		<0.005			
3/20/2017	0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017				<0.005	
5/23/2017	<0.005	<0.005	<0.005		<0.005
11/27/2017	<0.005		<0.005	<0.005	<0.005
2/21/2020		<0.005	<0.005		
2/22/2020	<0.005			<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	<0.005	<0.005	<0.005	<0.005	<0.005
10/3/2022	<0.005	<0.005	<0.005	<0.005	
10/4/2022					<0.005
4/17/2023				<0.005	<0.005
4/18/2023	<0.005	<0.005	<0.005		

# Time Series

Constituent: Chromium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005			
5/16/2016		<0.005	<0.005		<0.005
5/17/2016	<0.005			<0.005	
7/11/2016		<0.005	<0.005	<0.005	<0.005
7/12/2016	<0.005				
9/12/2016		<0.005	<0.005		
9/13/2016	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005		
11/17/2016				<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005		
1/17/2017				<0.005	0.0024 (J)
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017		<0.005	<0.005		
5/23/2017	<0.005			<0.005	<0.005
2/21/2020			<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005			
10/22/2020			<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022				<0.005	<0.005
3/15/2022	<0.005	<0.005	<0.005		
10/3/2022			<0.005	<0.005	<0.005
10/4/2022	<0.005	<0.005			
4/18/2023	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	0.0044	0.00064 (B1J)	0.00084 (B1J)	0.002 (B1J)	0.0015 (B1J)
5/16/2016		0.00063 (J)	0.00073 (J)	0.0015 (J)	0.0018 (J)
5/17/2016	0.0043				
7/11/2016			0.00076 (J)	0.0016 (J)	
7/12/2016	0.0038	0.00066 (J)			0.0014 (J)
9/12/2016				0.0019 (J)	
9/13/2016	0.0038	0.00068 (J)	0.00059 (J)		0.0015 (J)
11/16/2016				0.0016 (J)	0.0016 (J)
11/17/2016	0.0035	0.00065 (J)	0.00071 (J)		
1/16/2017	0.0032		0.00078 (J)	0.0018 (J)	0.0015 (J)
1/17/2017		0.00058 (J)			
3/20/2017	0.0038	0.00064 (J)	0.00094 (J)	0.0017 (J)	0.0017 (J)
5/22/2017				0.0017 (J)	
5/23/2017	0.0033	0.00061 (J)	0.00096 (J)		0.0018 (J)
2/21/2020		0.000536 (J)	0.000809 (J)		
2/22/2020	0.00156 (J)			0.00328	0.00148 (J)
4/14/2020				0.00377	
4/15/2020	0.00177 (J)	0.000731 (J)	0.000986 (J)		0.00176 (J)
10/23/2020	0.00155	0.0011	0.000961	0.00289	0.00144
3/15/2021	0.00149	0.00103	0.000859	0.00341	0.00165
10/6/2021	0.00116	0.00121	0.000908	0.00327	0.00113
3/14/2022	0.00122	0.00112	0.000945	0.00259	0.00102
10/3/2022	0.000947	0.000543	0.00106	0.00202	
10/4/2022					0.00086
4/17/2023				0.00157	0.00103
4/18/2023	0.00104	0.0007	0.000965		

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			0.0025	0.0015 (B1J)	0.0011 (B1J)
3/22/2016	0.00096 (B1J)	0.0027			
5/16/2016		0.0025	0.0022 (J)		0.001 (J)
5/17/2016	0.00079 (J)			0.0014 (J)	
7/11/2016		0.003	0.0023 (J)	0.0016 (J)	0.0012 (J)
7/12/2016	0.00099 (J)				
9/12/2016		0.0026	0.0024 (J)		
9/13/2016	0.00084 (J)			0.0019 (J)	0.0012 (J)
11/16/2016	0.00097 (J)	0.0026	0.0022 (J)		
11/17/2016				0.0014 (J)	0.0011 (J)
1/16/2017	0.00088 (J)	0.0022 (J)	0.0021 (J)		
1/17/2017				0.0014 (J)	0.0011 (J)
3/20/2017	0.00096 (J)	0.0024 (J)	0.0025	0.0017 (J)	0.0012 (J)
5/22/2017		0.0022 (J)	0.0025		
5/23/2017	0.001 (J)			0.0015 (J)	0.0012 (J)
2/21/2020			0.00118 (J)	0.0016 (J)	0.0011 (J)
2/22/2020	0.001 (J)	0.00131 (J)			
4/14/2020		0.00155 (J)	0.00131 (J)		
4/15/2020	0.00117 (J)			0.00171 (J)	0.00121 (J)
10/22/2020			0.00111	0.00104	0.00108
10/23/2020	0.000951	0.0014			
3/15/2021	0.00112	0.00177	0.00146	0.00127	0.00137
10/6/2021	0.00137	0.00274	0.00241	0.00111	0.000969
3/14/2022				0.00117	0.000757
3/15/2022	0.00164	0.00341	0.00361		
10/3/2022			0.00214	0.000726	0.000661
10/4/2022	0.00217	0.00196			
4/18/2023	0.0042	0.00213	0.00232	0.00079	0.00074

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	6.64 (o)	0.498	0.828	2.09	1.13
5/16/2016		0.949	0.481	2.22	1.07
5/17/2016	4.16				
7/11/2016			0.629	1.58	
7/12/2016	0.478 (U)	0.248 (U)			0.701
9/12/2016				2.52	
9/13/2016	1.47	0.66	1.08		1
11/16/2016				1.62	1.45
11/17/2016	3.28	0.199 (U)	0.848		
1/16/2017	3.22		0.874	2.37	0.786
1/17/2017		0.575			
3/20/2017	2.85	0.221 (U)	0.704	1.87	1.04
5/22/2017				1.82	
5/23/2017	2.48	0.264 (U)	0.643		1.05
2/21/2020		1.01	0.278 (U)		
2/22/2020	1.29			3.17	0.845
4/14/2020				3.99	
4/15/2020	1.73	0.677	0.933		1.51
10/23/2020	1.94	1.17	0.517	2.74	1.6
3/15/2021	1.78	0.982	0.499	3.06	1.35
10/6/2021	1.81	0.606	1.65	5.48	1.39
3/14/2022	1.71	0.531	0.932	3.53	0.585
10/3/2022	1.81	0.151 (U)	1.21	3.21	
10/4/2022					0.719
4/17/2023				2.05	0.593
4/18/2023	0.996	1.21	0.782		

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			2.6	2.05	0.666
3/22/2016	1.43	1.15			
5/16/2016		1.25	3.23		1.06
5/17/2016	1.49			2.9	
7/11/2016		1.06	2.11	1.58	0.558 (U)
7/12/2016	1.65				
9/12/2016		1.27	2.67		
9/13/2016	1.51			1.7	1.04
11/16/2016	1.76	1.27	2.6		
11/17/2016				1.99	0.646
1/16/2017	1.83	1.48	2.82		
1/17/2017				2.54	0.777
3/20/2017	1.19	0.843	2.34	1.76	0.42
5/22/2017		0.878	2.44		
5/23/2017	0.851			2.09	0.574
2/21/2020			1.49	2.19	1.31
2/22/2020	0.786	0.649			
4/14/2020		0.702	1.36		
4/15/2020	1.02			2	0.76
10/22/2020			1.11	1.84	0.847
10/23/2020	1.42	1.25			
3/15/2021	1	0.911	1.41	1.78	0.674
10/6/2021	0.826	1.63	3.74	2.23	0.883
3/14/2022				2.16	0.715
3/15/2022	0.961	1.2	6.94		
10/3/2022			4.49	1.41	0.893
10/4/2022	1.32	1.66			
4/18/2023	1.55	0.606	5.17	1.18	0.65



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/7/2023 8:00 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	0.04 (J)	<0.1	<0.1	0.04 (J)	<0.1
5/16/2016		<0.1	<0.1	0.04 (J)	<0.1
5/17/2016	0.04 (J)				
7/11/2016			<0.1	0.04 (J)	
7/12/2016	0.04 (J)	<0.1			<0.1
9/12/2016				0.04 (J)	
9/13/2016	<0.1	<0.1	<0.1		<0.1
11/16/2016				0.04 (J)	<0.1
11/17/2016	<0.1	<0.1	<0.1		
1/16/2017	<0.1		<0.1	<0.1	<0.1
1/17/2017		<0.1			
3/20/2017	<0.1	<0.1	<0.1	<0.1	<0.1
5/22/2017				0.04 (J)	
5/23/2017	0.04 (J)	<0.1	<0.1		<0.1
10/17/2017				0.05 (J)	
10/18/2017	0.04 (J)	<0.1	<0.1		<0.1
6/1/2018		<0.1			
6/2/2018	<0.1		<0.1	0.05 (J)	<0.1
11/7/2018				0.05 (J)	
11/8/2018	<0.1	<0.1	<0.1		<0.1
4/19/2019	<0.1	<0.1	0.0267 (J)	0.108	<0.1
6/7/2019				0.0937 (J)	
9/25/2019	<0.1	0.0267 (J)	<0.1	0.198	<0.1
11/29/2019				0.331	
2/21/2020		<0.1	<0.1		
2/22/2020	<0.1			0.222	<0.1
4/14/2020				0.23	
4/15/2020	<0.1	<0.1	<0.1		<0.1
10/23/2020	<0.1	<0.1	<0.1	0.0988 (J)	<0.1
3/15/2021	<0.1	<0.1	<0.1	0.0991 (J)	<0.1
10/6/2021	<0.1	<0.1	0.0269 (J)	0.11	<0.1
3/14/2022	<0.1	<0.1	0.0271 (J)	0.0643 (J)	<0.1
10/3/2022	<0.1	<0.1	<0.1	0.0388 (J)	
10/4/2022					<0.1
4/17/2023				0.0355 (J)	<0.1
4/18/2023	<0.1	<0.1	<0.1		

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.1	<0.1	<0.1
3/22/2016	<0.1	<0.1			
5/16/2016		<0.1	0.04 (J)		<0.1
5/17/2016	<0.1			<0.1	
7/11/2016		<0.1	0.04 (J)	<0.1	<0.1
7/12/2016	<0.1				
9/12/2016		<0.1	<0.1		
9/13/2016	<0.1			<0.1	<0.1
11/16/2016	<0.1	<0.1	<0.1		
11/17/2016				<0.1	<0.1
1/16/2017	<0.1	<0.1	<0.1		
1/17/2017				<0.1	<0.1
3/20/2017	<0.1	<0.1	<0.1	<0.1	<0.1
5/22/2017		0.05 (J)	0.04 (J)		
5/23/2017	<0.1			<0.1	<0.1
10/18/2017	<0.1	<0.1	<0.1	<0.1	<0.1
6/1/2018			<0.1	<0.1	<0.1
6/2/2018	<0.1	<0.1			
11/7/2018			<0.1	<0.1	
11/8/2018	<0.1	<0.1			<0.1
4/19/2019	<0.1	<0.1	<0.1	<0.1	<0.1
9/25/2019	<0.1	<0.1	<0.1	0.0277 (J)	0.0313 (J)
2/21/2020			<0.1	<0.1	<0.1
2/22/2020	<0.1	<0.1			
4/14/2020		0.0304 (J)	<0.1		
4/15/2020	<0.1			<0.1	<0.1
10/22/2020			<0.1	<0.1	<0.1
10/23/2020	<0.1	<0.1			
3/15/2021	<0.1	<0.1	0.027 (J)	<0.1	<0.1
10/6/2021	<0.1	<0.1	0.0317 (J)	0.0458 (J)	<0.1
3/14/2022				<0.1	<0.1
3/15/2022	<0.1	0.0268 (J)	0.0609 (J)		
10/3/2022			0.032 (J)	<0.1	<0.1
10/4/2022	<0.1	<0.1			
4/18/2023	<0.1	<0.1	0.0348 (J)	<0.1	<0.1

# Time Series

Constituent: Lead (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.0025	<0.0025	<0.00035	0.00038 (B1J)	<0.0025
5/16/2016		<0.0025	<0.00035	0.00047 (J)	<0.0025
5/17/2016	<0.0025				
7/11/2016			<0.00035	0.0004 (J)	
7/12/2016	<0.0025	<0.0025			<0.0025
9/12/2016				<0.0013	
9/13/2016	<0.0025	<0.0025	<0.00035		<0.0025
11/16/2016				0.00041 (J)	<0.0025
11/17/2016	<0.0025	<0.0025	<0.00035		
1/16/2017	<0.0025		<0.00035	0.00039 (J)	<0.0025
1/17/2017		<0.0025			
3/20/2017	<0.0025	<0.0025	<0.00035	0.00039 (J)	<0.0025
5/22/2017				0.00044 (J)	
5/23/2017	<0.0025	<0.0025	<0.00035		<0.0025
2/21/2020		<0.0025	0.000189 (J)		
2/22/2020	<0.0025			0.00126	<0.0025
4/14/2020				0.00142	
4/15/2020	0.000434 (J)	<0.0025	0.000486 (J)		0.000192 (J)
10/23/2020	<0.0025	0.000162 (J)	0.000176 (J)	0.00083 (J)	<0.0025
3/15/2021	<0.0025	<0.0025	0.000169 (J)	0.000889 (J)	<0.0025
10/6/2021	0.000171 (J)	<0.0025	0.00023 (J)	0.00107	0.000161 (J)
3/14/2022	0.000227 (J)	<0.0025	0.000267 (J)	0.000932 (J)	0.000224 (J)
10/3/2022	<0.0025	<0.0025	0.000308 (J)	0.000758 (J)	
10/4/2022					<0.0025
4/17/2023				0.000545 (J)	<0.0025
4/18/2023	<0.0025	<0.0025	0.000255 (J)		

# Time Series

Constituent: Lead (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.001	<0.0025	<0.0025
3/22/2016	<0.0025	<0.0025			
5/16/2016		<0.0025	<0.001		<0.0025
5/17/2016	<0.0025			<0.0025	
7/11/2016		<0.0025	<0.001	<0.0025	<0.0025
7/12/2016	<0.0025				
9/12/2016		<0.0025	<0.001		
9/13/2016	<0.0025			<0.0025	<0.0025
11/16/2016	<0.0025	<0.0025	<0.001		
11/17/2016				<0.0025	<0.0025
1/16/2017	<0.0025	<0.0025	<0.001		
1/17/2017				<0.0025	<0.0025
3/20/2017	<0.0025	<0.0025	<0.001	<0.0025	<0.0025
5/22/2017		<0.0025	<0.001		
5/23/2017	<0.0025			<0.0025	<0.0025
2/21/2020			0.000132 (J)	0.000128 (J)	0.00017 (J)
2/22/2020	<0.0025	<0.0025			
4/14/2020		<0.0025	0.000165 (J)		
4/15/2020	0.000153 (J)			0.000147 (J)	0.000215 (J)
10/22/2020			<0.001	<0.0025	<0.0025
10/23/2020	<0.0025	<0.0025			
3/15/2021	<0.0025	<0.0025	<0.001	<0.0025	0.000159 (J)
10/6/2021	<0.0025	<0.0025	0.00017 (J)	<0.0025	<0.0025
3/14/2022				<0.0025	<0.0025
3/15/2022	0.000592 (J)	<0.0025	0.000368 (J)		
10/3/2022			0.000219 (J)	<0.0025	<0.0025
10/4/2022	<0.0025	<0.0025			
4/18/2023	<0.0025	<0.0025	0.000225 (J)	<0.0025	<0.0025

# Time Series

Constituent: Lithium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.005	0.0038	<0.005	<0.005	<0.005
5/16/2016		<0.005	<0.005	<0.005	<0.005
5/17/2016	<0.005				
7/11/2016			<0.005	<0.005	
7/12/2016	<0.005	<0.005			<0.005
9/12/2016				<0.005	
9/13/2016	<0.005	<0.005	<0.005		<0.005
11/16/2016				<0.005	<0.005
11/17/2016	<0.005	<0.005	<0.005		
1/16/2017	<0.005		<0.005	<0.005	<0.005
1/17/2017		<0.005			
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017				<0.005	
5/23/2017	<0.005	<0.005	<0.005		<0.005
2/21/2020		<0.005	<0.005		
2/22/2020	<0.005			<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	0.000867 (J)	0.00116 (J)	0.000994 (J)	0.00145 (J)	0.00205 (J)
10/3/2022	0.00108 (J)	<0.005	0.00133 (J)	0.00168 (J)	
10/4/2022					0.00206 (J)
4/17/2023				0.00208 (J)	<0.005
4/18/2023	<0.005	<0.005	<0.005		

# Time Series

Constituent: Lithium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005			
5/16/2016		<0.005	<0.005		<0.005
5/17/2016	<0.005			<0.005	
7/11/2016		<0.005	<0.005	<0.005	<0.005
7/12/2016	<0.005				
9/12/2016		<0.005	<0.005		
9/13/2016	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005		
11/17/2016				<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005		
1/17/2017				<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017		<0.005	<0.005		
5/23/2017	<0.005			<0.005	<0.005
2/21/2020			<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005			
10/22/2020			<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022				0.00105 (J)	0.0011 (J)
3/15/2022	0.00142 (J)	0.00191 (J)	0.00192 (J)		
10/3/2022			0.00179 (J)	0.000959 (J)	0.00106 (J)
10/4/2022	0.00138 (J)	0.00139 (J)			
4/18/2023	<0.005	<0.005	0.00271 (J)	<0.005	0.00209 (J)

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	9.9E-05 (J)		0.00012 (J)	0.00012 (J)	0.00012 (J)
3/3/2015	<0.0002		<0.0002	<0.0002	<0.0002
4/7/2015	<0.0002		<0.0002	<0.0002	<0.0002
5/14/2015	<0.0002		<0.0002	<0.0002	<0.0002
6/3/2015	<0.0002		<0.0002	8.5E-05 (J)	<0.0002
6/18/2015	<0.0002		<0.0002	<0.0002	<0.0002
6/30/2015	<0.0002		<0.0002	<0.0002	<0.0002
7/15/2015	<0.0002		<0.0002	<0.0002	<0.0002
1/11/2016	<0.0002		8.7E-05 (J)	8.8E-05 (J)	8.7E-05 (J)
3/22/2016	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)
5/16/2016		<0.0002	<0.0002	<0.0002	<0.0002
5/17/2016	<0.0002				
7/11/2016			<0.0002	<0.0002	
7/12/2016	<0.0002	<0.0002			<0.0002
9/12/2016				<0.0002	
9/13/2016	<0.0002	<0.0002	<0.0002		<0.0002
11/16/2016				<0.0002	<0.0002
11/17/2016	<0.0002	<0.0002	<0.0002		
1/16/2017	<0.0002		<0.0002	<0.0002	<0.0002
1/17/2017		<0.0002			
3/20/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/22/2017				<0.0002	
5/23/2017	<0.0002	<0.0002	<0.0002		<0.0002
11/27/2017	0.00031		<0.0002	<0.0002	0.00022
2/21/2020		<0.0002	<0.0002		
2/22/2020	<0.0002			<0.0002	<0.0002
10/23/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/15/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/6/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/14/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/3/2022	<0.0002	<0.0002	<0.0002	<0.0002	
10/4/2022					<0.0002
4/17/2023				<0.0002	<0.0002
4/18/2023	<0.0002	<0.0002	<0.0002		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.0002 (*)	<0.0002 (*)	<0.0002 (*)
3/22/2016	<0.0002 (*)	<0.0002 (*)			
5/16/2016		<0.0002	<0.0002		<0.0002
5/17/2016	<0.0002			<0.0002	
7/11/2016		<0.0002	<0.0002	<0.0002	<0.0002
7/12/2016	<0.0002				
9/12/2016		<0.0002	<0.0002		
9/13/2016	<0.0002			<0.0002	<0.0002
11/16/2016	<0.0002	<0.0002	<0.0002		
11/17/2016				<0.0002	<0.0002
1/16/2017	<0.0002	<0.0002	<0.0002		
1/17/2017				<0.0002	<0.0002
3/20/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/22/2017		<0.0002	<0.0002		
5/23/2017	<0.0002			<0.0002	<0.0002
2/21/2020			<0.0002	<0.0002	<0.0002
2/22/2020	<0.0002	<0.0002			
10/22/2020			<0.0002	<0.0002	<0.0002
10/23/2020	<0.0002	<0.0002			
3/15/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/6/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/14/2022				<0.0002	<0.0002
3/15/2022	<0.0002	<0.0002	<0.0002		
10/3/2022			<0.0002	<0.0002	<0.0002
10/4/2022	<0.0002	0.00143			
4/18/2023	<0.0002	0.00242	<0.0002	<0.0002	<0.0002



# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005
5/16/2016		<0.005	<0.005	<0.005	<0.005
5/17/2016	<0.005				
7/11/2016			<0.005	<0.005	
7/12/2016	<0.005	<0.005			<0.005
9/12/2016				<0.005	
9/13/2016	<0.005	<0.005	<0.005		<0.005
11/16/2016				<0.005	<0.005
11/17/2016	<0.005	<0.005	<0.005		
1/16/2017	<0.005		<0.005	<0.005	<0.005
1/17/2017		<0.005			
3/20/2017	<0.005 (*)	<0.005 (*)	<0.005	<0.005 (*)	<0.005
5/22/2017				<0.005	
5/23/2017	0.0043 (J)	<0.005	0.0023 (J)		<0.005
2/21/2020		<0.005	<0.005		
2/22/2020	<0.005			<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	<0.005	<0.005	<0.005	<0.005	<0.005
10/3/2022	<0.005	<0.005	<0.005	<0.005	
10/4/2022					<0.005
4/17/2023				<0.005	<0.005
4/18/2023	<0.005	<0.005	<0.005		

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005			
5/16/2016		<0.005	<0.005		<0.005
5/17/2016	<0.005			<0.005	
7/11/2016		<0.005	<0.005	<0.005	<0.005
7/12/2016	<0.005				
9/12/2016		<0.005	<0.005		
9/13/2016	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005		
11/17/2016				<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005		
1/17/2017				<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017		<0.005	<0.005		
5/23/2017	<0.005			<0.005	<0.005
2/21/2020			<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005			
10/22/2020			<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	0.00192 (J)	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022				<0.005	<0.005
3/15/2022	<0.005	<0.005	<0.005		
10/3/2022			<0.005	<0.005	<0.005
10/4/2022	<0.005	<0.005			
4/18/2023	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: pH (SU) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	5.84		5.68	4.63	5.09
3/3/2015	5.7		5.61	4.69	5.05
4/7/2015	5.39		5.43	4.46	4.87
5/14/2015	5.26		5.37	4.5	4.88
6/3/2015	5.37		5.29	4.45	4.82
6/18/2015	5.23		5.22	4.51	4.95
6/30/2015	5.28		5.07	4.48	4.86
7/15/2015	5.08		5.17	4.7	4.88
1/11/2016	5.42		4.96	4.9	5.17
3/22/2016	4.97	5.34	4.81	4.51	4.87
5/16/2016		5.48	4.82	4.54	4.95
5/17/2016	5.33				
7/11/2016			4.88	4.59	
7/12/2016	4.78	4.95			4.82
9/12/2016				4.46	
9/13/2016	4.83	4.95	4.86		4.82
11/16/2016				4.34	4.71
11/17/2016	4.66	4.86	4.79		
1/16/2017	4.85		4.79	4.39	4.82
1/17/2017		5.18			
3/20/2017	4.88	4.97	4.87	4.26	4.69
5/22/2017				4.44	
5/23/2017	4.8	4.91	4.84		4.74
10/17/2017				4.51	
10/18/2017	5.55	4.97	4.92		4.78
6/1/2018		5.07			
6/2/2018	5.18		4.88	4.51	4.92
11/7/2018				4.46	
11/8/2018	5.15	5.09	4.92		4.91
4/19/2019	4.89	5.13	4.85	4.38	4.91
9/25/2019	4.83	4.9	4.79	4.27	4.79
2/21/2020		5.05	4.82		
2/22/2020	4.83			4.39	4.95
4/14/2020				4.36	
4/15/2020	4.78	4.98	4.9		4.9
10/23/2020	4.78	4.9	4.8	4.72	4.89
3/15/2021	4.81	4.93	4.83	4.56	4.87
10/6/2021	4.9	5.03	4.89	4.36	4.77
3/14/2022	4.65	4.88	4.62	4.47	4.84
10/3/2022	4.92	5.13	4.75	4.38	
10/4/2022					4.76
4/17/2023				4.4	4.61
4/18/2023	4.8	4.84	4.61		

# Time Series

Constituent: pH (SU) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			4.46	4.97	4.85
3/22/2016	4.79	4.68			
5/16/2016		4.73	4.55		5.01
5/17/2016	4.81			4.5	
7/11/2016		4.71	5.16	4.51	4.87
7/12/2016	4.71				
9/12/2016		4.63	4.44		
9/13/2016	4.76			4.71	4.92
11/16/2016	4.65	4.57	4.36		
11/17/2016				4.49	4.82
1/16/2017	4.76	4.61	4.47		
1/17/2017				4.77	4.89
3/20/2017	4.61	4.49	4.22	4.54	4.92
5/22/2017		4.61	4.38		
5/23/2017	4.73			7.14 (o)	4.86
10/18/2017	5.07	4.63	4.49	4.81	4.96
12/15/2017	4.86 (R)				
6/1/2018			4.54	4.66	5.02
6/2/2018	4.87	4.75			
11/7/2018			4.48	4.54	
11/8/2018	4.9	4.69			4.98
4/19/2019	4.86	4.72	4.51	4.63	4.94
9/24/2019				4.57	4.86
9/25/2019	4.82	4.67	4.47		
2/21/2020			4.44	4.57	4.78
2/22/2020		4.78			
4/14/2020		4.75	4.73		
4/15/2020	4.74			4.69	4.87
10/22/2020			4.59	4.7	4.86
10/23/2020	4.91	4.72			
3/15/2021	4.85	4.69	4.52	4.78	4.88
10/6/2021	5.05	4.56	4.35	4.86	4.98
3/14/2022				4.65	4.76
3/15/2022	4.92	4.64	4.24		
10/3/2022			4.37	4.82	4.95
10/4/2022	4.84	4.62			
4/18/2023	4.58	4.56	4.32	4.66	4.75

# Time Series

Constituent: Selenium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	<0.0025		<0.0025	<0.0025	<0.0025
3/3/2015	<0.0025		<0.0025	<0.0025	<0.0025
4/7/2015	<0.0025		<0.0025	<0.0025	<0.0025
5/14/2015	<0.0025		<0.0025	<0.0025	<0.0025
6/3/2015	0.0046 (J)		<0.0025	<0.0025	<0.0025
6/18/2015	<0.0025		<0.0025	0.0056 (J)	<0.0025
6/30/2015	<0.0025		0.0059 (J)	0.0062 (J)	0.0044 (J)
7/15/2015	<0.0025		<0.0025	<0.0025	<0.0025
1/11/2016	<0.0025		<0.0025	<0.0025	<0.0025
3/22/2016	0.00065 (J)	<0.0025	<0.0025	<0.0025	<0.0025
5/16/2016		<0.0025	<0.0025	<0.0025	<0.0025
5/17/2016	<0.0025				
7/11/2016			<0.0025	<0.0025	
7/12/2016	0.00032 (J)	<0.0025			<0.0025
9/12/2016				<0.0025	
9/13/2016	<0.0025 (*)	<0.0025	<0.0025		<0.0025
11/16/2016				<0.0025	<0.0025
11/17/2016	<0.0025	<0.0025	<0.0025		
1/16/2017	<0.0025		<0.0025	<0.0025	<0.0025
1/17/2017		<0.0025			
3/20/2017	0.0027	0.0027	<0.0025	<0.0025 (*)	<0.0025
5/22/2017				<0.0025	
5/23/2017	0.0022	<0.0025	0.00082 (J)		<0.0025
11/27/2017	0.007		0.0071	<0.0025	<0.0025
2/21/2020		<0.0025	<0.0025		
2/22/2020	<0.0025			<0.0025	<0.0025
10/23/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/15/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/6/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/14/2022	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/3/2022	<0.0025	<0.0025	0.000773 (J)	<0.0025	
10/4/2022					<0.0025
4/17/2023				<0.0025	<0.0025
4/18/2023	<0.0025	<0.0025	<0.0025		

# Time Series

Constituent: Selenium (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.0025	<0.0025	<0.0025
3/22/2016	<0.0025	<0.0025			
5/16/2016		<0.0025	<0.0025		0.00031 (J)
5/17/2016	<0.0025			<0.0025	
7/11/2016		<0.0025	<0.0025	<0.0025	0.0004 (J)
7/12/2016	<0.0025				
9/12/2016		<0.0025	<0.0025		
9/13/2016	<0.0025			<0.0025	<0.0025 (*)
11/16/2016	<0.0025	<0.0025	<0.0025		
11/17/2016				<0.0025	<0.0025
1/16/2017	<0.0025	<0.0025	<0.0025		
1/17/2017				<0.0025	<0.0025
3/20/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/22/2017		<0.0025	<0.0025		
5/23/2017	0.0003 (J)			<0.0025	<0.0025
2/21/2020			<0.0025	<0.0025	<0.0025
2/22/2020	<0.0025	<0.0025			
10/22/2020			<0.0025	<0.0025	<0.0025
10/23/2020	<0.0025	<0.0025			
3/15/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
10/6/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/14/2022				<0.0025	<0.0025
3/15/2022	<0.0025	<0.0025	<0.0025		
10/3/2022			<0.0025	<0.0025	<0.0025
10/4/2022	<0.0025	<0.0025			
4/18/2023	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	2.4 (J)		<1	<1.4	<5
3/3/2015	3.2 (J)		<1	<1.4	<5
4/7/2015	2.6 (J)		<1	<1.4	<5
5/14/2015	3 (J)		<1	<1.4	<5
6/3/2015	2.8 (J)		<1	<1.4	<5
6/18/2015	3.9 (J)		<1	<1.4	<5
6/30/2015	2.9 (J)		<1	<1.4	<5
7/15/2015	2.6 (J)		<1	<1.4	<5
1/11/2016	4.5 (J)		<1	<1.4	<5
3/22/2016	4 (J)	<1	<1	<1.4	<5
5/16/2016		<1	<1	<1.4	<5
5/17/2016	4.1 (J)				
7/11/2016			1.4 (J)	<1.4	
7/12/2016	5.2	<1			<5
9/12/2016				<1.4	
9/13/2016	5.5	1.6 (J)	<1		<5
11/16/2016				<1.4	<5
11/17/2016	5.9	<1	<1		
1/16/2017	6.6		<1	<1.4	<5
1/17/2017		<1			
3/20/2017	<6.6	<1	<1	<1.4	<5
5/22/2017				<1.4	
5/23/2017	6	<1	<1		<5
10/17/2017				<1.4	
10/18/2017	8	<1	<1		<5
11/27/2017	9.5		3.1	2.9	4.1
12/16/2017	7.7 (RS)				
6/1/2018		2.1 (J)			
6/2/2018	12		<1	<1.4	1.9 (J)
11/7/2018				2.1 (J)	
11/8/2018	10	<1	<1		1.8 (J)
4/19/2019	10.1	0.702 (J)	0.468 (J)	19.5 (o)	2.1
6/7/2019	8.98			19.2	
9/25/2019	8.87	0.648 (J)	0.436 (J)	65.1	2.3
11/29/2019	9.09			107	
4/14/2020				194	
4/15/2020	9.84	<1	<1		2
10/23/2020	8.82	0.515 (J)	0.405 (J)	142	1.75
3/15/2021	9.05	<1	<1	116	1.94
10/6/2021	10.3	<1	<1	2.93	1.97
3/14/2022	9.59	<1	0.861 (J)	2.2	2.04
10/3/2022	8.36	3.38	<1	1.25	
10/4/2022					1.86
4/17/2023				1.58	2.15
4/18/2023	7.46	3.39	0.784 (J)		

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/7/2023 8:00 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<1	<1	<1
3/22/2016	<5	2.9 (J)			
5/16/2016		2.7 (J)	<1		1.7 (J)
5/17/2016	<5			<1	
7/11/2016		2.5 (J)	<1	<1	1.5 (J)
7/12/2016	<5				
9/12/2016		2.8 (J)	<1		
9/13/2016	<5			<1	1.5 (J)
11/16/2016	<5	3.1 (J)	<1		
11/17/2016				<1	<1
1/16/2017	<5	2.1	<1		
1/17/2017				<1	<1
3/20/2017	<5	<5	<1	<1	<1
5/22/2017		1.9 (J)	<1		
5/23/2017	<5			<1	<1
10/18/2017	<5	<5	<1	<1	<1
6/1/2018			<1	1.4 (J)	3.3 (J)
6/2/2018	3.4 (J)	1.8 (J)			
11/7/2018			<1	<1	
11/8/2018	3.1 (J)	1.6 (J)			1.8 (J)
4/19/2019	3.82	1.96	0.449 (J)	0.906 (J)	2.3
9/25/2019	3.52	1.98	1.57	<1	<1
4/14/2020		1.85	<1		
4/15/2020	3.38			<1	1.64
10/22/2020			<1	0.657 (J)	1.46
10/23/2020	3.33	1.75			
3/15/2021	3.42	1.8	<1	1.2	1.37
10/6/2021	6.05	0.802 (J)	<1	4.11	2.4
3/14/2022				3.09	1.58
3/15/2022	5.54	0.791 (J)	<1		
10/3/2022			<1	3.06	2.45
10/4/2022	6.61	0.791 (J)			
4/18/2023	7.27	1.23	<1	2.83	2.88



# Time Series

Constituent: Thallium (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	9E-05 (J)	<0.001	<0.001	<0.001	<0.001
5/16/2016		<0.001	<0.001	<0.001	<0.001
5/17/2016	<0.001				
7/11/2016			<0.001	<0.001	
7/12/2016	<0.001	<0.001			<0.001
9/12/2016				<0.001	
9/13/2016	<0.001	<0.001	<0.001		<0.001
11/16/2016				<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001		
1/16/2017	<0.001		<0.001	<0.001	<0.001
1/17/2017		<0.001			
3/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017				<0.001	
5/23/2017	9E-05 (J)	<0.001	<0.001		<0.001
2/21/2020		<0.001	<0.001		
2/22/2020	<0.001			<0.001	<0.001
10/23/2020	<0.001	0.00039 (J)	0.000234 (J)	<0.001	<0.001
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001
10/6/2021	0.000249 (J)	<0.001	0.000191 (J)	0.000269 (J)	<0.001
3/14/2022	<0.001	<0.001	<0.001	<0.001	<0.001
10/3/2022	<0.001	<0.001	<0.001	<0.001	
10/4/2022					<0.001
4/17/2023				<0.001	<0.001
4/18/2023	<0.001	<0.001	<0.001		

# Time Series

Constituent: Thallium (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001			
5/16/2016		<0.001	<0.001		<0.001
5/17/2016	<0.001			<0.001	
7/11/2016		<0.001	<0.001	<0.001	<0.001
7/12/2016	<0.001				
9/12/2016		<0.001	<0.001		
9/13/2016	<0.001			<0.001	<0.001
11/16/2016	<0.001	<0.001	<0.001		
11/17/2016				<0.001	<0.001
1/16/2017	<0.001	<0.001	<0.001		
1/17/2017				<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017		<0.001	<0.001		
5/23/2017	<0.001			<0.001	<0.001
2/21/2020			<0.001	<0.001	<0.001
2/22/2020	<0.001	<0.001			
10/22/2020			<0.001	<0.001	<0.001
10/23/2020	<0.001	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001
10/6/2021	0.000231 (J)	<0.001	<0.001	<0.001	<0.001
3/14/2022				<0.001	<0.001
3/15/2022	<0.001	<0.001	<0.001		
10/3/2022			<0.001	<0.001	<0.001
10/4/2022	<0.001	<0.001			
4/18/2023	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/7/2023 8:00 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	60	26	28	22	26
5/16/2016		44	18	52	28
5/17/2016	90				
7/11/2016			4 (J)	16	
7/12/2016	56	<5			24
9/12/2016				30	
9/13/2016	88	24	26		32
11/16/2016				42	60
11/17/2016	80	38	36		
1/16/2017	68		12	42	32
1/17/2017		20			
3/20/2017	12	6	<3.4	12	<5
5/22/2017				34	
5/23/2017	54	40	26		48
10/17/2017				60	
10/18/2017	70	20	32		54
6/1/2018		28			
6/2/2018	20		<3.4	<3.4	32
11/7/2018				42	
11/8/2018	30	68	68		14
4/19/2019	38	20	29	83	43
6/7/2019				76	
9/25/2019	52	29	27	143	44
11/29/2019				180	
4/14/2020				299	
4/15/2020	43	22	32		31
10/23/2020	36	29	27	244	32
3/15/2021	36	22	30	201	27
10/6/2021	51	39	35	80	33
3/14/2022	38	26	29	42	16
10/3/2022	64	33	41	61	
10/4/2022					36
4/17/2023				42	34
4/18/2023	37	34	35		

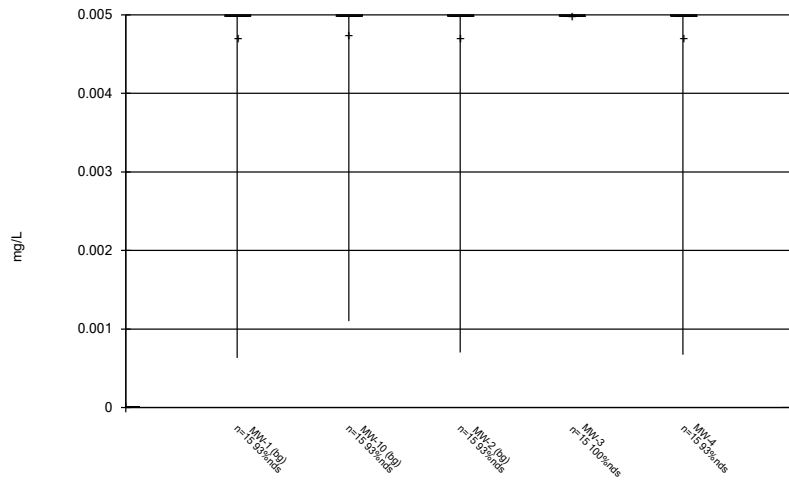
# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			52	42	30
3/22/2016	36	<3.4			
5/16/2016		24	44		32
5/17/2016	36			38	
7/11/2016		14	22	14	24
7/12/2016	34				
9/12/2016		26	24		
9/13/2016	34			40	34
11/16/2016	56	40	52		
11/17/2016				40	52
1/16/2017	32	32	32		
1/17/2017				36	<5
3/20/2017	20	10	16	<5	14
5/22/2017		30	48		
5/23/2017	32			44	36
10/18/2017	50	28	50	28	34
6/1/2018			42	60	42
6/2/2018	<3.4	<3.4			
11/7/2018			54	40	
11/8/2018	22	12			30
4/19/2019	34	26	36	71	23
9/25/2019	42	46	42	61	33
4/14/2020		26	30		
4/15/2020	26			53	28
10/22/2020			35	42	35
10/23/2020	31	25			
3/15/2021	32	29	32	39	31
10/6/2021	27	38	53	36	37
3/14/2022				23	56
3/15/2022	12	24	54		
10/3/2022			79	40	31
10/4/2022	41	28			
4/18/2023	29	32	53	35	23

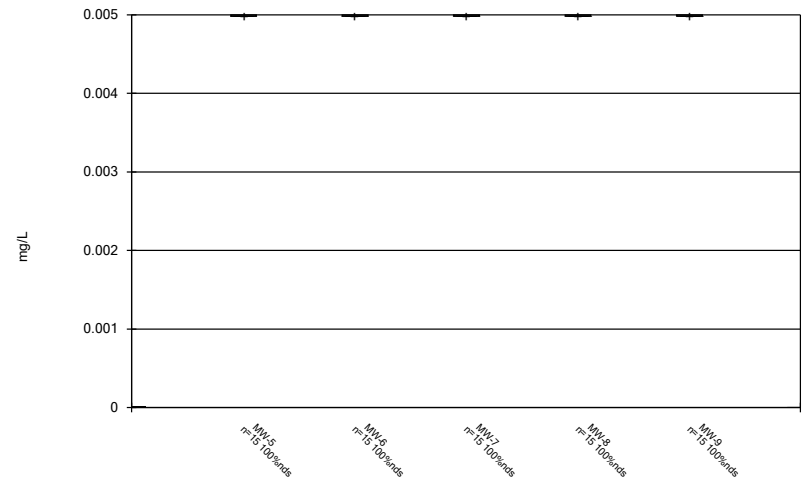
FIGURE B.

### Box & Whiskers Plot



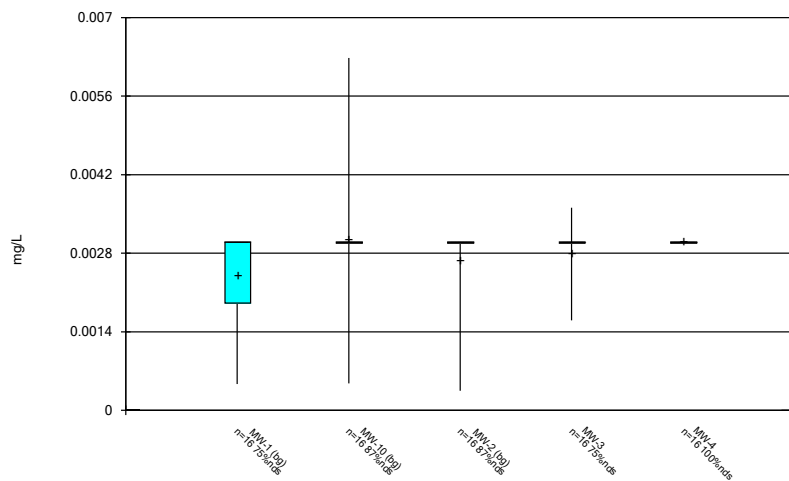
Constituent: Antimony Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



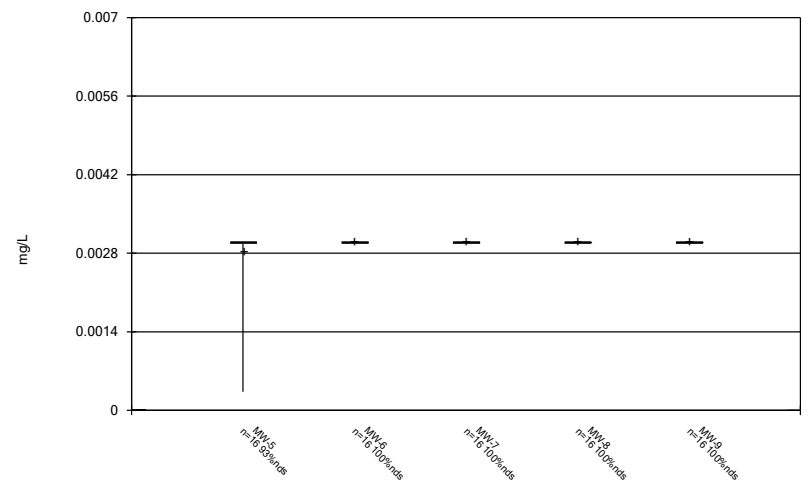
Constituent: Antimony Analysis Run 6/7/2023 8:00 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



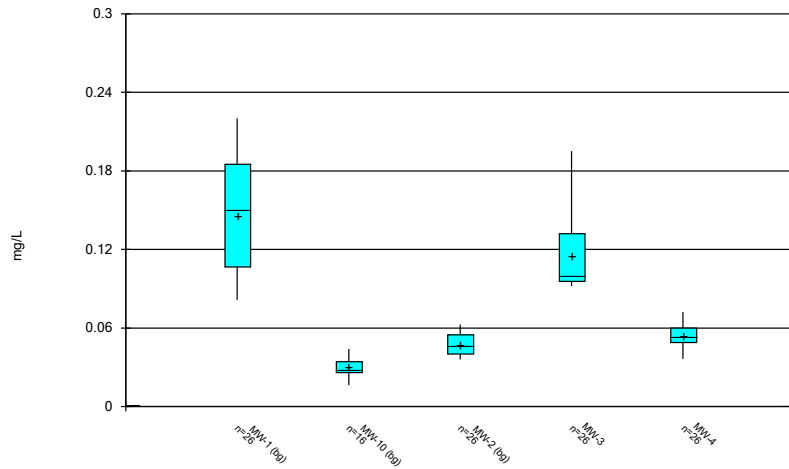
Constituent: Arsenic Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



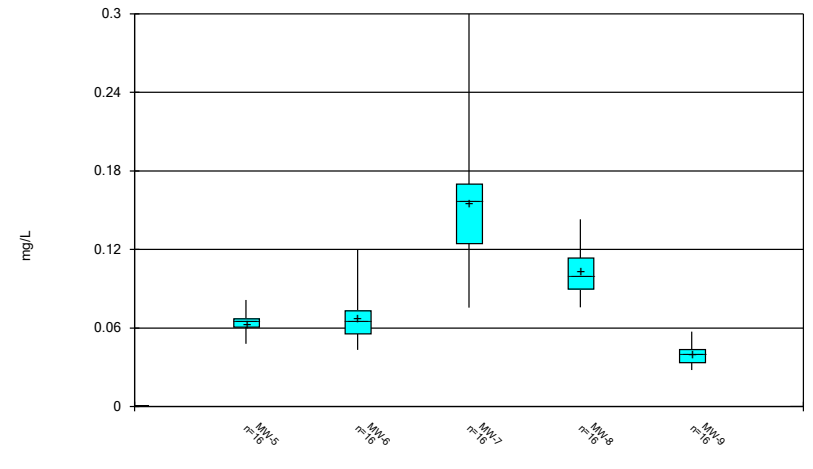
Constituent: Arsenic Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



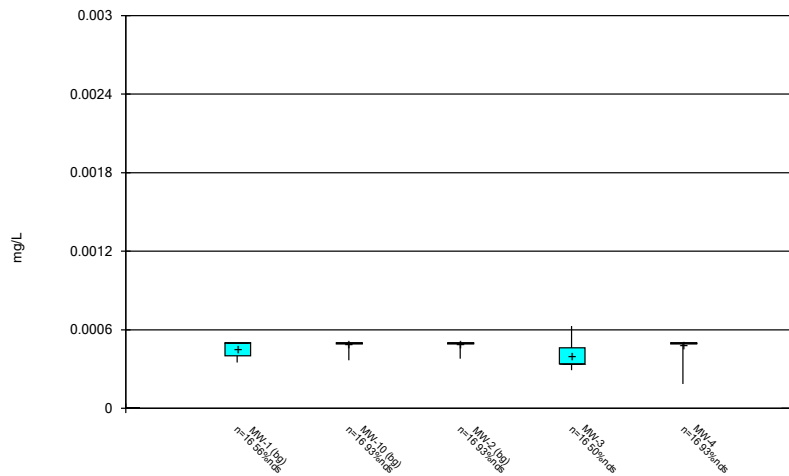
Constituent: Barium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



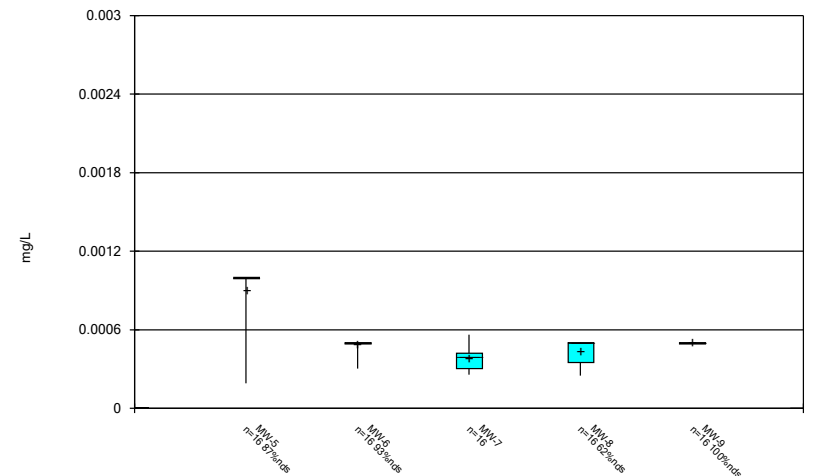
Constituent: Barium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



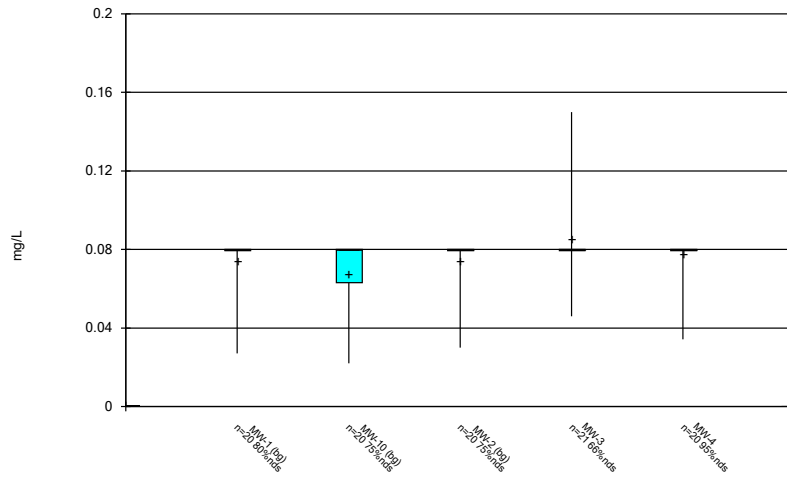
Constituent: Beryllium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



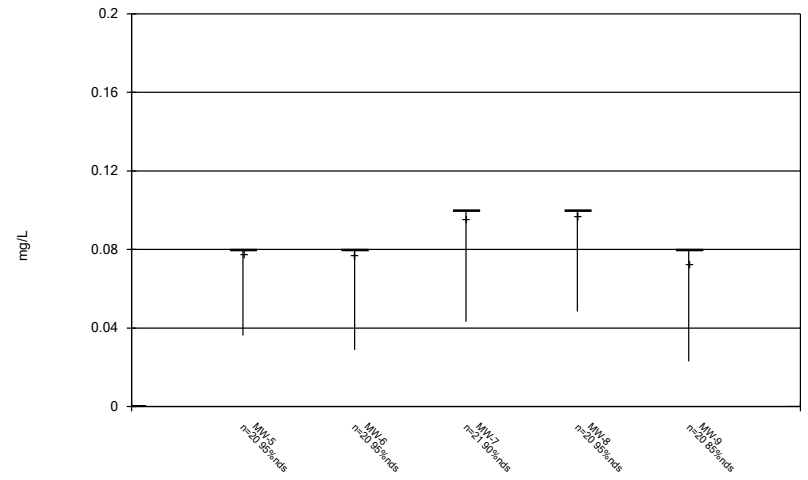
Constituent: Beryllium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



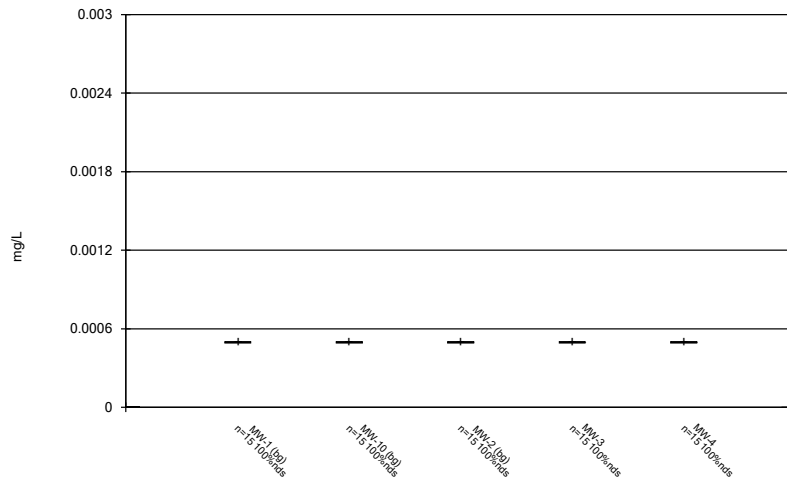
Constituent: Boron Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



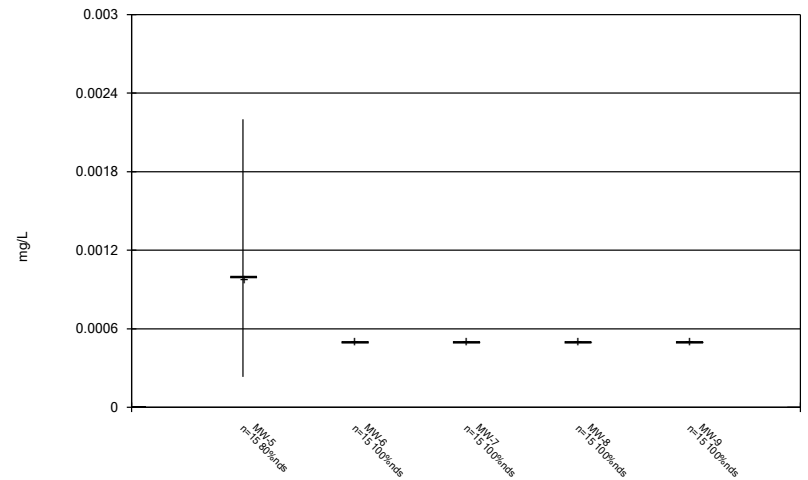
Constituent: Boron Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

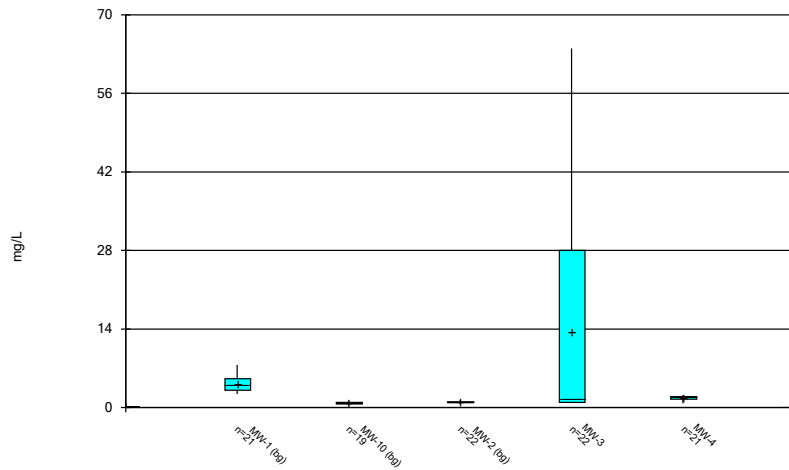
### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

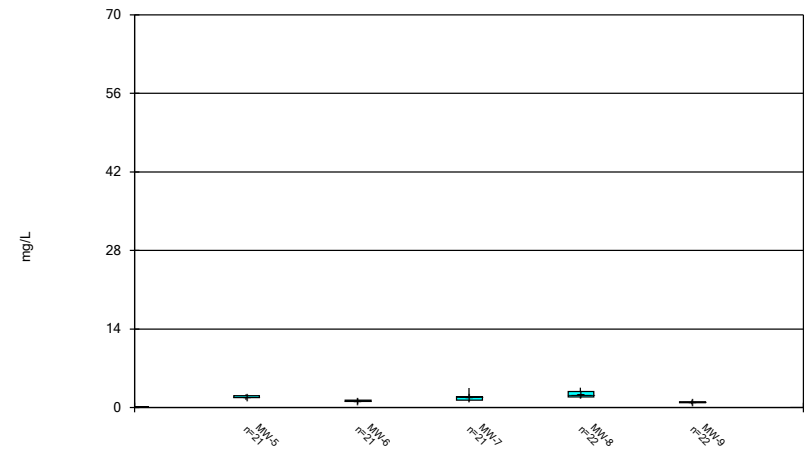


### Box & Whiskers Plot



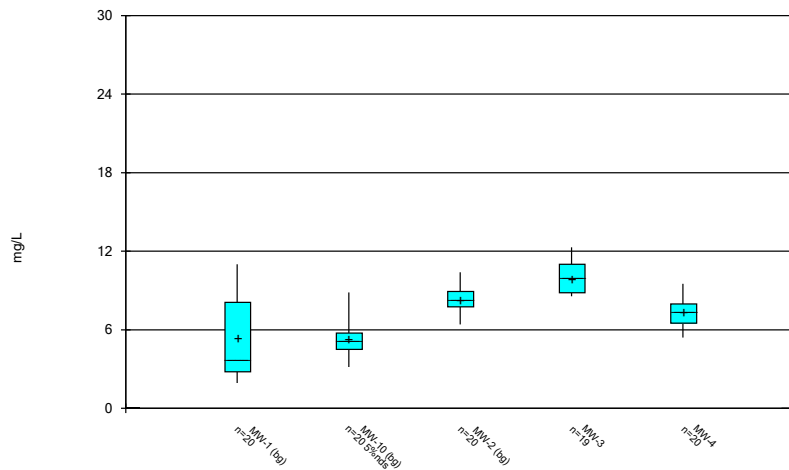
Constituent: Calcium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



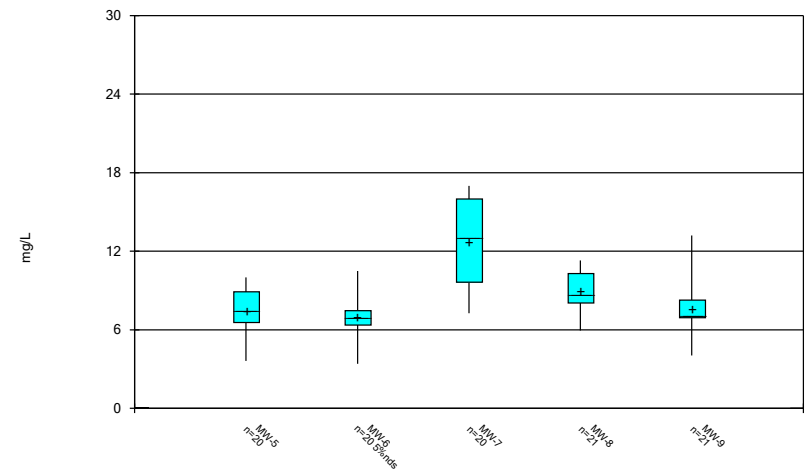
Constituent: Calcium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



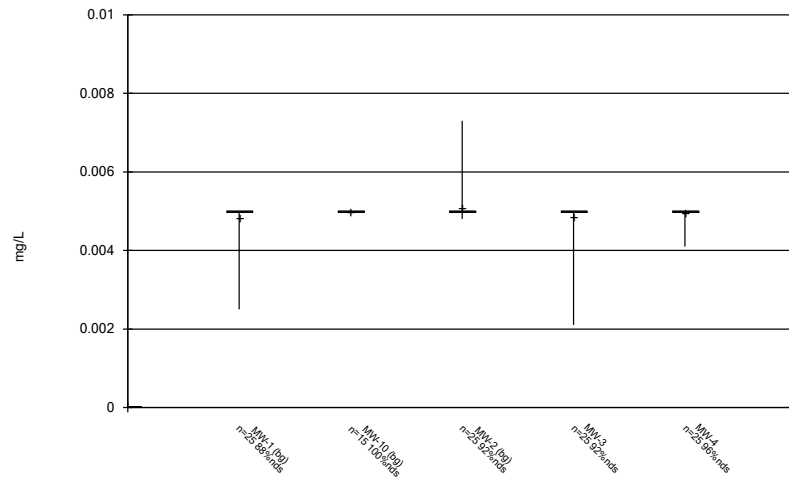
Constituent: Chloride Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



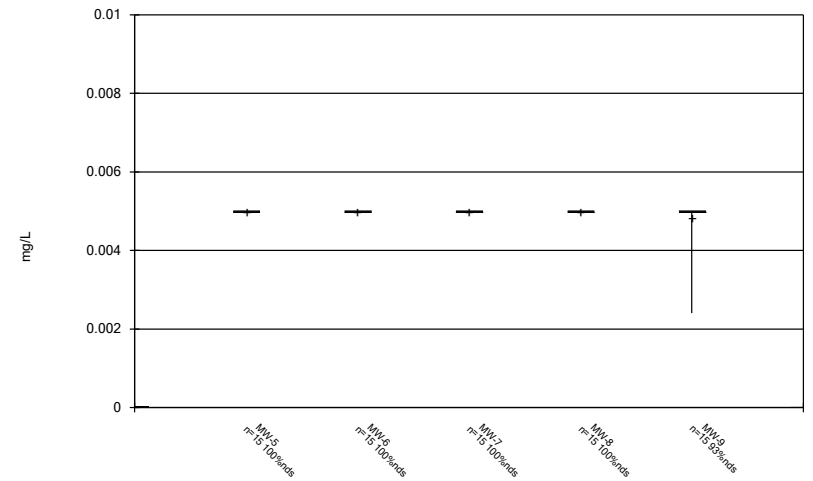
Constituent: Chloride Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



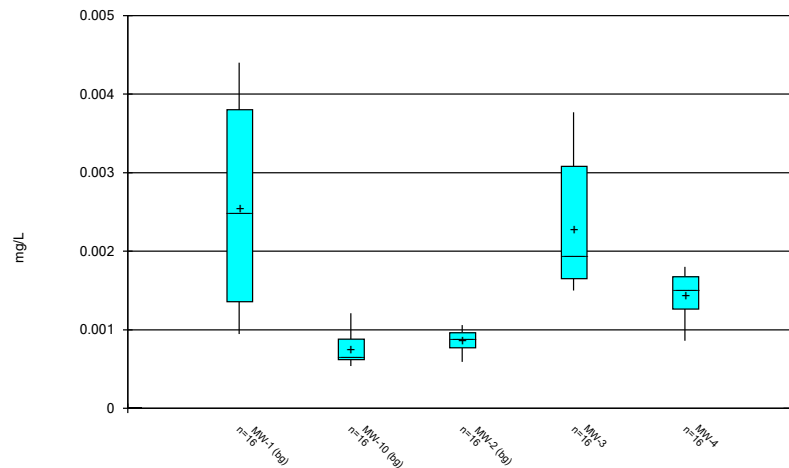
Constituent: Chromium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



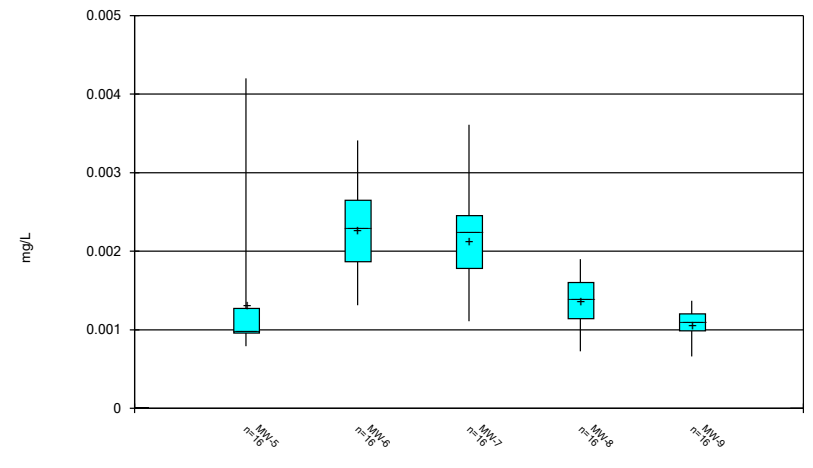
Constituent: Chromium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



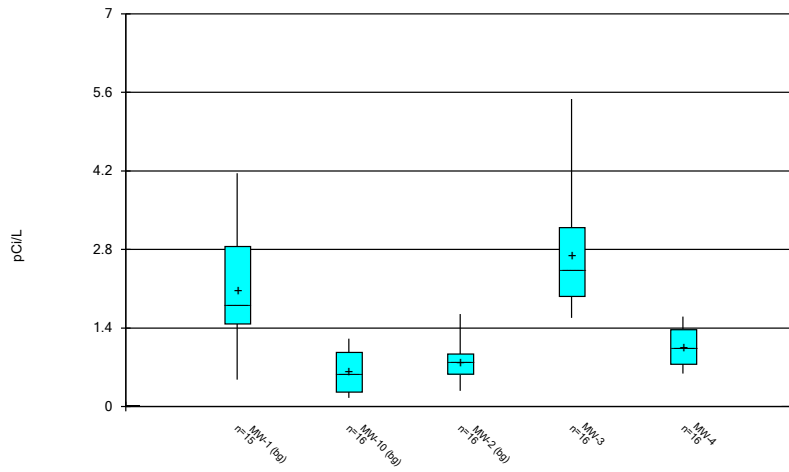
Constituent: Cobalt Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



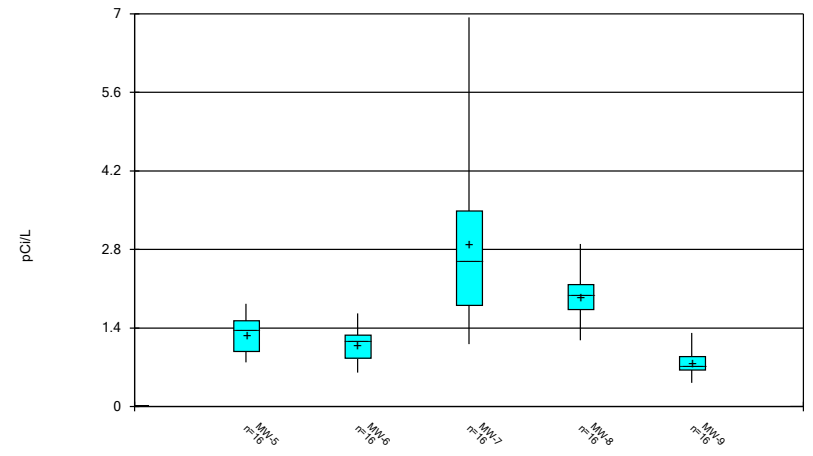
Constituent: Cobalt Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



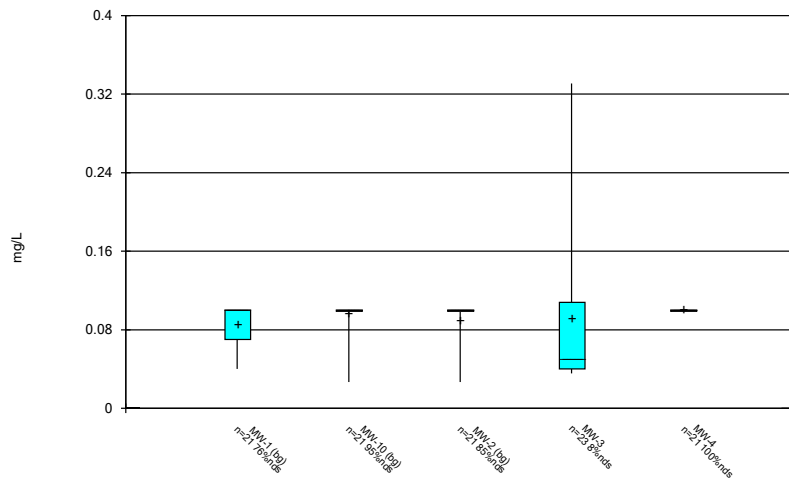
Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



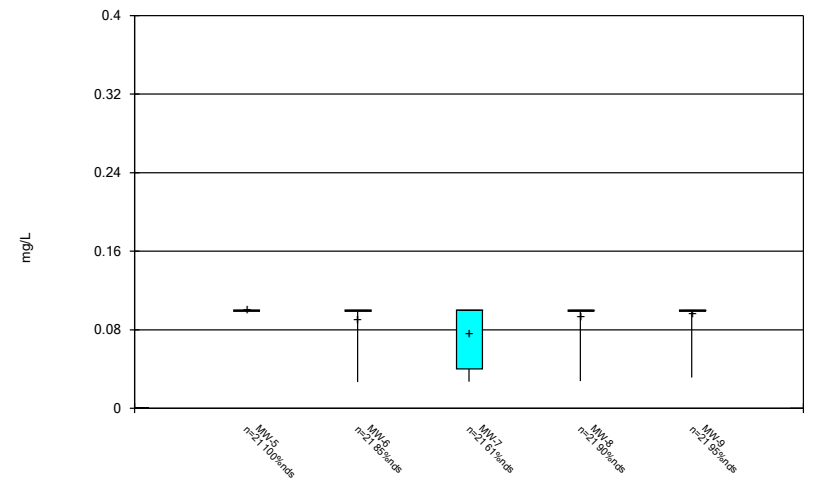
Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



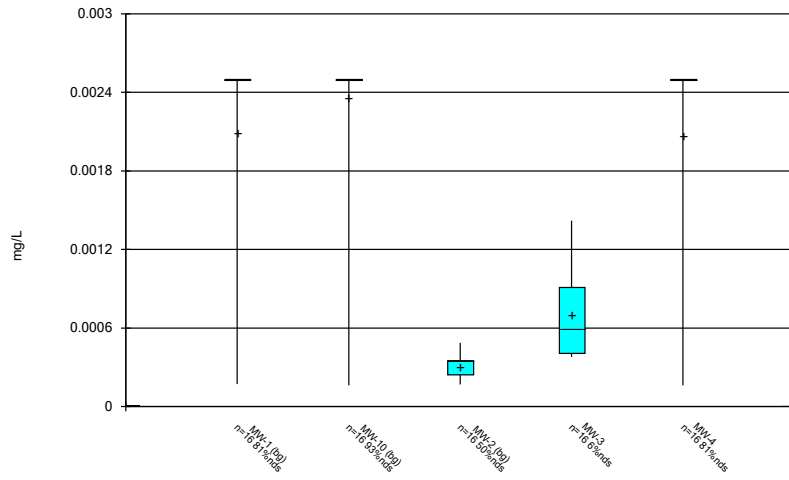
Constituent: Fluoride Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



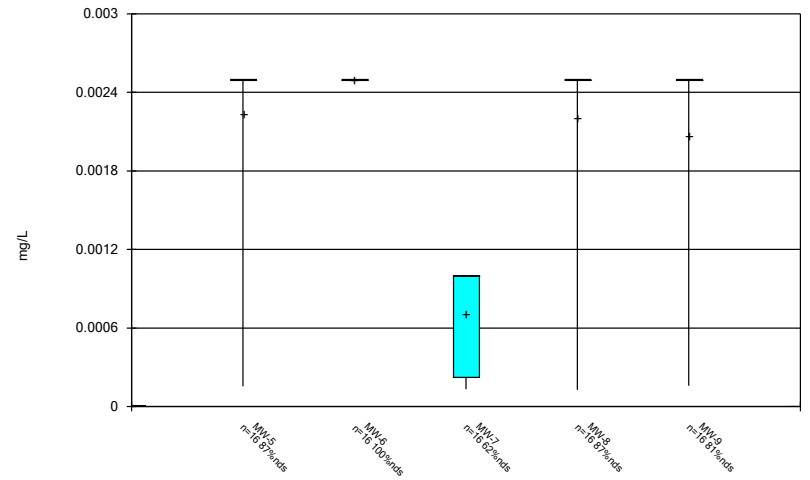
Constituent: Fluoride Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



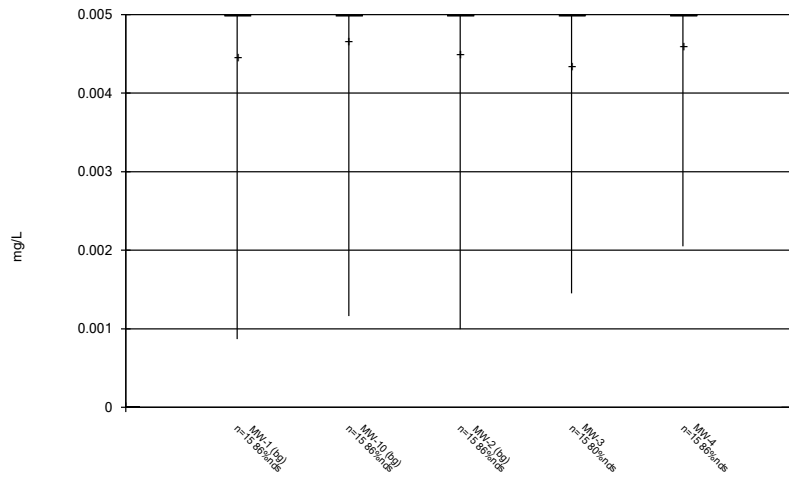
Constituent: Lead Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



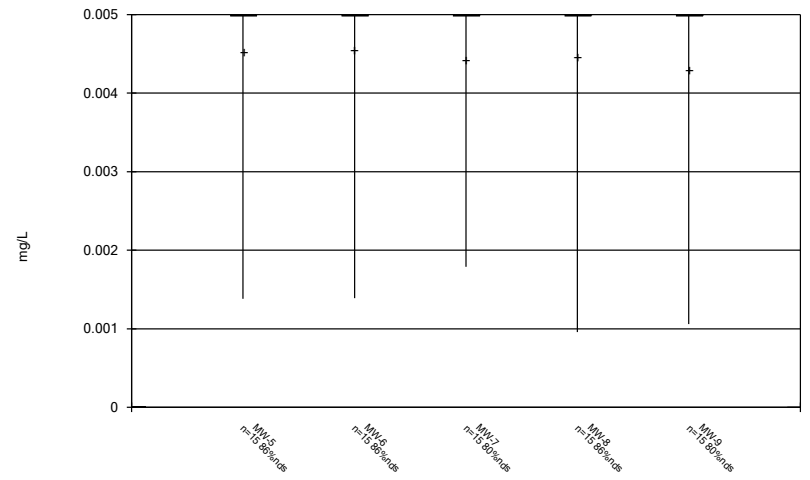
Constituent: Lead Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



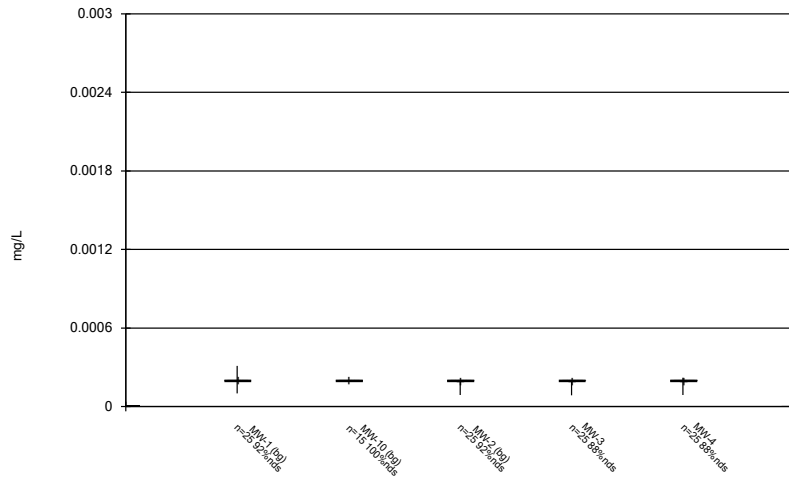
Constituent: Lithium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



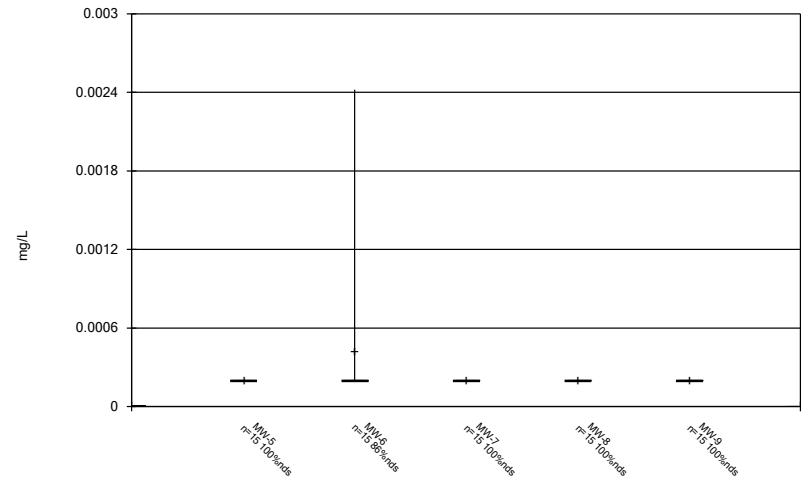
Constituent: Lithium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



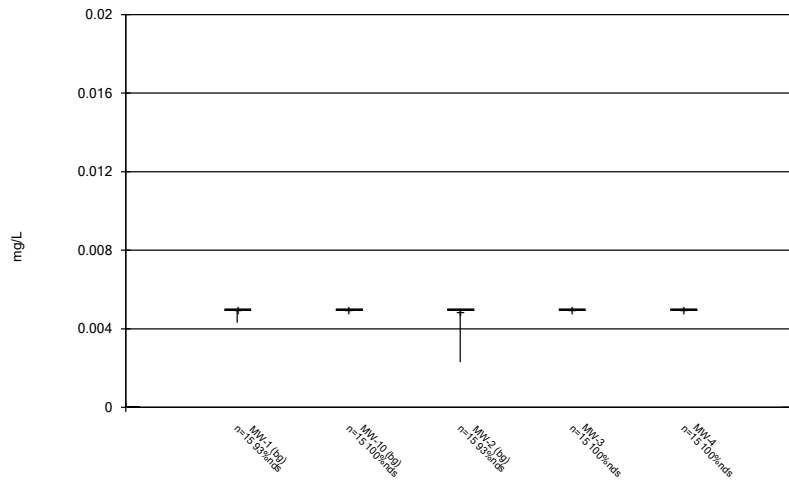
Constituent: Mercury Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



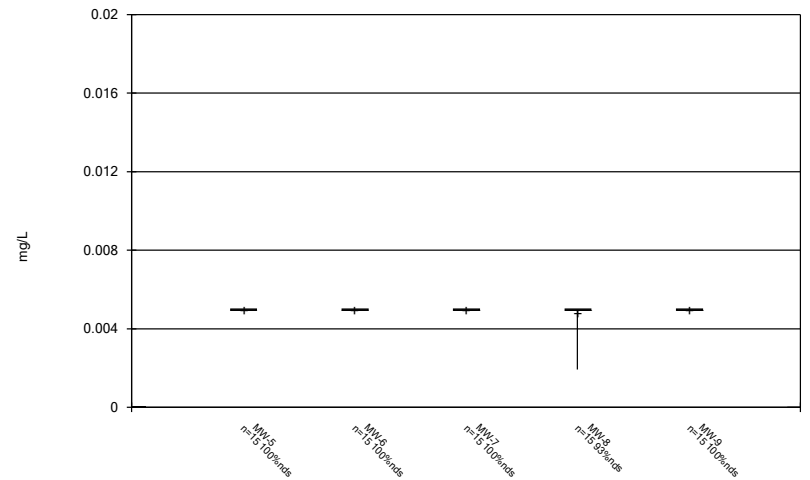
Constituent: Mercury Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



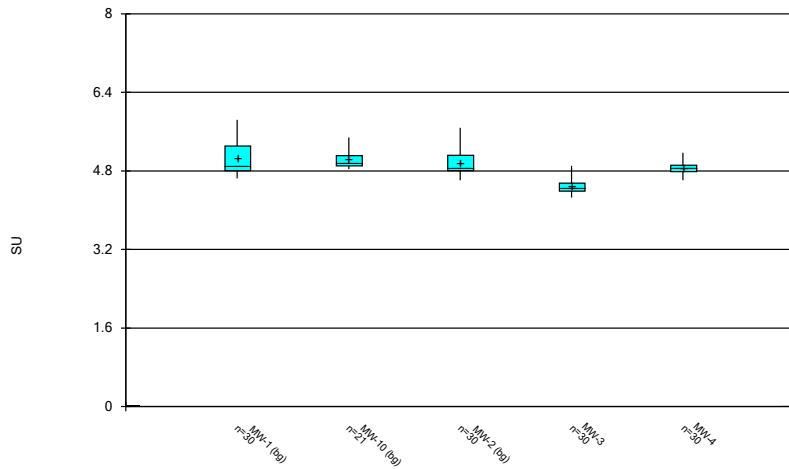
Constituent: Molybdenum Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



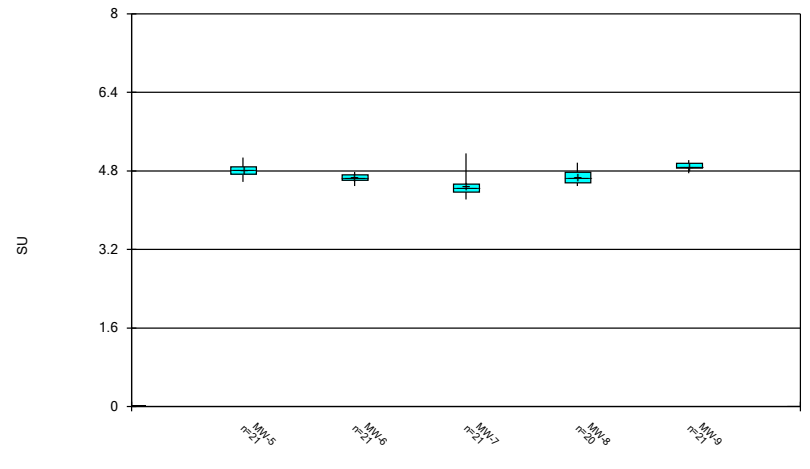
Constituent: Molybdenum Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



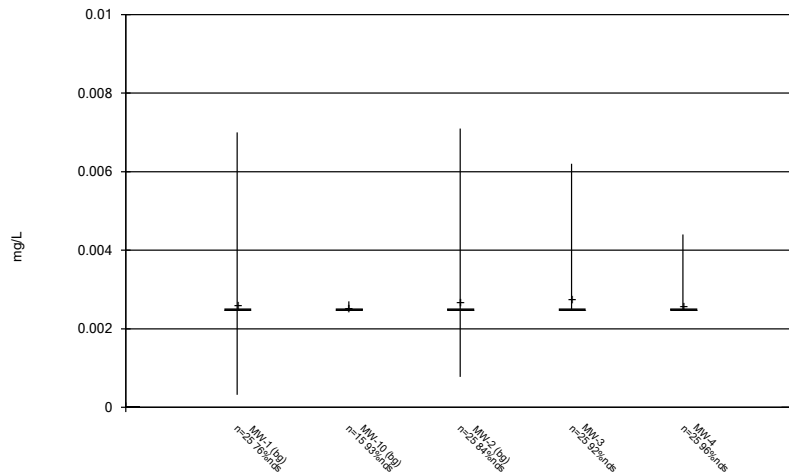
Constituent: pH Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



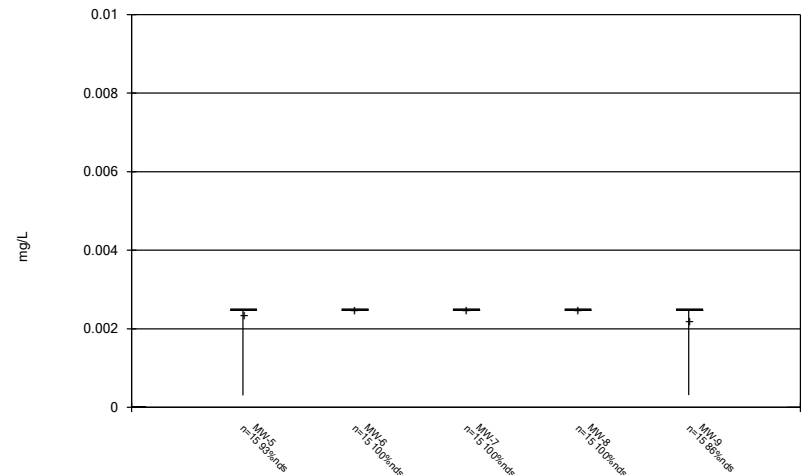
Constituent: pH Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



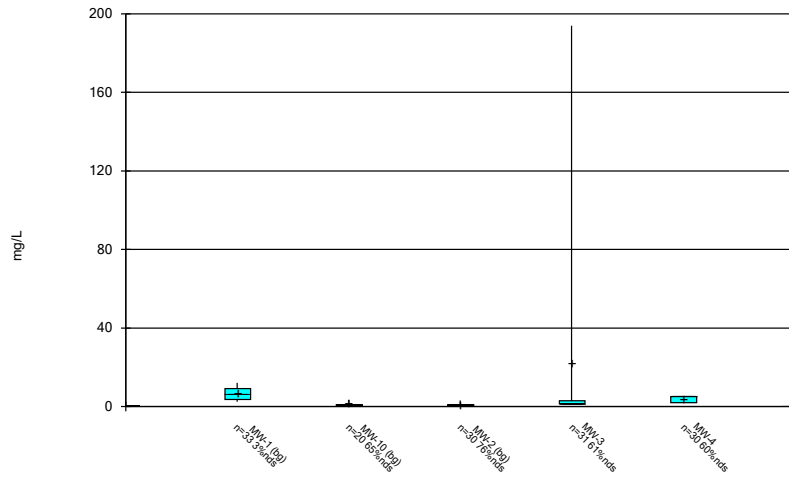
Constituent: Selenium Analysis Run 6/7/2023 8:01 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



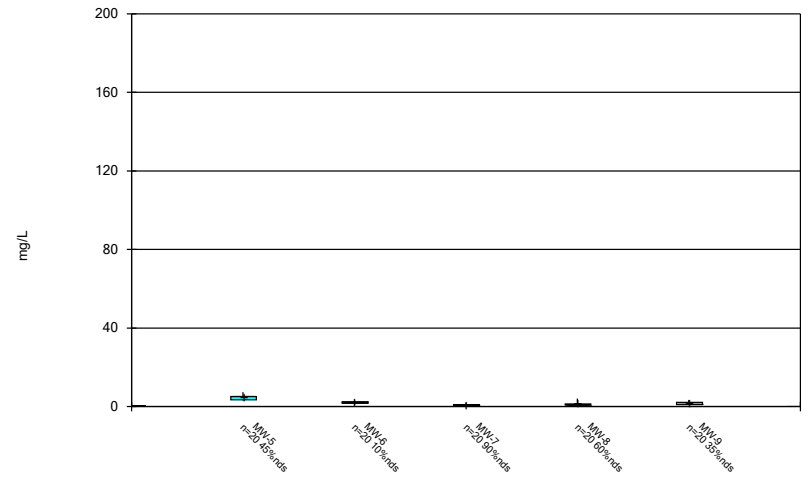
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



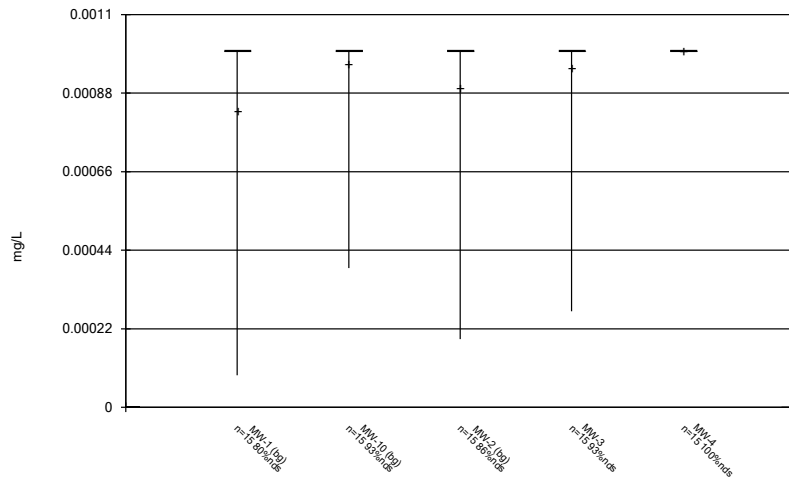
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



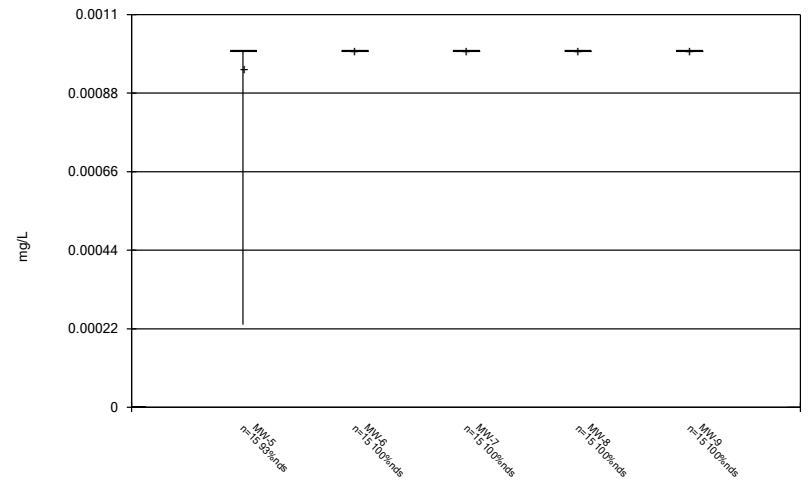
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



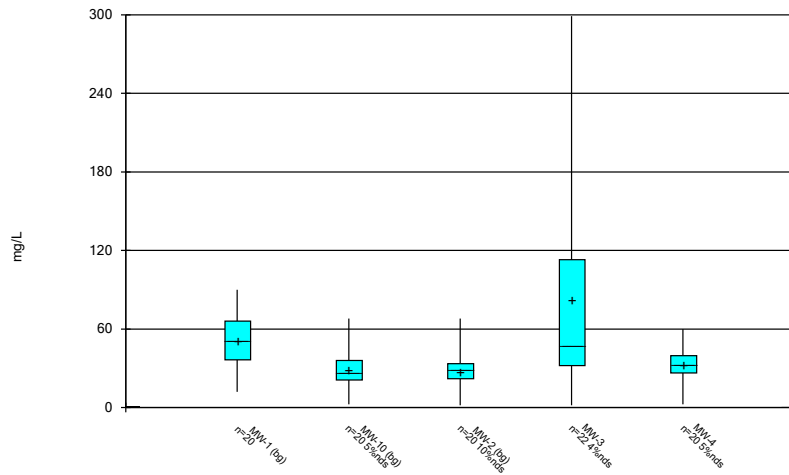
Constituent: Thallium Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



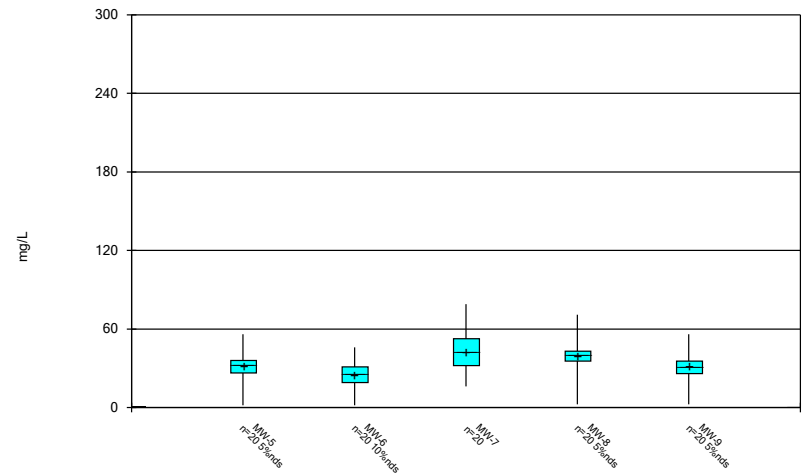
Constituent: Thallium Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 6/7/2023 8:01 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



FIGURE C.

# Outlier Summary

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/12/2023, 11:13 AM

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	MW-10 Calcium (mg/L)	MW-3 Calcium (mg/L)	MW-3 Chloride (mg/L)	MW-1 Combined Radium 226 + 228 (pCi/L)	MW-8 pH (SU)	MW-3 Sulfate (mg/L)
3/22/2016	2.7 (o)					
5/16/2016	2.9 (o)					
5/23/2017				7.14 (o)		
11/7/2018			25 (o)			
4/19/2019	6.3 (o)					19.5 (o)

FIGURE D.

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:08 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	4/17/2023	1.66	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	4/18/2023	2.68	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	4/18/2023	4.84	Yes	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-2	5.68	4.79	4/18/2023	4.61	Yes	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality) 1 of 2
pH (SU)	MW-4	5.101	4.653	4/17/2023	4.61	Yes	27	4.877	0.1084	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	4/18/2023	4.75	Yes	18	4.904	0.06661	0	None	No	0.0005373	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	4/18/2023	3.39	Yes	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	4/18/2023	7.27	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:08 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	MW-1	0.08	n/a	4/18/2023	0.0647J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-10	0.08	n/a	4/18/2023	0.0299J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	4/18/2023	0.0472J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.15	n/a	4/17/2023	0.046J	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	4/17/2023	0.0342J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	4/18/2023	0.0362J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	4/18/2023	0.0289J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.1	n/a	4/18/2023	0.1ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	4/18/2023	0.024J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	4.644	n/a	4/18/2023	3.03	No	8	3.261	0.473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.278	n/a	4/18/2023	0.853	No	16	0.8085	0.2075	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.288	n/a	4/18/2023	0.98	No	19	0.932	0.1632	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>1.615</b>	<b>n/a</b>	<b>4/17/2023</b>	<b>1.66</b>	<b>Yes</b>	<b>11</b>	<b>1.044</b>	<b>0.2254</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-4	2.387	n/a	4/17/2023	0.894	No	18	1.786	0.2723	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.433	n/a	4/18/2023	2.34	No	18	1.909	0.237	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.582	n/a	4/18/2023	0.649	No	18	1.219	0.1643	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-7</b>	<b>2.488</b>	<b>n/a</b>	<b>4/18/2023</b>	<b>2.68</b>	<b>Yes</b>	<b>18</b>	<b>1.641</b>	<b>0.3837</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-8	3.587	n/a	4/18/2023	1.81	No	19	2.392	0.5473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.284	n/a	4/18/2023	0.757	No	19	0.9727	0.1426	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	12.87	n/a	4/18/2023	4.07	No	17	5.716	3.201	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	8.092	n/a	4/18/2023	3.91	No	17	5.278	1.259	5.882	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	10.37	n/a	4/18/2023	8.09	No	17	8.149	0.9926	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.81	n/a	4/17/2023	8.55	No	16	9.844	0.8683	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	9.845	n/a	4/17/2023	5.87	No	17	7.669	0.9736	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.14	n/a	4/18/2023	5.97	No	17	7.845	1.472	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	10.5	n/a	4/18/2023	4.93	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-7	18.99	n/a	4/18/2023	7.27	No	17	182	79.97	0	None	x^2	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	12.06	n/a	4/18/2023	6.43	No	18	9.243	1.274	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	13.2	n/a	4/18/2023	5.44	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.198	n/a	4/17/2023	0.0355J	No	14	n/a	n/a	14.29	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	4/17/2023	0.1ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	4/18/2023	0.0348J	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	4/18/2023	0.1ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.742	4.434	4/18/2023	4.8	No	27	5.088	0.3167	0	None	No	0.0005373	Param Intra 1 of 2
<b>pH (SU)</b>	<b>MW-10</b>	<b>5.48</b>	<b>4.86</b>	<b>4/18/2023</b>	<b>4.84</b>	<b>Yes</b>	<b>18</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01075</b>	<b>NP Intra (normality) 1 of 2</b>
<b>pH (SU)</b>	<b>MW-2</b>	<b>5.68</b>	<b>4.79</b>	<b>4/18/2023</b>	<b>4.61</b>	<b>Yes</b>	<b>27</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005004</b>	<b>NP Intra (normality) 1 of 2</b>
pH (SU)	MW-3	4.793	4.198	4/17/2023	4.4	No	27	4.495	0.1441	0	None	No	0.0005373	Param Intra 1 of 2
<b>pH (SU)</b>	<b>MW-4</b>	<b>5.101</b>	<b>4.653</b>	<b>4/17/2023</b>	<b>4.61</b>	<b>Yes</b>	<b>27</b>	<b>4.877</b>	<b>0.1084</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0005373</b>	<b>Param Intra 1 of 2</b>
pH (SU)	MW-5	5.084	4.555	4/18/2023	4.58	No	18	4.819	0.1199	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	4/18/2023	4.56	No	18	4.666	0.07694	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	4/18/2023	4.32	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-8	4.977	4.352	4/18/2023	4.66	No	17	4.665	0.1398	0	None	No	0.0005373	Param Intra 1 of 2
<b>pH (SU)</b>	<b>MW-9</b>	<b>5.051</b>	<b>4.757</b>	<b>4/18/2023</b>	<b>4.75</b>	<b>Yes</b>	<b>18</b>	<b>4.904</b>	<b>0.06661</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0005373</b>	<b>Param Intra 1 of 2</b>

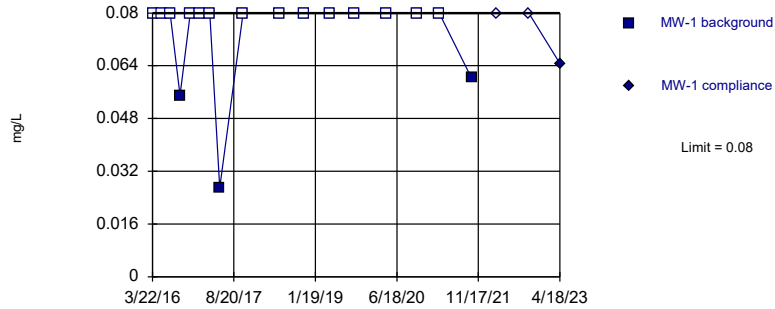
# Appendix III Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:08 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	MW-1	13.22	n/a	4/18/2023	7.46	No	16	8.634	2.028	6.25	None	No	0.001075	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-10</b>	<b>2.1</b>	<b>n/a</b>	<b>4/18/2023</b>	<b>3.39</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>70.59</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-2	3.1	n/a	4/18/2023	0.784J	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	4/17/2023	1.58	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-4	5	n/a	4/17/2023	2.15	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-5</b>	<b>6.05</b>	<b>n/a</b>	<b>4/18/2023</b>	<b>7.27</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>52.94</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-6	3.436	n/a	4/18/2023	1.23	No	17	2.15	0.5757	11.76	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1.57	n/a	4/18/2023	1ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	4.11	n/a	4/18/2023	2.83	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.045	n/a	4/18/2023	2.88	No	17	1.127	0.1444	41.18	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-1	102.2	n/a	4/18/2023	37	No	17	52	22.48	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	61.8	n/a	4/18/2023	34	No	17	28.09	15.09	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	60.69	n/a	4/18/2023	35	No	17	25.49	15.75	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	131.8	n/a	4/17/2023	42	No	14	46.84	36.1	7.143	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	64.23	n/a	4/17/2023	34	No	17	33.09	13.93	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	58.71	n/a	4/18/2023	29	No	17	32.1	11.91	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	52.16	n/a	4/18/2023	32	No	17	24.08	12.56	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	65.57	n/a	4/18/2023	53	No	17	39.06	11.86	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-8	76.83	n/a	4/18/2023	35	No	17	40.38	16.31	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	54.68	n/a	4/18/2023	23	No	17	30.44	10.85	5.882	None	No	0.001075	Param Intra 1 of 2

Within Limit

Prediction Limit  
Intrawell Non-parametric

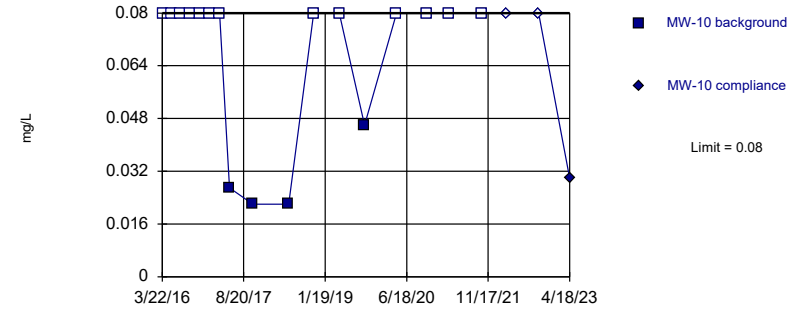


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

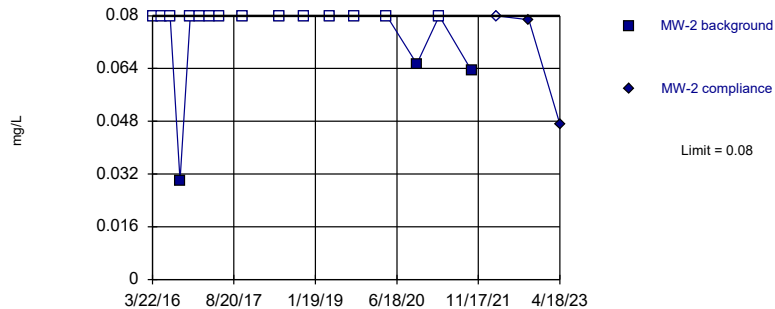


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

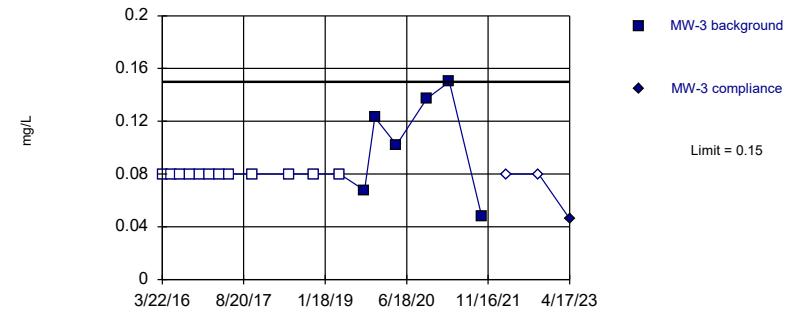


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

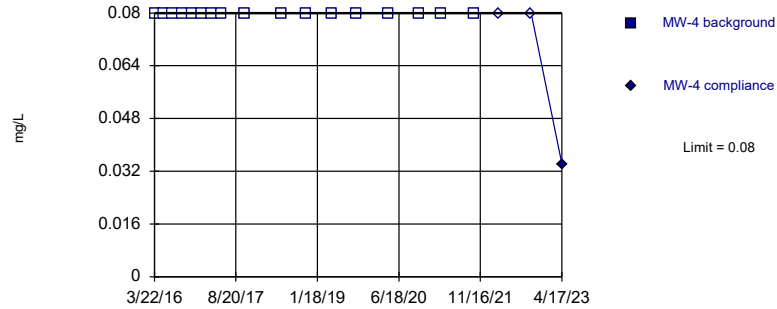


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

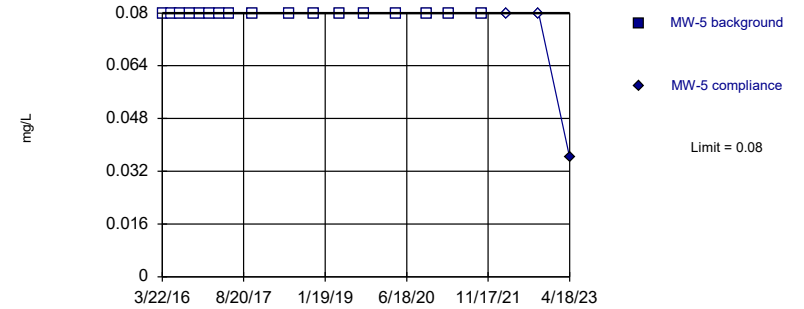


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

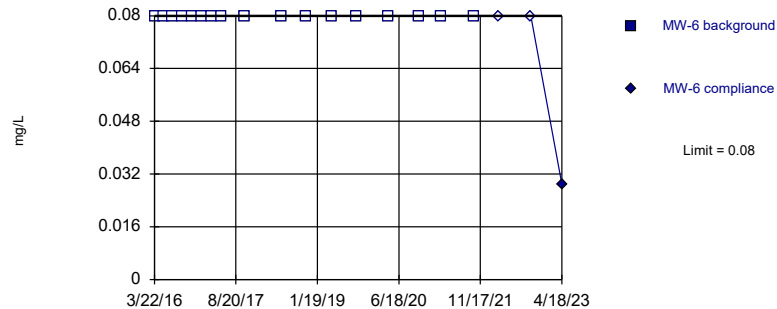


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

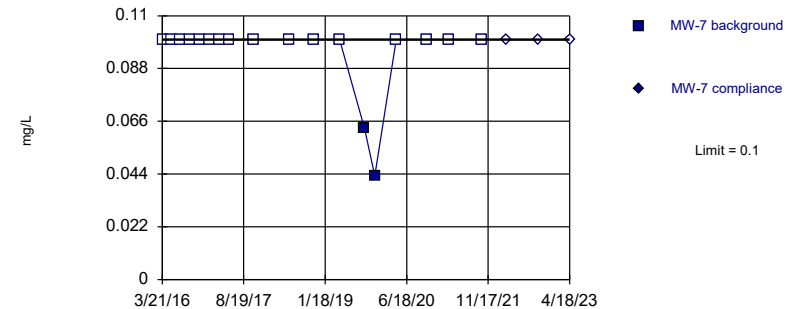


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



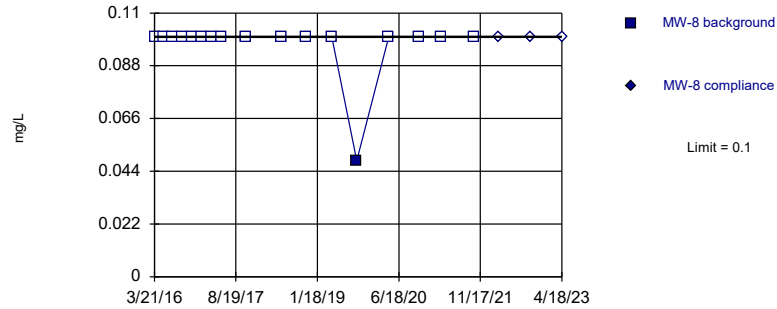
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

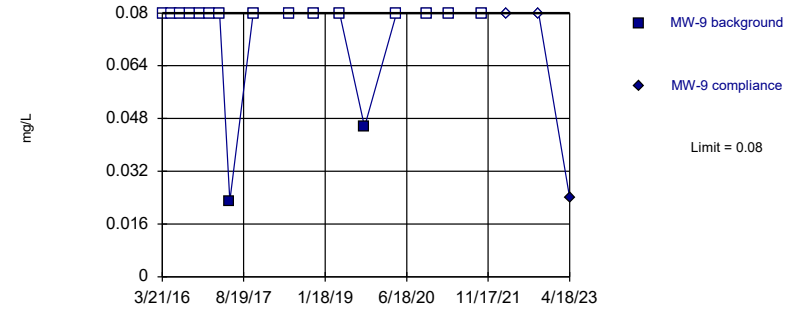


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

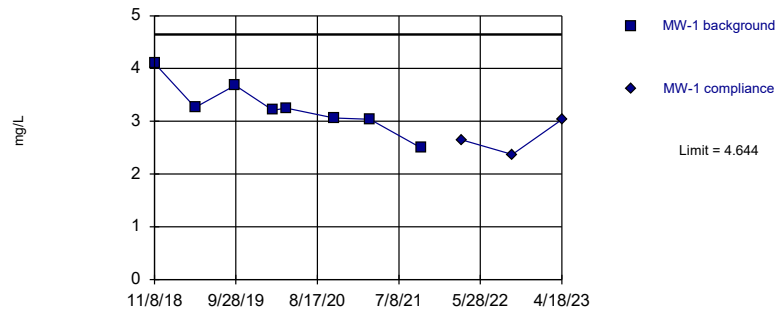


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

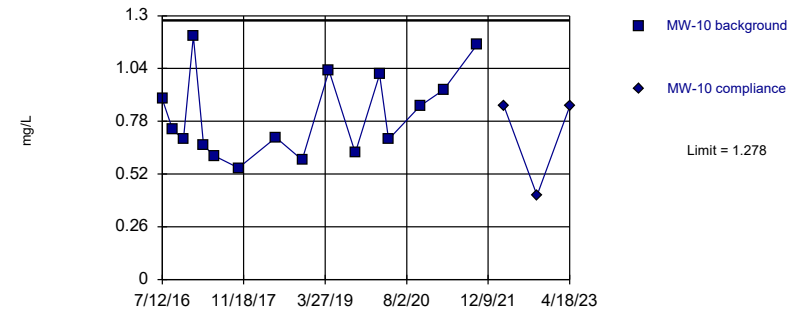


Background Data Summary: Mean=3.261, Std. Dev.=0.473, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.749. Kappa = 2.923 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

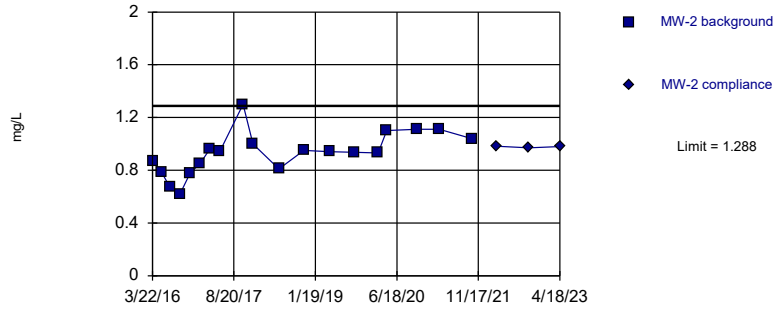


Background Data Summary: Mean=0.8085, Std. Dev.=0.2075, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9117, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

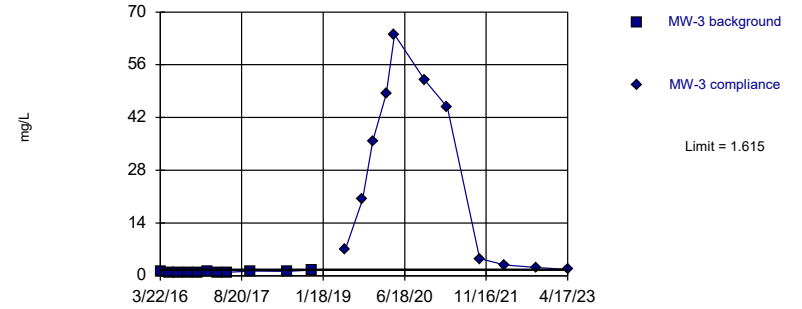


Background Data Summary: Mean=0.932, Std. Dev.=0.1632, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9763, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

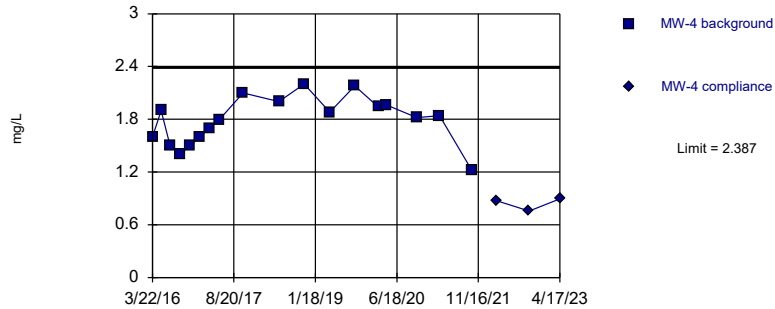


Background Data Summary: Mean=1.044, Std. Dev.=0.2254, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.792. Kappa = 2.535 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

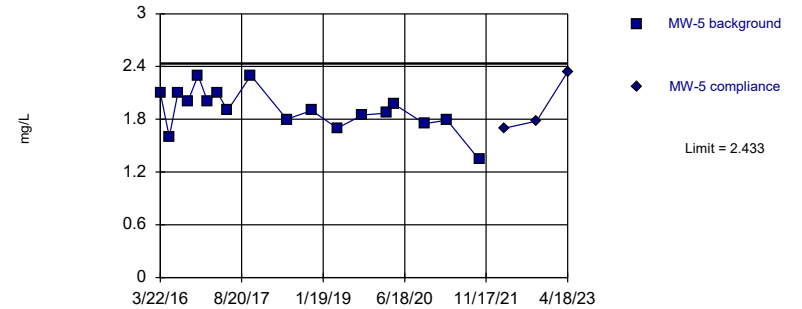


Background Data Summary: Mean=1.786, Std. Dev.=0.2723, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric



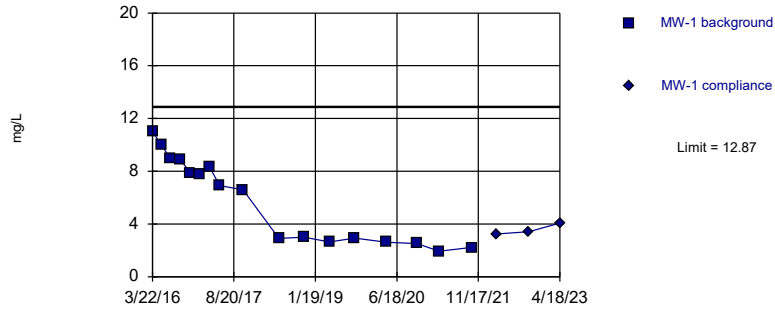
Background Data Summary: Mean=1.909, Std. Dev.=0.237, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9661, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Within Limit

Prediction Limit  
Intrawell Parametric

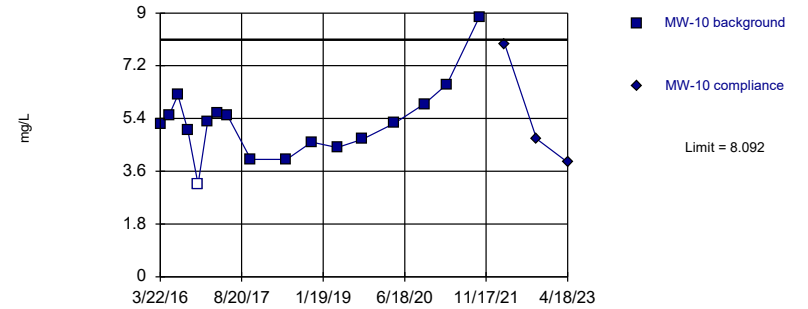


Background Data Summary: Mean=5.716, Std. Dev.=3.201, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.857, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

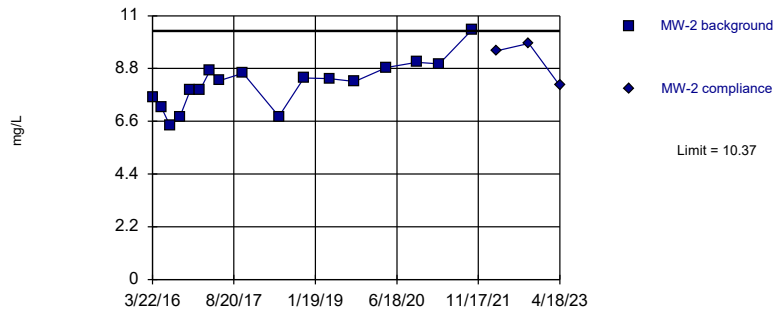


Background Data Summary: Mean=5.278, Std. Dev.=1.259, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9135, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

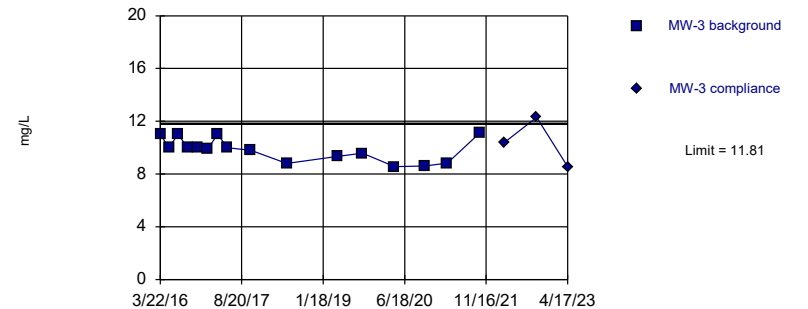


Background Data Summary: Mean=8.149, Std. Dev.=0.9926, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9623, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

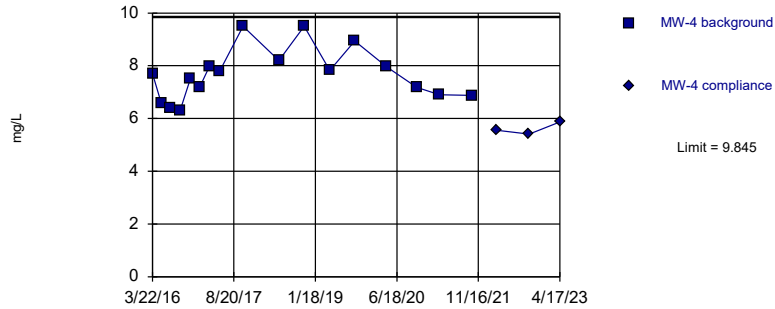


Background Data Summary: Mean=9.844, Std. Dev.=0.8683, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9056, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Parametric

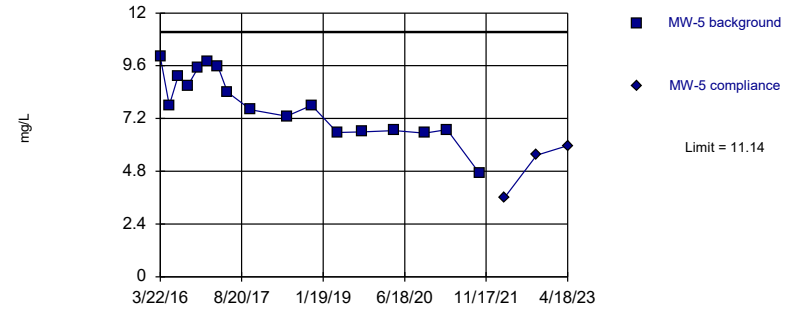


Background Data Summary: Mean=7.669, Std. Dev.=0.9736, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9376, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Parametric

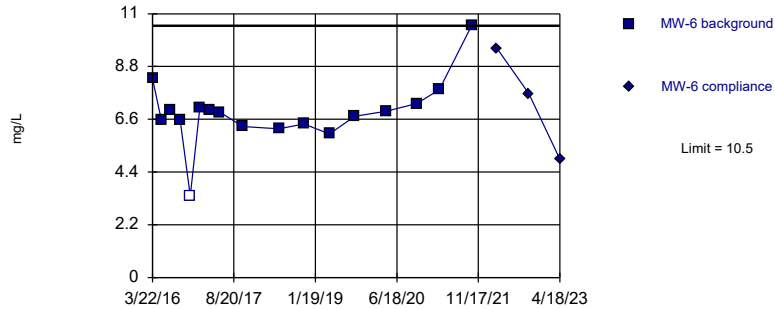


Background Data Summary: Mean=7.845, Std. Dev.=1.472, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

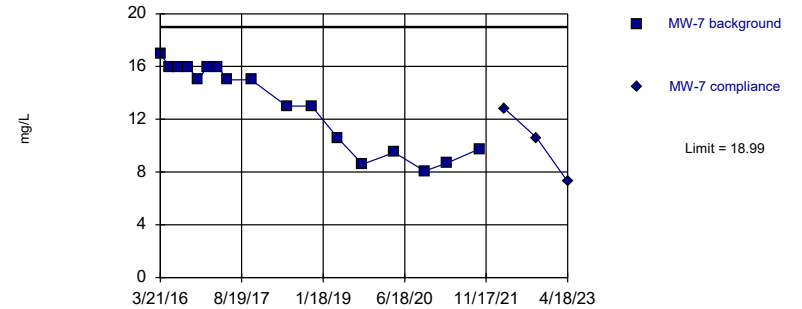


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

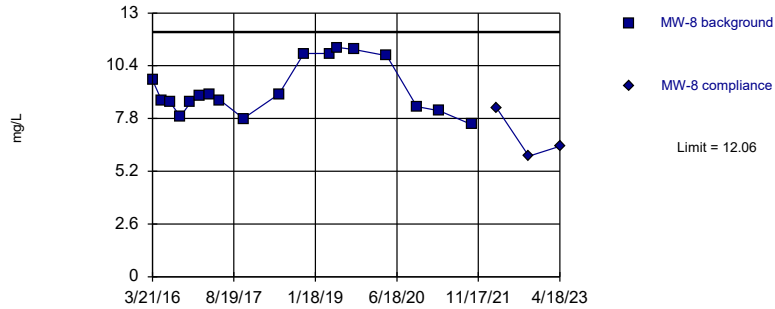
Within Limit

### Prediction Limit Intrawell Parametric



Within Limit

### Prediction Limit Intrawell Parametric

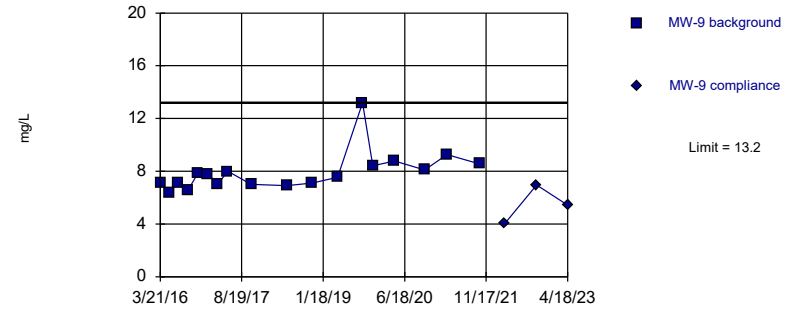


Background Data Summary: Mean=9.243, Std. Dev.=1.274, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8718, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

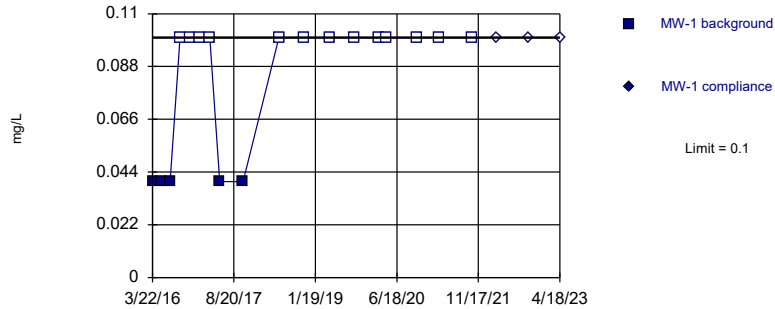


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Chloride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

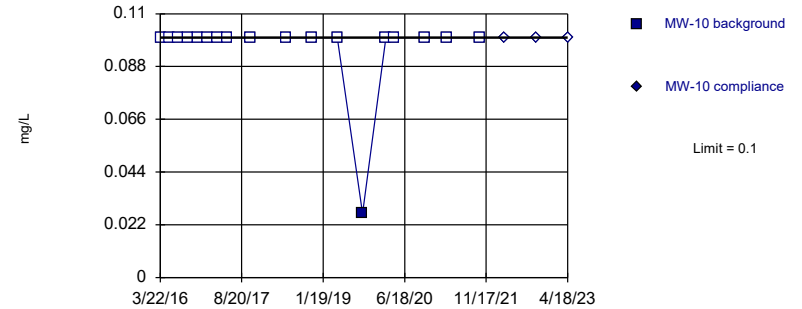


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

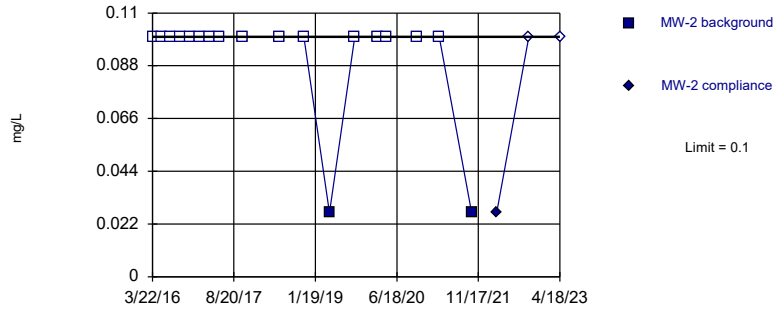
Within Limit

### Prediction Limit Intrawell Non-parametric



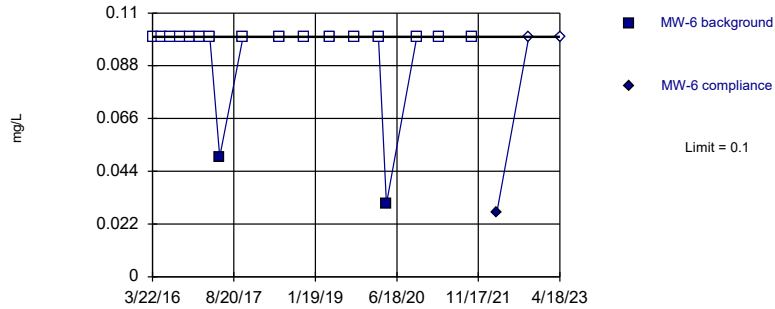
Within Limit

Prediction Limit  
Intrawell Non-parametric



Within Limit

Prediction Limit  
Intrawell Non-parametric

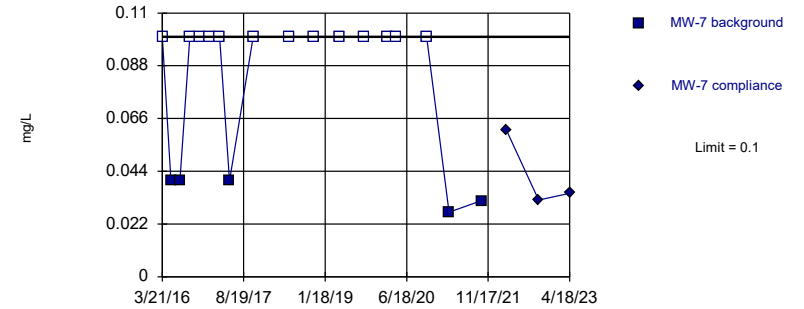


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

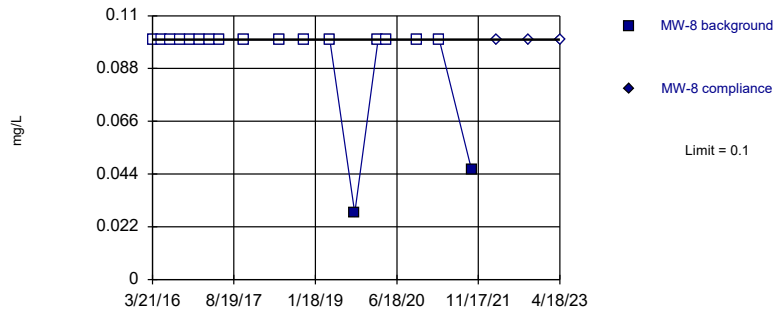


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

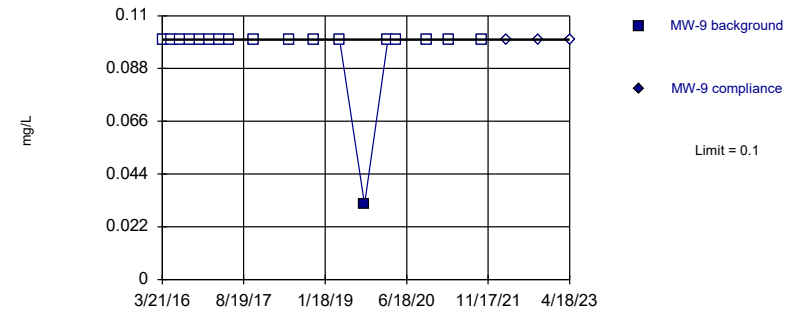


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric



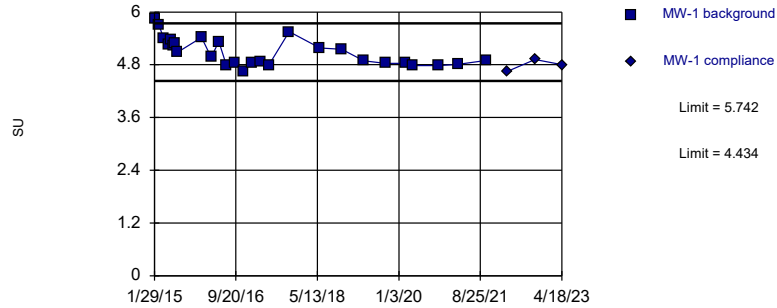
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Within Limits

### Prediction Limit Intrawell Parametric

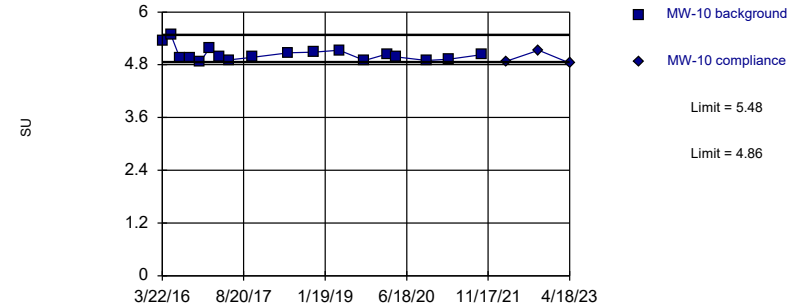


Background Data Summary: Mean=5.088, Std. Dev.=0.3167, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limits

### Prediction Limit Intrawell Non-parametric

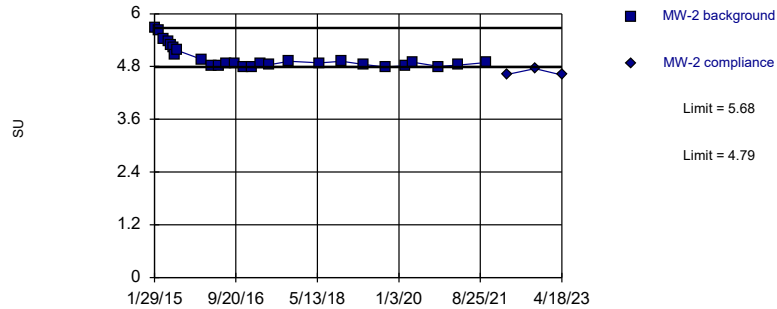


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limits

### Prediction Limit Intrawell Non-parametric

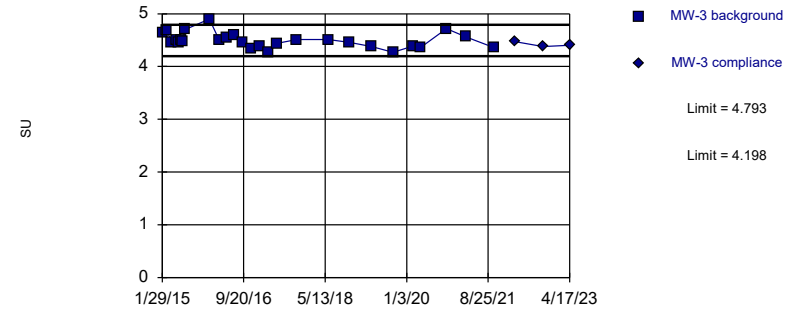


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 27 background values. Well-constituent pair annual alpha = 0.009996. Individual comparison alpha = 0.005004 (1 of 2).

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

### Prediction Limit Intrawell Parametric

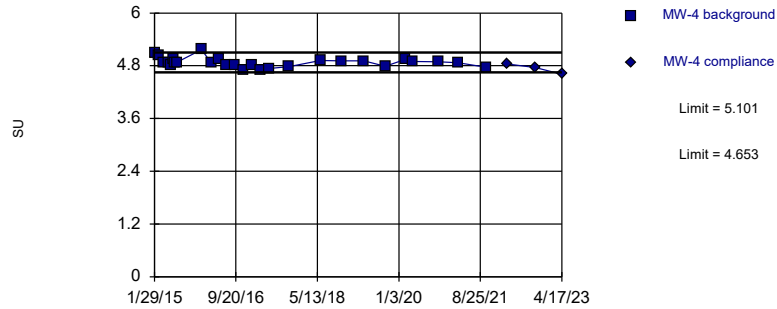


Background Data Summary: Mean=4.495, Std. Dev.=0.1441, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.95, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

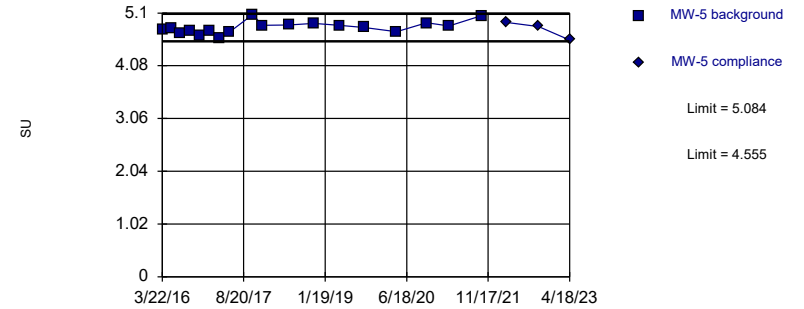


Background Data Summary: Mean=4.877, Std. Dev.=0.1084, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9473, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

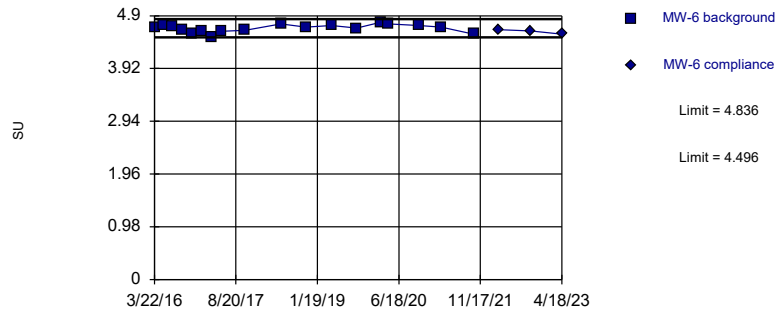


Background Data Summary: Mean=4.819, Std. Dev.=0.1199, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

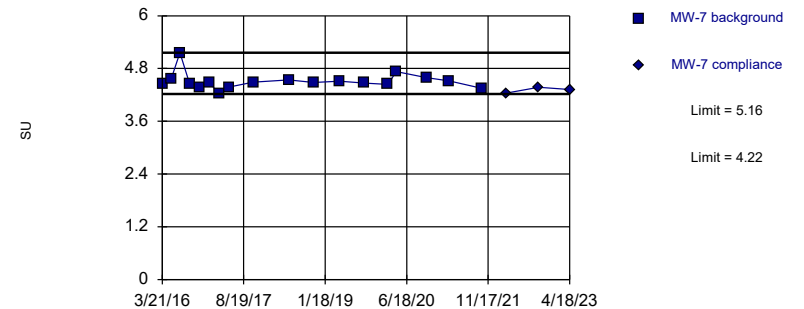


Background Data Summary: Mean=4.666, Std. Dev.=0.07694, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9541, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

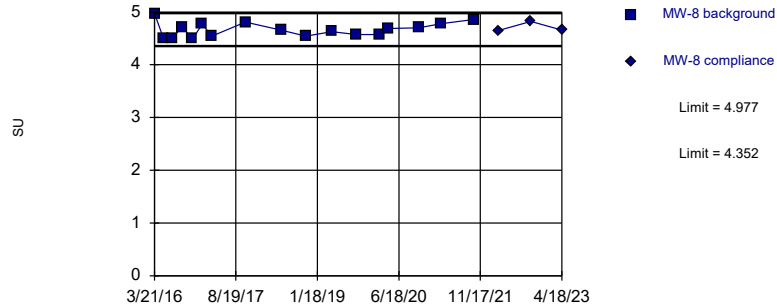


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

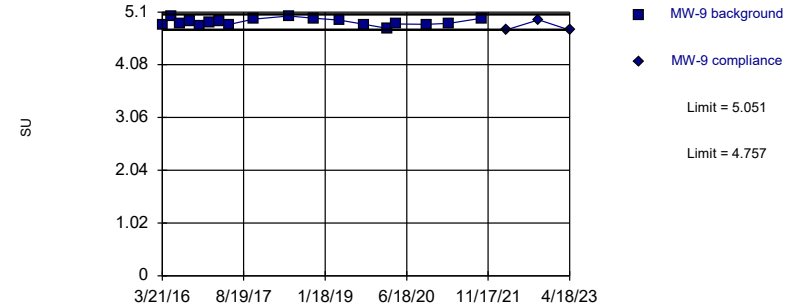


Background Data Summary: Mean=4.665, Std. Dev.=0.1398, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limits

Prediction Limit  
Intrawell Parametric

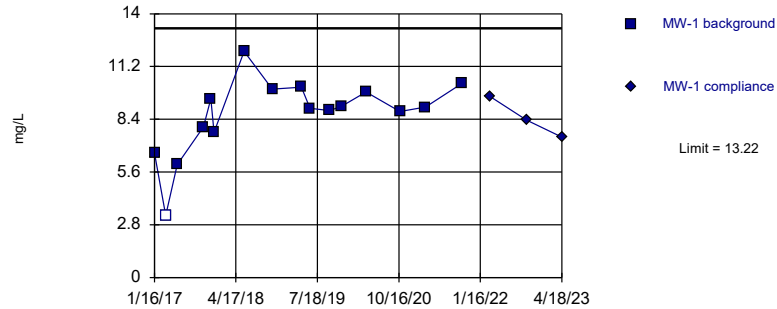


Background Data Summary: Mean=4.904, Std. Dev.=0.06661, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

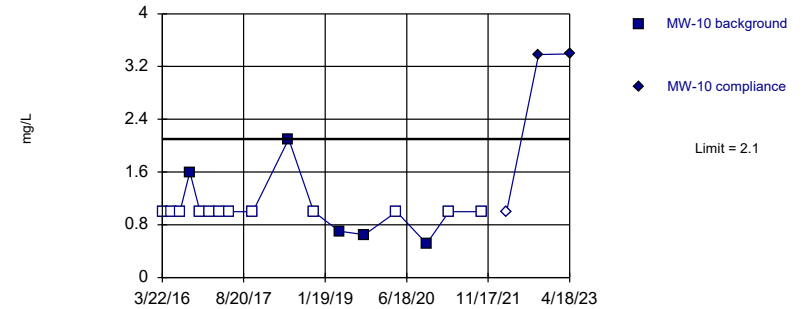


Background Data Summary: Mean=8.634, Std. Dev.=2.028, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9092, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 5/10/2023 9:05 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

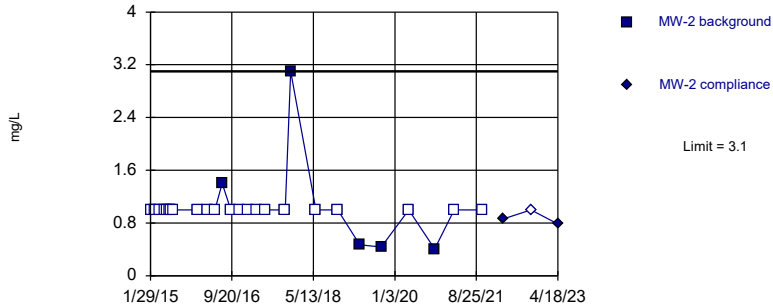
Exceeds Limit

Prediction Limit  
Intrawell Non-parametric



Within Limit

Prediction Limit  
Intrawell Non-parametric

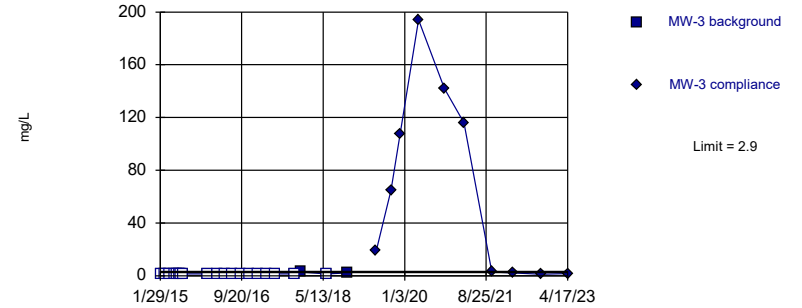


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

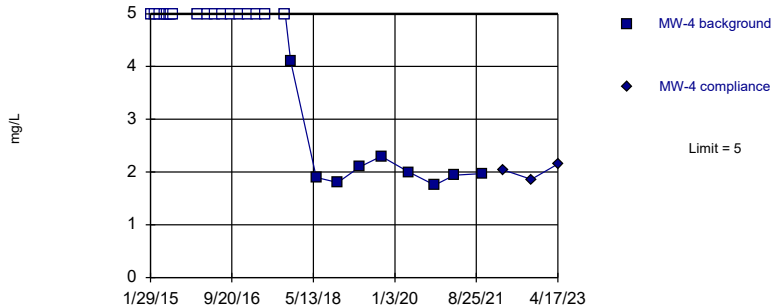


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Sulfate Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

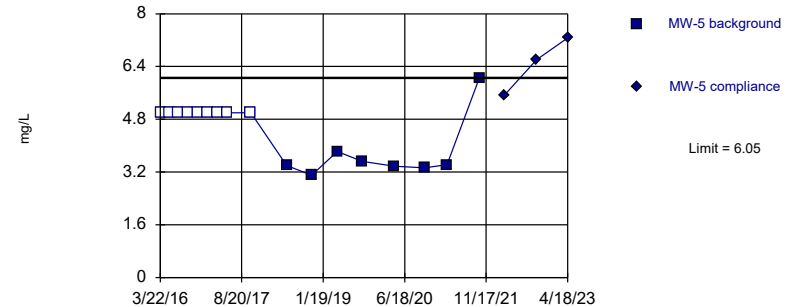


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

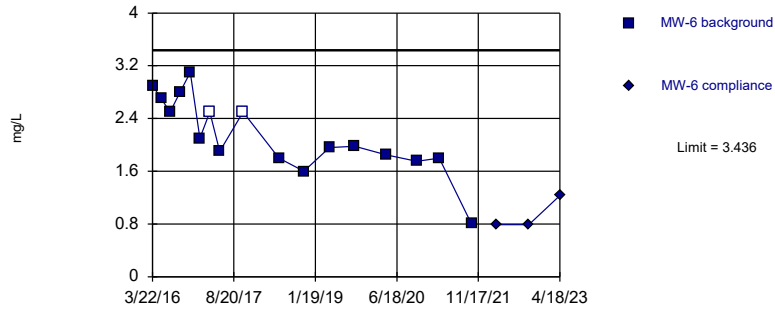


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

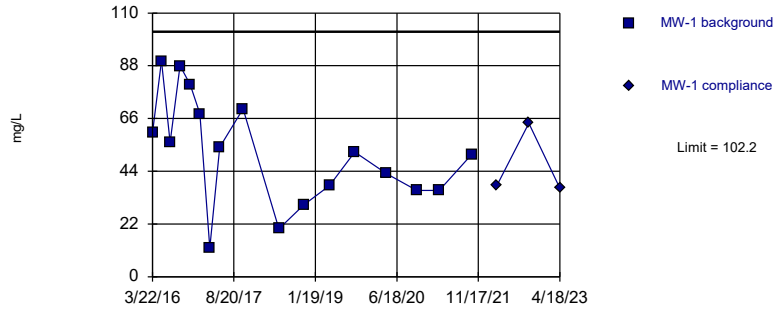
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

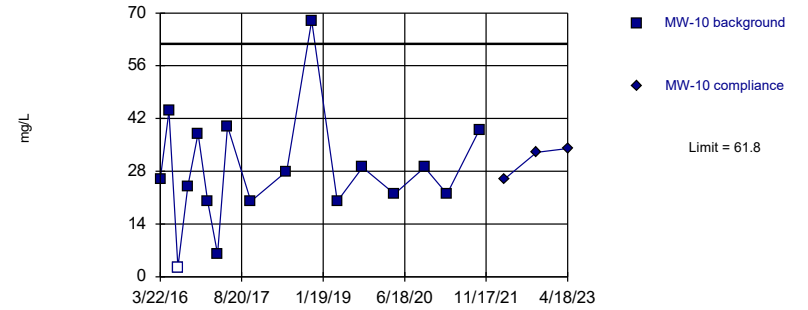


Background Data Summary: Mean=52, Std. Dev.=22.48, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9759, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

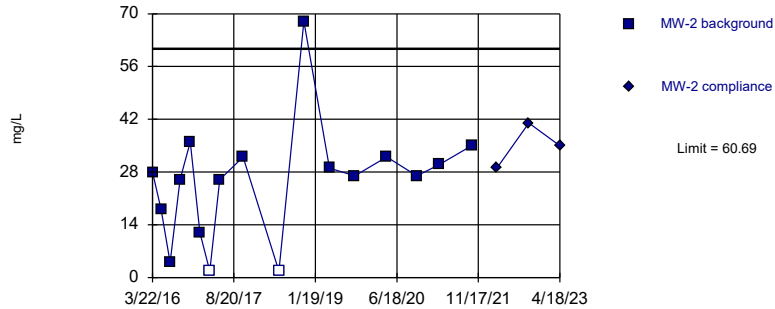


Background Data Summary: Mean=28.09, Std. Dev.=15.09, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9241, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

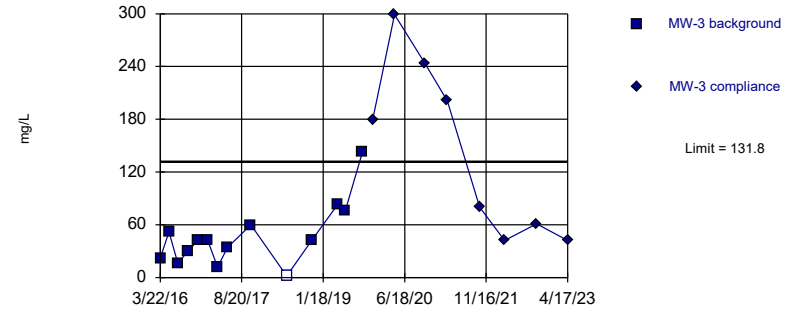


Background Data Summary: Mean=25.49, Std. Dev.=15.75, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8725, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

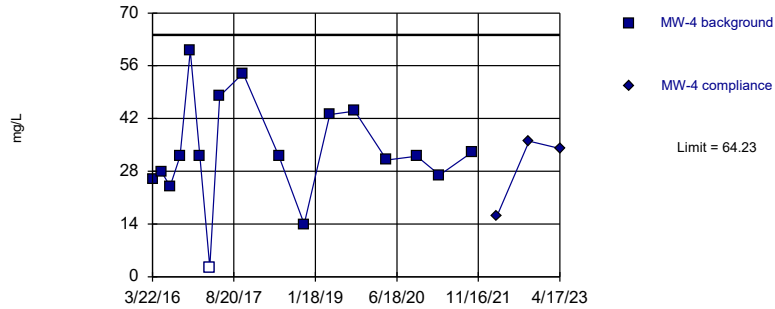
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

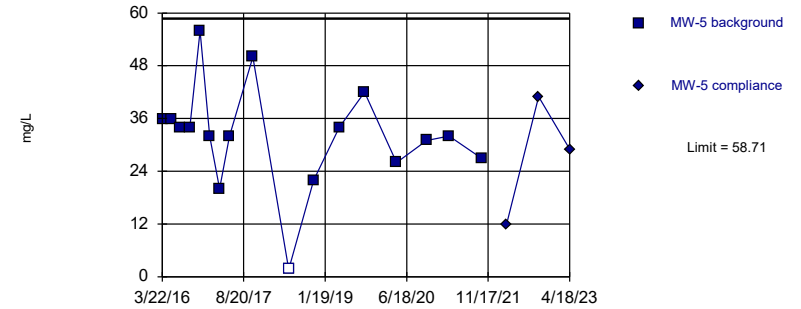


Background Data Summary: Mean=33.09, Std. Dev.=13.93, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9527, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

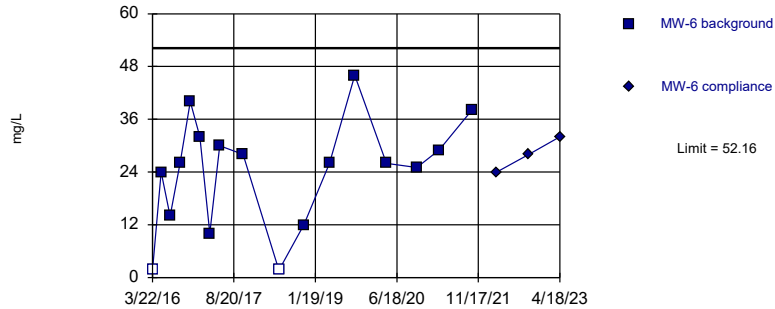


Background Data Summary: Mean=32.1, Std. Dev.=11.91, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9243, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

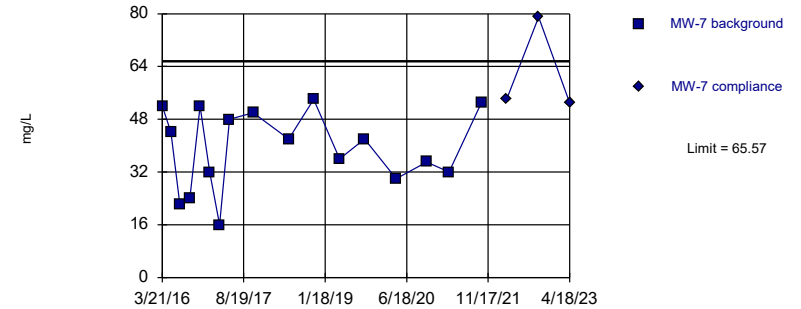


Background Data Summary: Mean=24.08, Std. Dev.=12.56, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

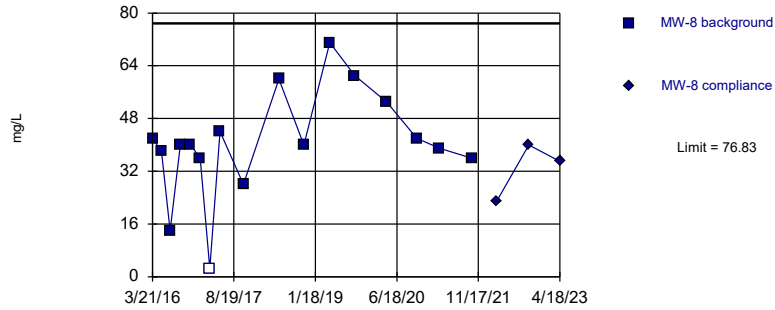


Background Data Summary: Mean=39.06, Std. Dev.=11.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9358, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

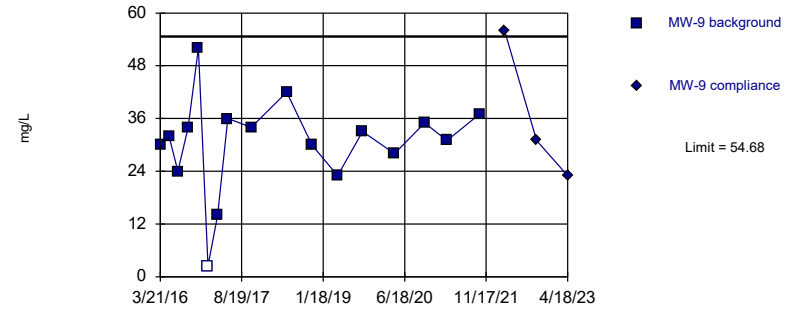


Background Data Summary: Mean=40.38, Std. Dev.=16.31, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=30.44, Std. Dev.=10.85, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9182, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/10/2023 9:06 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	<0.08	
5/17/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	0.055	
11/17/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	0.027 (J)	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	0.0603 (J)	
3/14/2022		<0.08
10/3/2022		<0.08
4/18/2023		0.0647 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	<0.08	
5/16/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	<0.08	
11/17/2016	<0.08	
1/17/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	0.027 (J)	
10/18/2017	0.022 (J)	
6/1/2018	0.022 (J)	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.046 (J)	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/14/2022		<0.08
10/3/2022		<0.08
4/18/2023		0.0299 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/13/2016	0.03 (J)	
11/17/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	0.0654 (J)	
3/15/2021	<0.08	
10/6/2021	0.0634 (J)	
3/14/2022		<0.08
10/3/2022		0.0788 (J)
4/18/2023		0.0472 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/12/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/22/2017	<0.08	
10/17/2017	<0.08	
6/2/2018	<0.08	
11/7/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.0677	
11/29/2019	0.123	
4/14/2020	0.102	
10/23/2020	0.137	
3/15/2021	0.15	
10/6/2021	0.0481 (J)	
3/14/2022		<0.08
10/3/2022		<0.08
4/17/2023		0.046 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	<0.08	
5/16/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/14/2022		<0.08
10/4/2022		<0.08
4/17/2023		0.0342 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	<0.08	
5/17/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/15/2022		<0.08
10/4/2022		<0.08
4/18/2023		0.0362 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/12/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/22/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/14/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/15/2022		<0.08
10/4/2022		<0.08
4/18/2023		0.0289 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	<0.1	
5/16/2016	<0.1	
7/11/2016	<0.1	
9/12/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/22/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.063	
11/29/2019	0.0432 (J)	
4/14/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/15/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	<0.1	
5/17/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/17/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.0484 (J)	
4/15/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/13/2016	<0.08	
11/17/2016	<0.08	
1/17/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	0.023 (J)	
10/18/2017	<0.08	
6/1/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.0455 (J)	
4/15/2020	<0.08	
10/22/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/14/2022		<0.08
10/3/2022		<0.08
4/18/2023		0.024 (J)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	6.6	
5/17/2016	7.4	
7/12/2016	5	
9/13/2016	5.5	
11/17/2016	4.8	
1/16/2017	5	
3/20/2017	5.3	
5/23/2017	5	
10/18/2017	7.6	
6/2/2018	4.5	
11/8/2018	4.1	
4/19/2019	3.26	
9/25/2019	3.68	
2/22/2020	3.21	
4/15/2020	3.25	
10/23/2020	3.06	
3/15/2021	3.04	
10/6/2021	2.49	
3/14/2022		2.65
10/3/2022		2.37
4/18/2023		3.03

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	2.7 (o)	
5/16/2016	2.9 (o)	
7/12/2016	0.89	
9/13/2016	0.74	
11/17/2016	0.69	
1/17/2017	1.2	
3/20/2017	0.66	
5/23/2017	0.61	
10/18/2017	0.55	
6/1/2018	0.7	
11/8/2018	0.59	
4/19/2019	1.03	
9/25/2019	0.625	
2/21/2020	1.01	
4/15/2020	0.69	
10/23/2020	0.856	
3/15/2021	0.935	
10/6/2021	1.16	
3/14/2022		0.857
10/3/2022		0.415 (J)
4/18/2023		0.853

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	0.87	
5/16/2016	0.79	
7/11/2016	0.67	
9/13/2016	0.62	
11/17/2016	0.78	
1/16/2017	0.85	
3/20/2017	0.96	
5/23/2017	0.94	
10/18/2017	1.3	
12/19/2017	1 (RS)	
6/2/2018	0.81	
11/8/2018	0.95	
4/19/2019	0.942	
9/25/2019	0.935	
2/21/2020	0.931	
4/15/2020	1.1	
10/23/2020	1.11	
3/15/2021	1.11	
10/6/2021	1.04	
3/14/2022		0.982
10/3/2022		0.969
4/18/2023		0.98

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	1.2	
5/16/2016	0.92	
7/11/2016	0.78	
9/12/2016	0.94	
11/16/2016	0.81	
1/16/2017	1	
3/20/2017	0.92	
5/22/2017	0.91	
10/17/2017	1.3	
6/2/2018	1.2	
11/7/2018	1.5	
4/19/2019	6.3 (o)	
6/7/2019		6.91
9/25/2019		20.2
11/29/2019		35.8
2/22/2020		48.2
4/14/2020		64
10/23/2020		52
3/15/2021		44.7
10/6/2021		4.54
3/14/2022		2.87
10/3/2022		2.19
4/17/2023		1.66

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	1.6	
5/16/2016	1.9	
7/12/2016	1.5	
9/13/2016	1.4	
11/16/2016	1.5	
1/16/2017	1.6	
3/20/2017	1.7	
5/23/2017	1.8	
10/18/2017	2.1	
6/2/2018	2	
11/8/2018	2.2	
4/19/2019	1.88	
9/25/2019	2.18	
2/22/2020	1.94	
4/15/2020	1.96	
10/23/2020	1.82	
3/15/2021	1.84	
10/6/2021	1.22	
3/14/2022		0.873
10/4/2022		0.755
4/17/2023		0.894

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	2.1	
5/17/2016	1.6	
7/12/2016	2.1	
9/13/2016	2	
11/16/2016	2.3	
1/16/2017	2	
3/20/2017	2.1	
5/23/2017	1.9	
10/18/2017	2.3	
6/2/2018	1.8	
11/8/2018	1.9	
4/19/2019	1.7	
9/25/2019	1.85	
2/22/2020	1.87	
4/15/2020	1.97	
10/23/2020	1.75	
3/15/2021	1.79	
10/6/2021	1.34	
3/15/2022		1.7
10/4/2022		1.78
4/18/2023		2.34



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	1.4	
5/16/2016	1.3	
7/11/2016	1.3	
9/12/2016	1.1	
11/16/2016	1.6	
1/16/2017	1.2	
3/20/2017	1.2	
5/22/2017	1.1	
10/18/2017	1.1	
6/2/2018	1.1	
11/8/2018	1.1	
4/19/2019	0.998	
9/25/2019	1.09	
2/22/2020	1.09	
4/14/2020	1.2	
10/23/2020	1.17	
3/15/2021	1.4	
10/6/2021	1.5	
3/15/2022		1.22
10/4/2022		0.804
4/18/2023		0.649

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	1.9	
5/16/2016	2	
7/11/2016	1.9	
9/12/2016	1.8	
11/16/2016	1.8	
1/16/2017	1.8	
3/20/2017	1.9	
5/22/2017	1.9	
10/18/2017	1.9	
6/1/2018	1.6	
11/7/2018	1.6	
4/19/2019	1.34	
9/25/2019	1.25	
2/21/2020	1.07	
4/14/2020	1.23	
10/22/2020	0.93	
3/15/2021	1.23	
10/6/2021	2.38	
3/15/2022		3.45
10/3/2022		2.28
4/18/2023		2.68

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	2.9	
5/17/2016	1.8	
7/11/2016	1.7	
9/13/2016	2.5	
11/17/2016	1.6	
1/17/2017	2.3	
3/20/2017	1.9	
5/23/2017	1.9	
10/18/2017	2.3	
6/1/2018	2	
11/7/2018	2.8	
4/19/2019	2.99	
9/25/2019	3.51	
11/29/2019	3.1	
2/21/2020	2.83	
4/15/2020	2.94	
10/22/2020	2.01	
3/15/2021	2.26	
10/6/2021	2.11	
3/14/2022		2.46
10/3/2022		1.66
4/18/2023		1.81

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	0.94	
5/16/2016	0.85	
7/11/2016	0.82	
9/13/2016	0.94	
11/17/2016	0.85	
1/17/2017	0.83	
3/20/2017	0.84	
5/23/2017	0.96	
10/18/2017	1.2	
12/19/2017	1.1 (RS)	
6/1/2018	0.98	
11/8/2018	0.93	
4/19/2019	1	
9/25/2019	1.06	
2/21/2020	0.966	
4/15/2020	1.22	
10/22/2020	0.988	
3/15/2021	1.26	
10/6/2021	0.748	
3/14/2022		0.609
10/3/2022		0.581
4/18/2023		0.757

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	11	
5/17/2016	10	
7/12/2016	9	
9/13/2016	8.9	
11/17/2016	7.9	
1/16/2017	7.8	
3/20/2017	8.3	
5/23/2017	6.9	
10/18/2017	6.6	
6/2/2018	2.9	
11/8/2018	3	
4/19/2019	2.65	
9/25/2019	2.93	
4/15/2020	2.61	
10/23/2020	2.53	
3/15/2021	1.93	
10/6/2021	2.22	
3/14/2022		3.24
10/3/2022		3.41
4/18/2023		4.07

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	5.2	
5/16/2016	5.5	
7/12/2016	6.2	
9/13/2016	5	
11/17/2016	<6.3	
1/17/2017	5.3	
3/20/2017	5.6	
5/23/2017	5.5	
10/18/2017	4	
6/1/2018	4	
11/8/2018	4.6	
4/19/2019	4.41	
9/25/2019	4.69	
4/15/2020	5.24	
10/23/2020	5.9	
3/15/2021	6.57	
10/6/2021	8.86	
3/14/2022		7.95
10/3/2022		4.7
4/18/2023		3.91

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	7.6	
5/16/2016	7.2	
7/11/2016	6.4	
9/13/2016	6.8	
11/17/2016	7.9	
1/16/2017	7.9	
3/20/2017	8.7	
5/23/2017	8.3	
10/18/2017	8.6	
6/2/2018	6.8	
11/8/2018	8.4	
4/19/2019	8.38	
9/25/2019	8.26	
4/15/2020	8.84	
10/23/2020	9.06	
3/15/2021	8.99	
10/6/2021	10.4	
3/14/2022		9.54
10/3/2022		9.85
4/18/2023		8.09

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	11	
5/16/2016	10	
7/11/2016	11	
9/12/2016	10	
11/16/2016	10	
1/16/2017	9.9	
3/20/2017	11	
5/22/2017	10	
10/17/2017	9.8	
6/2/2018	8.8	
11/7/2018	25 (o)	
4/19/2019	9.34	
9/25/2019	9.57	
4/14/2020	8.55	
10/23/2020	8.62	
3/15/2021	8.83	
10/6/2021	11.1	
3/14/2022		10.4
10/3/2022		12.3
4/17/2023		8.55



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	7.7	
5/16/2016	6.6	
7/12/2016	6.4	
9/13/2016	6.3	
11/16/2016	7.5	
1/16/2017	7.2	
3/20/2017	8	
5/23/2017	7.8	
10/18/2017	9.5	
6/2/2018	8.2	
11/8/2018	9.5	
4/19/2019	7.82	
9/25/2019	8.94	
4/15/2020	7.96	
10/23/2020	7.18	
3/15/2021	6.9	
10/6/2021	6.88	
3/14/2022		5.55
10/4/2022		5.41
4/17/2023		5.87

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	10	
5/17/2016	7.8	
7/12/2016	9.1	
9/13/2016	8.7	
11/16/2016	9.5	
1/16/2017	9.8	
3/20/2017	9.6	
5/23/2017	8.4	
10/18/2017	7.6	
6/2/2018	7.3	
11/8/2018	7.8	
4/19/2019	6.57	
9/25/2019	6.59	
4/15/2020	6.65	
10/23/2020	6.54	
3/15/2021	6.69	
10/6/2021	4.72	
3/15/2022		3.61
10/4/2022		5.53
4/18/2023		5.97

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	8.3	
5/16/2016	6.6	
7/11/2016	7	
9/12/2016	6.6	
11/16/2016	<6.8	
1/16/2017	7.1	
3/20/2017	7	
5/22/2017	6.9	
10/18/2017	6.3	
6/2/2018	6.2	
11/8/2018	6.4	
4/19/2019	5.99	
9/25/2019	6.72	
4/14/2020	6.94	
10/23/2020	7.26	
3/15/2021	7.83	
10/6/2021	10.5	
3/15/2022		9.56
10/4/2022		7.67
4/18/2023		4.93

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	17	
5/16/2016	16	
7/11/2016	16	
9/12/2016	16	
11/16/2016	15	
1/16/2017	16	
3/20/2017	16	
5/22/2017	15	
10/18/2017	15	
6/1/2018	13	
11/7/2018	13	
4/19/2019	10.6	
9/25/2019	8.59	
4/14/2020	9.49	
10/22/2020	8.07	
3/15/2021	8.68	
10/6/2021	9.75	
3/15/2022		12.8
10/3/2022		10.6
4/18/2023		7.27

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	9.7	
5/17/2016	8.7	
7/11/2016	8.6	
9/13/2016	7.9	
11/17/2016	8.6	
1/17/2017	8.9	
3/20/2017	9	
5/23/2017	8.7	
10/18/2017	7.8	
6/1/2018	9	
11/7/2018	11	
4/19/2019	11	
6/7/2019	11.3	
9/25/2019	11.2	
4/15/2020	10.9	
10/22/2020	8.39	
3/15/2021	8.19	
10/6/2021	7.5	
3/14/2022		8.31
10/3/2022		5.95
4/18/2023		6.43

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	7.1	
5/16/2016	6.4	
7/11/2016	7.1	
9/13/2016	6.6	
11/17/2016	7.9	
1/17/2017	7.8	
3/20/2017	7	
5/23/2017	8	
10/18/2017	7	
6/1/2018	6.9	
11/8/2018	7.1	
4/19/2019	7.55	
9/25/2019	13.2	
11/29/2019	8.42	
4/15/2020	8.78	
10/22/2020	8.11	
3/15/2021	9.27	
10/6/2021	8.56	
3/14/2022		4.03
10/3/2022		6.96
4/18/2023		5.44

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	0.04 (J)	
5/17/2016	0.04 (J)	
7/12/2016	0.04 (J)	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	0.04 (J)	
10/18/2017	0.04 (J)	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	<0.1	
5/16/2016	<0.1	
7/12/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/17/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.0267 (J)	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	<0.1	
5/16/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	0.0267 (J)	
9/25/2019	<0.1	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	0.0269 (J)	
3/14/2022		0.0271 (J)
10/3/2022		<0.1
4/18/2023		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-3
3/22/2016	0.04 (J)	
5/16/2016	0.04 (J)	
7/11/2016	0.04 (J)	
9/12/2016	0.04 (J)	
11/16/2016	0.04 (J)	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/22/2017	0.04 (J)	
10/17/2017	0.05 (J)	
6/2/2018	0.05 (J)	
11/7/2018	0.05 (J)	
4/19/2019	0.108	
6/7/2019	0.0937 (J)	
9/25/2019	0.198	
11/29/2019		0.331
2/22/2020		0.222
4/14/2020		0.23
10/23/2020		0.0988 (J)
3/15/2021		0.0991 (J)
10/6/2021		0.11
3/14/2022		0.0643 (J)
10/3/2022		0.0388 (J)
4/17/2023		0.0355 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	<0.1	
5/16/2016	<0.1	
7/12/2016	<0.1	
9/13/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/4/2022		<0.1
4/17/2023		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	<0.1	
5/17/2016	<0.1	
7/12/2016	<0.1	
9/13/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/15/2022		<0.1
10/4/2022		<0.1
4/18/2023		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	<0.1	
5/16/2016	<0.1	
7/11/2016	<0.1	
9/12/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/22/2017	0.05 (J)	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/14/2020	0.0304 (J)	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/15/2022		0.0268 (J)
10/4/2022		<0.1
4/18/2023		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	<0.1	
5/16/2016	0.04 (J)	
7/11/2016	0.04 (J)	
9/12/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/22/2017	0.04 (J)	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/21/2020	<0.1	
4/14/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	0.027 (J)	
10/6/2021	0.0317 (J)	
3/15/2022		0.0609 (J)
10/3/2022		0.032 (J)
4/18/2023		0.0348 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	<0.1	
5/17/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/17/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.0277 (J)	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	0.0458 (J)	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	<0.1	
5/16/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/17/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.0313 (J)	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1



# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
1/29/2015	5.84	
3/3/2015	5.7	
4/7/2015	5.39	
5/14/2015	5.26	
6/3/2015	5.37	
6/18/2015	5.23	
6/30/2015	5.28	
7/15/2015	5.08	
1/11/2016	5.42	
3/22/2016	4.97	
5/17/2016	5.33	
7/12/2016	4.78	
9/13/2016	4.83	
11/17/2016	4.66	
1/16/2017	4.85	
3/20/2017	4.88	
5/23/2017	4.8	
10/18/2017	5.55	
6/2/2018	5.18	
11/8/2018	5.15	
4/19/2019	4.89	
9/25/2019	4.83	
2/22/2020	4.83	
4/15/2020	4.78	
10/23/2020	4.78	
3/15/2021	4.81	
10/6/2021	4.9	
3/14/2022		4.65
10/3/2022		4.92
4/18/2023		4.8

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	5.34	
5/16/2016	5.48	
7/12/2016	4.95	
9/13/2016	4.95	
11/17/2016	4.86	
1/17/2017	5.18	
3/20/2017	4.97	
5/23/2017	4.91	
10/18/2017	4.97	
6/1/2018	5.07	
11/8/2018	5.09	
4/19/2019	5.13	
9/25/2019	4.9	
2/21/2020	5.05	
4/15/2020	4.98	
10/23/2020	4.9	
3/15/2021	4.93	
10/6/2021	5.03	
3/14/2022		4.88
10/3/2022		5.13
4/18/2023		4.84

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
1/29/2015	5.68	
3/3/2015	5.61	
4/7/2015	5.43	
5/14/2015	5.37	
6/3/2015	5.29	
6/18/2015	5.22	
6/30/2015	5.07	
7/15/2015	5.17	
1/11/2016	4.96	
3/22/2016	4.81	
5/16/2016	4.82	
7/11/2016	4.88	
9/13/2016	4.86	
11/17/2016	4.79	
1/16/2017	4.79	
3/20/2017	4.87	
5/23/2017	4.84	
10/18/2017	4.92	
6/2/2018	4.88	
11/8/2018	4.92	
4/19/2019	4.85	
9/25/2019	4.79	
2/21/2020	4.82	
4/15/2020	4.9	
10/23/2020	4.8	
3/15/2021	4.83	
10/6/2021	4.89	
3/14/2022		4.62
10/3/2022		4.75
4/18/2023		4.61

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-3
1/29/2015	4.63	
3/3/2015	4.69	
4/7/2015	4.46	
5/14/2015	4.5	
6/3/2015	4.45	
6/18/2015	4.51	
6/30/2015	4.48	
7/15/2015	4.7	
1/11/2016	4.9	
3/22/2016	4.51	
5/16/2016	4.54	
7/11/2016	4.59	
9/12/2016	4.46	
11/16/2016	4.34	
1/16/2017	4.39	
3/20/2017	4.26	
5/22/2017	4.44	
10/17/2017	4.51	
6/2/2018	4.51	
11/7/2018	4.46	
4/19/2019	4.38	
9/25/2019	4.27	
2/22/2020	4.39	
4/14/2020	4.36	
10/23/2020	4.72	
3/15/2021	4.56	
10/6/2021	4.36	
3/14/2022		4.47
10/3/2022		4.38
4/17/2023		4.4

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
1/29/2015	5.09	
3/3/2015	5.05	
4/7/2015	4.87	
5/14/2015	4.88	
6/3/2015	4.82	
6/18/2015	4.95	
6/30/2015	4.86	
7/15/2015	4.88	
1/11/2016	5.17	
3/22/2016	4.87	
5/16/2016	4.95	
7/12/2016	4.82	
9/13/2016	4.82	
11/16/2016	4.71	
1/16/2017	4.82	
3/20/2017	4.69	
5/23/2017	4.74	
10/18/2017	4.78	
6/2/2018	4.92	
11/8/2018	4.91	
4/19/2019	4.91	
9/25/2019	4.79	
2/22/2020	4.95	
4/15/2020	4.9	
10/23/2020	4.89	
3/15/2021	4.87	
10/6/2021	4.77	
3/14/2022		4.84
10/4/2022		4.76
4/17/2023		4.61

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	4.79	
5/17/2016	4.81	
7/12/2016	4.71	
9/13/2016	4.76	
11/16/2016	4.65	
1/16/2017	4.76	
3/20/2017	4.61	
5/23/2017	4.73	
10/18/2017	5.07	
12/15/2017	4.86 (R)	
6/2/2018	4.87	
11/8/2018	4.9	
4/19/2019	4.86	
9/25/2019	4.82	
4/15/2020	4.74	
10/23/2020	4.91	
3/15/2021	4.85	
10/6/2021	5.05	
3/15/2022		4.92
10/4/2022		4.84
4/18/2023		4.58

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	4.68	
5/16/2016	4.73	
7/11/2016	4.71	
9/12/2016	4.63	
11/16/2016	4.57	
1/16/2017	4.61	
3/20/2017	4.49	
5/22/2017	4.61	
10/18/2017	4.63	
6/2/2018	4.75	
11/8/2018	4.69	
4/19/2019	4.72	
9/25/2019	4.67	
2/22/2020	4.78	
4/14/2020	4.75	
10/23/2020	4.72	
3/15/2021	4.69	
10/6/2021	4.56	
3/15/2022		4.64
10/4/2022		4.62
4/18/2023		4.56

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	4.46	
5/16/2016	4.55	
7/11/2016	5.16	
9/12/2016	4.44	
11/16/2016	4.36	
1/16/2017	4.47	
3/20/2017	4.22	
5/22/2017	4.38	
10/18/2017	4.49	
6/1/2018	4.54	
11/7/2018	4.48	
4/19/2019	4.51	
9/25/2019	4.47	
2/21/2020	4.44	
4/14/2020	4.73	
10/22/2020	4.59	
3/15/2021	4.52	
10/6/2021	4.35	
3/15/2022		4.24
10/3/2022		4.37
4/18/2023		4.32



# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	4.97	
5/17/2016	4.5	
7/11/2016	4.51	
9/13/2016	4.71	
11/17/2016	4.49	
1/17/2017	4.77	
3/20/2017	4.54	
5/23/2017	7.14 (o)	
10/18/2017	4.81	
6/1/2018	4.66	
11/7/2018	4.54	
4/19/2019	4.63	
9/24/2019	4.57	
2/21/2020	4.57	
4/15/2020	4.69	
10/22/2020	4.7	
3/15/2021	4.78	
10/6/2021	4.86	
3/14/2022		4.65
10/3/2022		4.82
4/18/2023		4.66

# Prediction Limit

Constituent: pH (SU) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	4.85	
5/16/2016	5.01	
7/11/2016	4.87	
9/13/2016	4.92	
11/17/2016	4.82	
1/17/2017	4.89	
3/20/2017	4.92	
5/23/2017	4.86	
10/18/2017	4.96	
6/1/2018	5.02	
11/8/2018	4.98	
4/19/2019	4.94	
9/24/2019	4.86	
2/21/2020	4.78	
4/15/2020	4.87	
10/22/2020	4.86	
3/15/2021	4.88	
10/6/2021	4.98	
3/14/2022		4.76
10/3/2022		4.95
4/18/2023		4.75

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1	MW-1
1/29/2015	2.4 (J)	
3/3/2015	3.2 (J)	
4/7/2015	2.6 (J)	
5/14/2015	3 (J)	
6/3/2015	2.8 (J)	
6/18/2015	3.9 (J)	
6/30/2015	2.9 (J)	
7/15/2015	2.6 (J)	
1/11/2016	4.5 (J)	
3/22/2016	4 (J)	
5/17/2016	4.1 (J)	
7/12/2016	5.2	
9/13/2016	5.5	
11/17/2016	5.9	
1/16/2017	6.6	
3/20/2017	<6.6	
5/23/2017	6	
10/18/2017	8	
11/27/2017	9.5	
12/16/2017	7.7 (RS)	
6/2/2018	12	
11/8/2018	10	
4/19/2019	10.1	
6/7/2019	8.98	
9/25/2019	8.87	
11/29/2019	9.09	
4/15/2020	9.84	
10/23/2020	8.82	
3/15/2021	9.05	
10/6/2021	10.3	
3/14/2022		9.59
10/3/2022		8.36
4/18/2023		7.46

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-10	MW-10
3/22/2016	<1	
5/16/2016	<1	
7/12/2016	<1	
9/13/2016	1.6 (J)	
11/17/2016	<1	
1/17/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
6/1/2018	2.1 (J)	
11/8/2018	<1	
4/19/2019	0.702 (J)	
9/25/2019	0.648 (J)	
4/15/2020	<1	
10/23/2020	0.515 (J)	
3/15/2021	<1	
10/6/2021	<1	
3/14/2022		<1
10/3/2022		3.38
4/18/2023		3.39

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-2	MW-2
1/29/2015	<1	
3/3/2015	<1	
4/7/2015	<1	
5/14/2015	<1	
6/3/2015	<1	
6/18/2015	<1	
6/30/2015	<1	
7/15/2015	<1	
1/11/2016	<1	
3/22/2016	<1	
5/16/2016	<1	
7/11/2016	1.4 (J)	
9/13/2016	<1	
11/17/2016	<1	
1/16/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
11/27/2017	3.1	
6/2/2018	<1	
11/8/2018	<1	
4/19/2019	0.468 (J)	
9/25/2019	0.436 (J)	
4/15/2020	<1	
10/23/2020	0.405 (J)	
3/15/2021	<1	
10/6/2021	<1	
3/14/2022		0.861 (J)
10/3/2022		<1
4/18/2023		0.784 (J)

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-3
1/29/2015	<1.4	
3/3/2015	<1.4	
4/7/2015	<1.4	
5/14/2015	<1.4	
6/3/2015	<1.4	
6/18/2015	<1.4	
6/30/2015	<1.4	
7/15/2015	<1.4	
1/11/2016	<1.4	
3/22/2016	<1.4	
5/16/2016	<1.4	
7/11/2016	<1.4	
9/12/2016	<1.4	
11/16/2016	<1.4	
1/16/2017	<1.4	
3/20/2017	<1.4	
5/22/2017	<1.4	
10/17/2017	<1.4	
11/27/2017	2.9	
6/2/2018	<1.4	
11/7/2018	2.1 (J)	
4/19/2019	19.5 (o)	
6/7/2019		19.2
9/25/2019		65.1
11/29/2019		107
4/14/2020		194
10/23/2020		142
3/15/2021		116
10/6/2021		2.93
3/14/2022		2.2
10/3/2022		1.25
4/17/2023		1.58

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-4	MW-4
1/29/2015	<5	
3/3/2015	<5	
4/7/2015	<5	
5/14/2015	<5	
6/3/2015	<5	
6/18/2015	<5	
6/30/2015	<5	
7/15/2015	<5	
1/11/2016	<5	
3/22/2016	<5	
5/16/2016	<5	
7/12/2016	<5	
9/13/2016	<5	
11/16/2016	<5	
1/16/2017	<5	
3/20/2017	<5	
5/23/2017	<5	
10/18/2017	<5	
11/27/2017	4.1	
6/2/2018	1.9 (J)	
11/8/2018	1.8 (J)	
4/19/2019	2.1	
9/25/2019	2.3	
4/15/2020	2	
10/23/2020	1.75	
3/15/2021	1.94	
10/6/2021	1.97	
3/14/2022		2.04
10/4/2022		1.86
4/17/2023		2.15

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	<5	
5/17/2016	<5	
7/12/2016	<5	
9/13/2016	<5	
11/16/2016	<5	
1/16/2017	<5	
3/20/2017	<5	
5/23/2017	<5	
10/18/2017	<5	
6/2/2018	3.4 (J)	
11/8/2018	3.1 (J)	
4/19/2019	3.82	
9/25/2019	3.52	
4/15/2020	3.38	
10/23/2020	3.33	
3/15/2021	3.42	
10/6/2021	6.05	
3/15/2022		5.54
10/4/2022		6.61
4/18/2023		7.27



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	2.9 (J)	
5/16/2016	2.7 (J)	
7/11/2016	2.5 (J)	
9/12/2016	2.8 (J)	
11/16/2016	3.1 (J)	
1/16/2017	2.1	
3/20/2017	<5	
5/22/2017	1.9 (J)	
10/18/2017	<5	
6/2/2018	1.8 (J)	
11/8/2018	1.6 (J)	
4/19/2019	1.96	
9/25/2019	1.98	
4/14/2020	1.85	
10/23/2020	1.75	
3/15/2021	1.8	
10/6/2021	0.802 (J)	
3/15/2022		0.791 (J)
10/4/2022		0.791 (J)
4/18/2023		1.23

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	<1	
5/16/2016	<1	
7/11/2016	<1	
9/12/2016	<1	
11/16/2016	<1	
1/16/2017	<1	
3/20/2017	<1	
5/22/2017	<1	
10/18/2017	<1	
6/1/2018	<1	
11/7/2018	<1	
4/19/2019	0.449 (J)	
9/25/2019	1.57	
4/14/2020	<1	
10/22/2020	<1	
3/15/2021	<1	
10/6/2021	<1	
3/15/2022		<1
10/3/2022		<1
4/18/2023		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	<1	
5/17/2016	<1	
7/11/2016	<1	
9/13/2016	<1	
11/17/2016	<1	
1/17/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
6/1/2018	1.4 (J)	
11/7/2018	<1	
4/19/2019	0.906 (J)	
9/25/2019	<1	
4/15/2020	<1	
10/22/2020	0.657 (J)	
3/15/2021	1.2	
10/6/2021	4.11	
3/14/2022		3.09
10/3/2022		3.06
4/18/2023		2.83

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-9	MW-9
3/21/2016	<1	
5/16/2016	1.7 (J)	
7/11/2016	1.5 (J)	
9/13/2016	1.5 (J)	
11/17/2016	<1	
1/17/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
6/1/2018	3.3 (J)	
11/8/2018	1.8 (J)	
4/19/2019	2.3	
9/25/2019	<1	
4/15/2020	1.64	
10/22/2020	1.46	
3/15/2021	1.37	
10/6/2021	2.4	
3/14/2022		1.58
10/3/2022		2.45
4/18/2023		2.88

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	60	
5/17/2016	90	
7/12/2016	56	
9/13/2016	88	
11/17/2016	80	
1/16/2017	68	
3/20/2017	12	
5/23/2017	54	
10/18/2017	70	
6/2/2018	20	
11/8/2018	30	
4/19/2019	38	
9/25/2019	52	
4/15/2020	43	
10/23/2020	36	
3/15/2021	36	
10/6/2021	51	
3/14/2022		38
10/3/2022		64
4/18/2023		37

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	26	
5/16/2016	44	
7/12/2016	<5	
9/13/2016	24	
11/17/2016	38	
1/17/2017	20	
3/20/2017	6	
5/23/2017	40	
10/18/2017	20	
6/1/2018	28	
11/8/2018	68	
4/19/2019	20	
9/25/2019	29	
4/15/2020	22	
10/23/2020	29	
3/15/2021	22	
10/6/2021	39	
3/14/2022		26
10/3/2022		33
4/18/2023		34

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	28	
5/16/2016	18	
7/11/2016	4 (J)	
9/13/2016	26	
11/17/2016	36	
1/16/2017	12	
3/20/2017	<3.4	
5/23/2017	26	
10/18/2017	32	
6/2/2018	<3.4	
11/8/2018	68	
4/19/2019	29	
9/25/2019	27	
4/15/2020	32	
10/23/2020	27	
3/15/2021	30	
10/6/2021	35	
3/14/2022		29
10/3/2022		41
4/18/2023		35

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	22	
5/16/2016	52	
7/11/2016	16	
9/12/2016	30	
11/16/2016	42	
1/16/2017	42	
3/20/2017	12	
5/22/2017	34	
10/17/2017	60	
6/2/2018	<3.4	
11/7/2018	42	
4/19/2019	83	
6/7/2019	76	
9/25/2019	143	
11/29/2019		180
4/14/2020		299
10/23/2020		244
3/15/2021		201
10/6/2021		80
3/14/2022		42
10/3/2022		61
4/17/2023		42



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	26	
5/16/2016	28	
7/12/2016	24	
9/13/2016	32	
11/16/2016	60	
1/16/2017	32	
3/20/2017	<5	
5/23/2017	48	
10/18/2017	54	
6/2/2018	32	
11/8/2018	14	
4/19/2019	43	
9/25/2019	44	
4/15/2020	31	
10/23/2020	32	
3/15/2021	27	
10/6/2021	33	
3/14/2022		16
10/4/2022		36
4/17/2023		34

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	36	
5/17/2016	36	
7/12/2016	34	
9/13/2016	34	
11/16/2016	56	
1/16/2017	32	
3/20/2017	20	
5/23/2017	32	
10/18/2017	50	
6/2/2018	<3.4	
11/8/2018	22	
4/19/2019	34	
9/25/2019	42	
4/15/2020	26	
10/23/2020	31	
3/15/2021	32	
10/6/2021	27	
3/15/2022		12
10/4/2022		41
4/18/2023		29

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	<3.4	
5/16/2016	24	
7/11/2016	14	
9/12/2016	26	
11/16/2016	40	
1/16/2017	32	
3/20/2017	10	
5/22/2017	30	
10/18/2017	28	
6/2/2018	<3.4	
11/8/2018	12	
4/19/2019	26	
9/25/2019	46	
4/14/2020	26	
10/23/2020	25	
3/15/2021	29	
10/6/2021	38	
3/15/2022		24
10/4/2022		28
4/18/2023		32

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	52	
5/16/2016	44	
7/11/2016	22	
9/12/2016	24	
11/16/2016	52	
1/16/2017	32	
3/20/2017	16	
5/22/2017	48	
10/18/2017	50	
6/1/2018	42	
11/7/2018	54	
4/19/2019	36	
9/25/2019	42	
4/14/2020	30	
10/22/2020	35	
3/15/2021	32	
10/6/2021	53	
3/15/2022		54
10/3/2022		79
4/18/2023		53

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	42	
5/17/2016	38	
7/11/2016	14	
9/13/2016	40	
11/17/2016	40	
1/17/2017	36	
3/20/2017	<5	
5/23/2017	44	
10/18/2017	28	
6/1/2018	60	
11/7/2018	40	
4/19/2019	71	
9/25/2019	61	
4/15/2020	53	
10/22/2020	42	
3/15/2021	39	
10/6/2021	36	
3/14/2022		23
10/3/2022		40
4/18/2023		35

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2023 9:08 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	30	
5/16/2016	32	
7/11/2016	24	
9/13/2016	34	
11/17/2016	52	
1/17/2017	<5	
3/20/2017	14	
5/23/2017	36	
10/18/2017	34	
6/1/2018	42	
11/8/2018	30	
4/19/2019	23	
9/25/2019	33	
4/15/2020	28	
10/22/2020	35	
3/15/2021	31	
10/6/2021	37	
3/14/2022		56
10/3/2022		31
4/18/2023		23

FIGURE E.

# Trend Tests- Prediction Limit Exceedances - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2023, 9:11 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5174	-165	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.0374	102	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.4072	119	92	Yes	22	0	n/a	n/a	0.01	NP
pH (SU)	MW-1 (bg)	-0.08538	-218	-146	Yes	30	0	n/a	n/a	0.01	NP
pH (SU)	MW-2 (bg)	-0.06844	-259	-146	Yes	30	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.181	347	167	Yes	33	3.03	n/a	n/a	0.01	NP



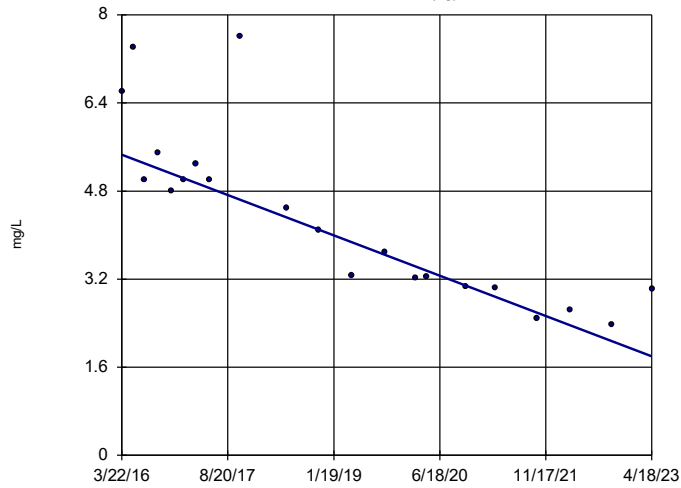
# Trend Tests- Prediction Limit Exceedances - All Results

Plant Daniel    Client: Southern Company    Data: Plant Daniel Gypsum CCR    Printed 5/10/2023, 9:11 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Calcium (mg/L)</b>	<b>MW-1 (bg)</b>	<b>-0.5174</b>	<b>-165</b>	<b>-87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-10 (bg)	0.006404	4	74	No	19	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>MW-2 (bg)</b>	<b>0.0374</b>	<b>102</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>0.4072</b>	<b>119</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-7	-0.09961	-27	-87	No	21	0	n/a	n/a	0.01	NP
<b>pH (SU)</b>	<b>MW-1 (bg)</b>	<b>-0.08538</b>	<b>-218</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (SU)	MW-10 (bg)	-0.01658	-48	-87	No	21	0	n/a	n/a	0.01	NP
<b>pH (SU)</b>	<b>MW-2 (bg)</b>	<b>-0.06844</b>	<b>-259</b>	<b>-146</b>	<b>Yes</b>	<b>30</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (SU)	MW-4	-0.01765	-133	-146	No	30	0	n/a	n/a	0.01	NP
pH (SU)	MW-9	-0.009003	-24	-87	No	21	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>MW-1 (bg)</b>	<b>1.181</b>	<b>347</b>	<b>167</b>	<b>Yes</b>	<b>33</b>	<b>3.03</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	MW-10 (bg)	0	8	81	No	20	65	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-88	-146	No	30	76.67	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-5	0	4	81	No	20	45	n/a	n/a	0.01	NP

### Sen's Slope Estimator

MW-1 (bg)

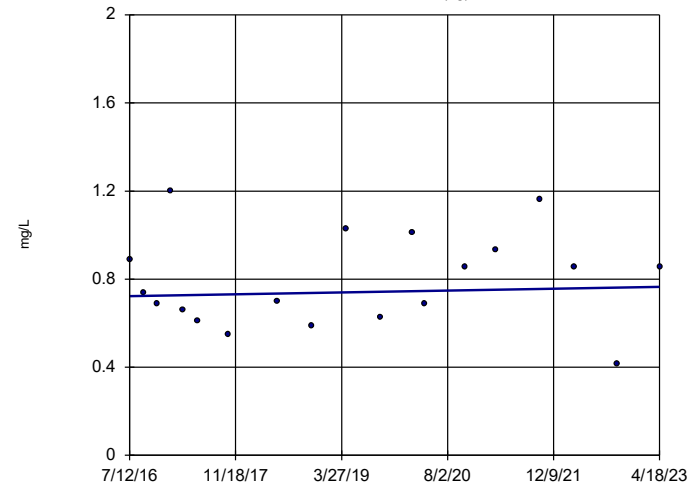


n = 21  
 Slope = -0.5174 units per year.  
 Mann-Kendall statistic = -165  
 critical = -87  
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-10 (bg)

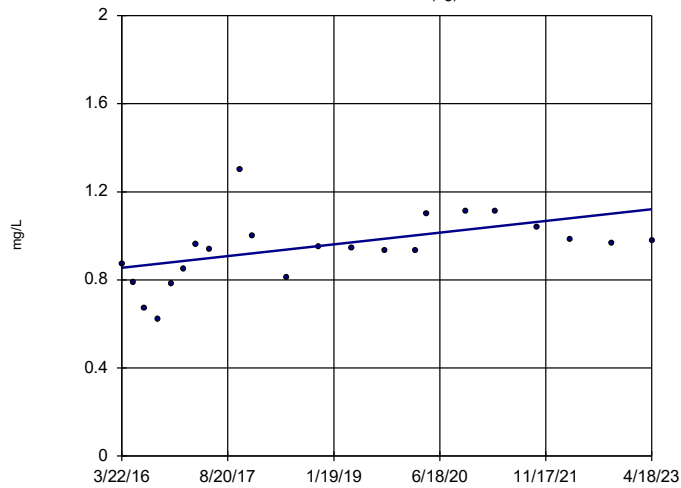


n = 19  
 Slope = 0.006404 units per year.  
 Mann-Kendall statistic = 4  
 critical = 74  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-2 (bg)

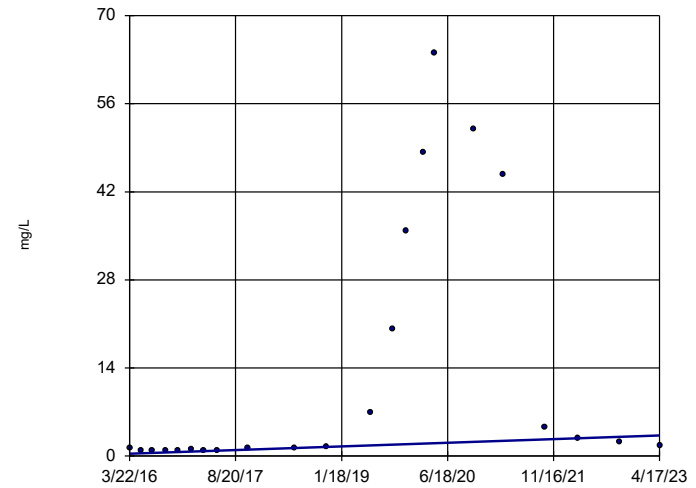


n = 22  
 Slope = 0.0374 units per year.  
 Mann-Kendall statistic = 102  
 critical = 92  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-3

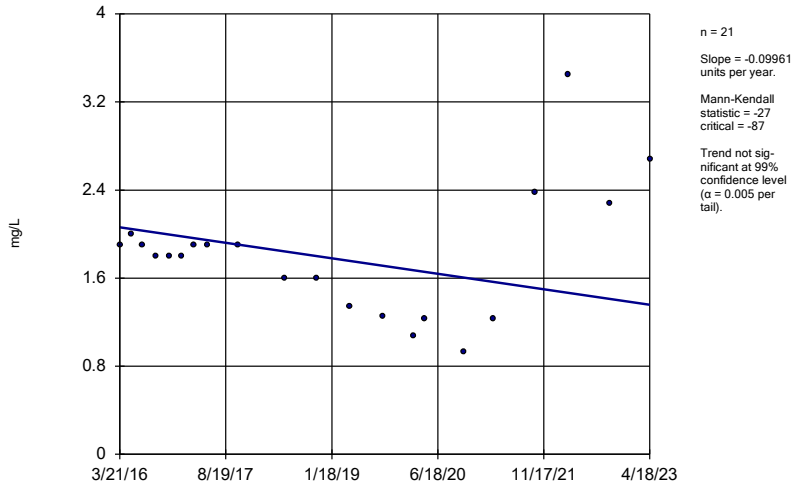


n = 22  
 Slope = 0.4072 units per year.  
 Mann-Kendall statistic = 119  
 critical = 92  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

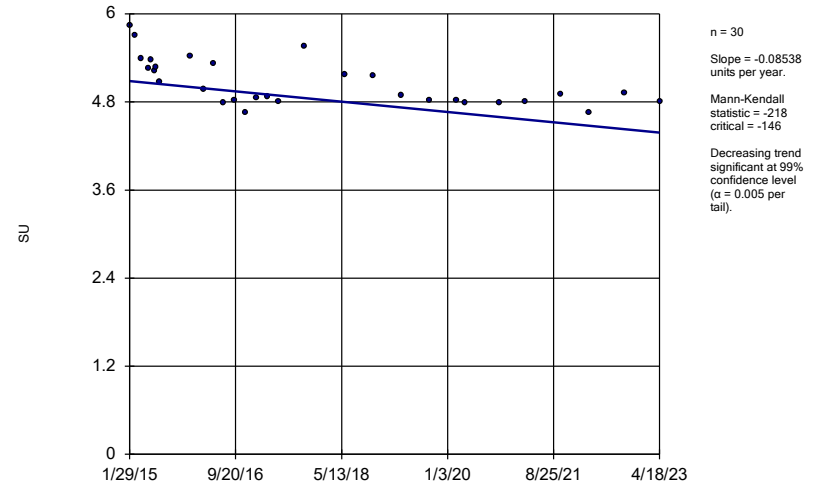
MW-7



Constituent: Calcium Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

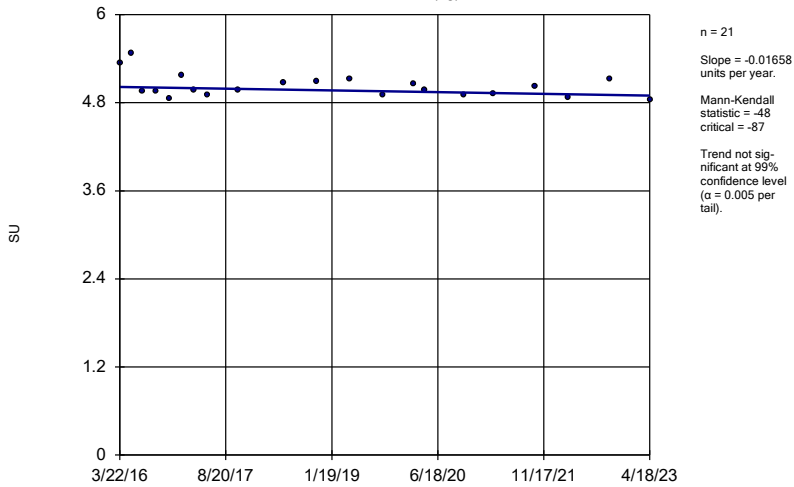
MW-1 (bg)



Constituent: pH Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

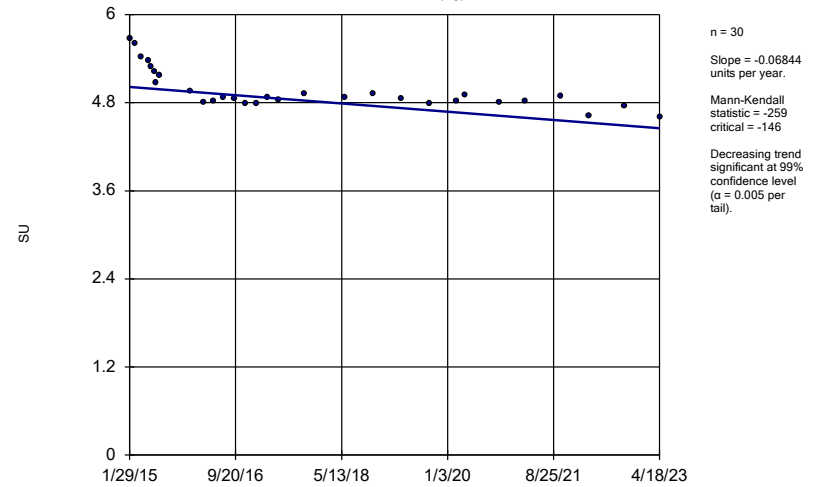
MW-10 (bg)



Constituent: pH Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

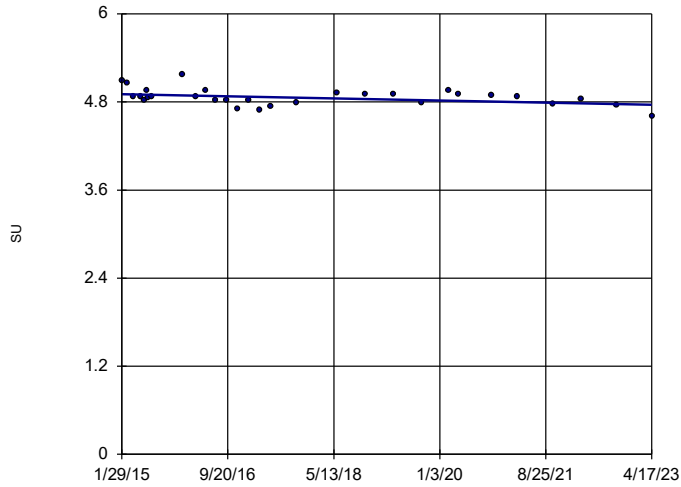
MW-2 (bg)



Constituent: pH Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

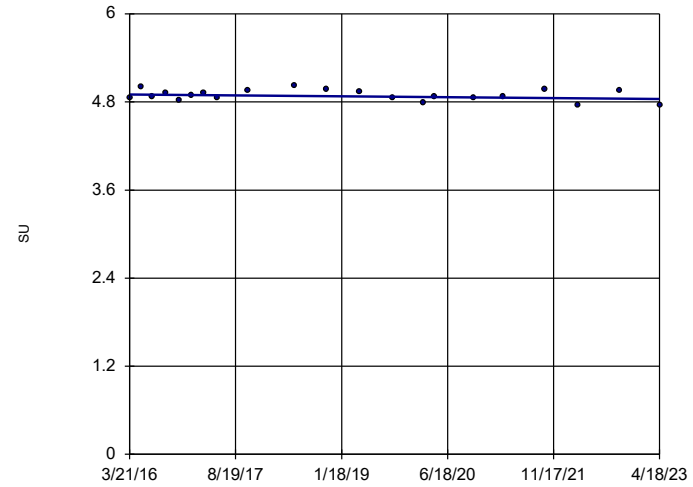
MW-4



Constituent: pH Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

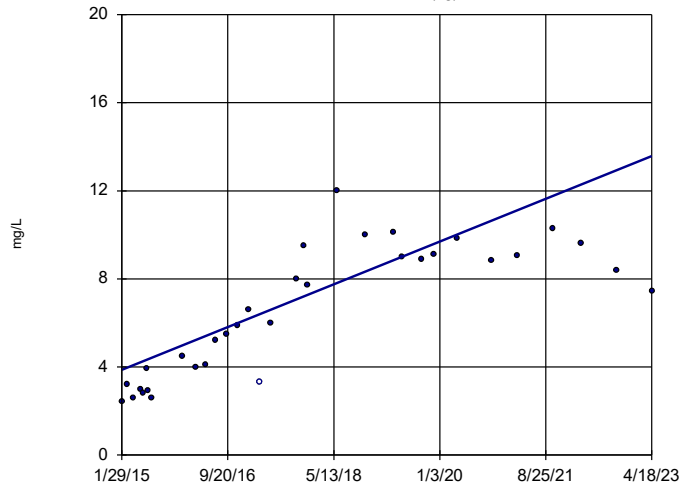
MW-9



Constituent: pH Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

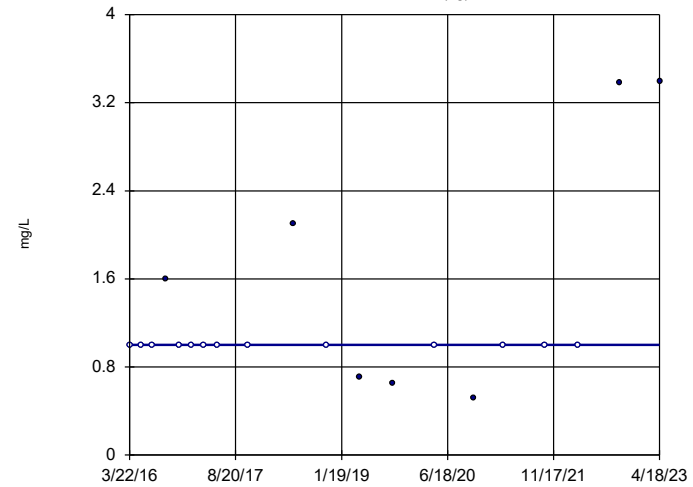
MW-1 (bg)



Constituent: Sulfate Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

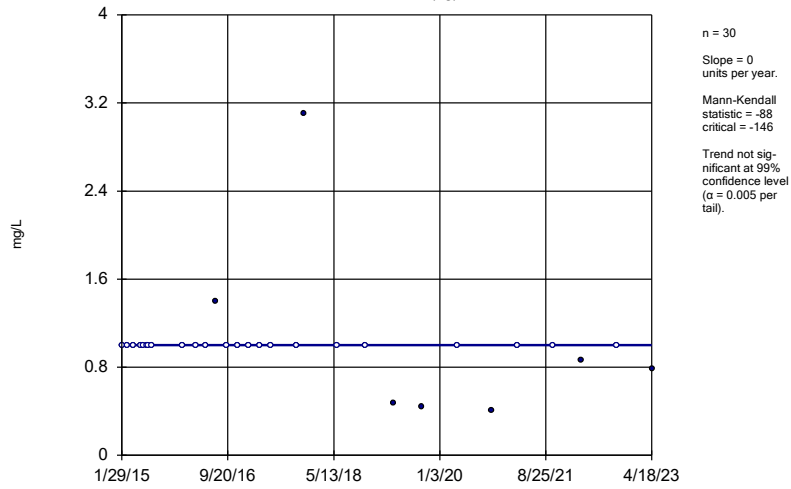
MW-10 (bg)



Constituent: Sulfate Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

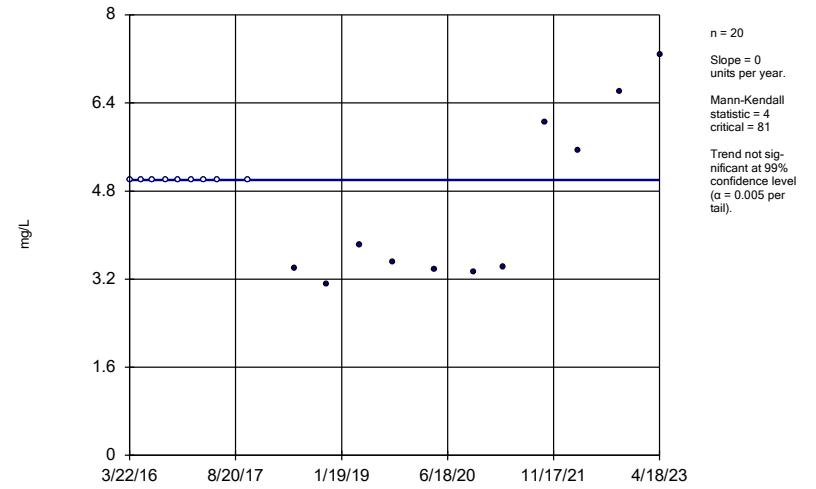
MW-2 (bg)



Constituent: Sulfate Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-5



Constituent: Sulfate Analysis Run 5/10/2023 9:11 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

FIGURE F.

# Upper Tolerance Limits Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 6/7/2023, 8:17 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 45	n/a	n/a	93.33	n/a	n/a	0.09944	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a 48	n/a	n/a	83.33	n/a	n/a	0.08526	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	n/a 68	n/a	n/a	0	n/a	n/a	0.03056	NP Inter(normality)
Beryllium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 48	n/a	n/a	81.25	n/a	n/a	0.08526	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.0005	n/a	n/a	n/a	n/a 45	n/a	n/a	100	n/a	n/a	0.09944	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	n/a 65	n/a	n/a	92.31	n/a	n/a	0.03565	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a 48	n/a	n/a	0	n/a	n/a	0.08526	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.198	n/a	n/a	n/a	n/a 47	1.003	0.3773	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	n/a 63	n/a	n/a	85.71	n/a	n/a	0.0395	NP Inter(NDs)
Lead (mg/L)	n/a	0.0025	n/a	n/a	n/a	n/a 48	n/a	n/a	75	n/a	n/a	0.08526	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 45	n/a	n/a	86.67	n/a	n/a	0.09944	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	n/a 65	n/a	n/a	93.85	n/a	n/a	0.03565	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 45	n/a	n/a	95.56	n/a	n/a	0.09944	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	n/a 65	n/a	n/a	83.08	n/a	n/a	0.03565	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 45	n/a	n/a	86.67	n/a	n/a	0.09944	NP Inter(NDs)

FIGURE G.



<b>PLANT DANIEL GSA CCR GWPS TABLE</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR Rule-Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.005	0.006
Arsenic, Total (mg/L)	0.01		0.0063	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.0073	0.1
Cobalt, Total (mg/L)		0.006	0.0044	0.006
Combined Radium, Total (pCi/L)	5		3.2	5
Fluoride, Total (mg/L)	4		0.1	4
Lead, Total (mg/L)		0.015	0.0025	0.015
Lithium, Total (mg/L)		0.04	0.005	0.04
Mercury, Total (mg/L)	0.002		0.00031	0.002
Molybdenum, Total (mg/L)		0.1	0.005	0.1
Selenium, Total (mg/L)	0.05		0.0071	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*

FIGURE H.

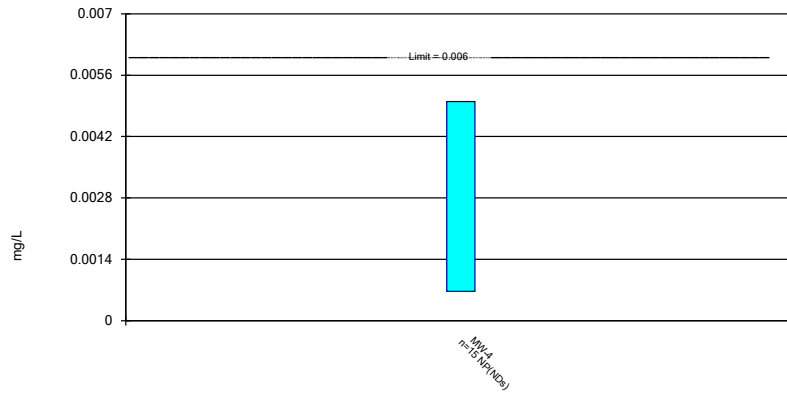
# Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 6/7/2023, 8:30 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-4	0.005	0.000671	0.006	No	15	0.004711	0.001118	93.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-3	0.00361	0.00204	0.01	No	16	0.002809	0.0005407	75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.003	0.000332	0.01	No	16	0.002833	0.000667	93.75	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	26	0.1146	0.02892	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.05851	0.05015	2	No	26	0.05433	0.008576	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0515	2	No	16	0.06347	0.008045	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07776	0.05677	2	No	16	0.06776	0.01736	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-7	0.186	0.1189	2	No	16	0.1547	0.05328	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1156	0.09107	2	No	16	0.1033	0.01885	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04448	0.0344	2	No	16	0.03944	0.007746	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.000486	0.00034	0.004	No	16	0.0003984	0.00009692	50	None	No	0.01	NP (normality)
Beryllium (mg/L)	MW-4	0.0005	0.000186	0.004	No	16	0.0004804	0.0000785	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.00024	0.004	No	16	0.0000910	0.0002681	87.5	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.0005	0.000303	0.004	No	16	0.0004877	0.00004925	93.75	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004288	0.0003251	0.004	No	16	0.0003769	0.00007973	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.0005	0.00034	0.004	No	16	0.0004346	0.00009449	62.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000295	0.005	No	15	0.0009819	0.0004243	80	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.005	0.0043	0.1	No	25	0.004856	0.000591	92	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.005	0.0041	0.1	No	25	0.004964	0.00018	96	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.005	0.0024	0.1	No	15	0.004827	0.0006713	93.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00328	0.0016	0.006	No	16	0.002288	0.0007821	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001639	0.001257	0.006	No	16	0.001448	0.0002931	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.00164	0.00088	0.006	No	16	0.001313	0.0008454	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-6	0.002659	0.0019	0.006	No	16	0.002279	0.0005829	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.0025	0.00131	0.006	No	16	0.00214	0.0006267	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-8	0.001578	0.001149	0.006	No	16	0.001364	0.0003291	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001188	0.000935	0.006	No	16	0.001062	0.0001948	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.28	2.047	5	No	16	2.708	1.024	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.267	0.8349	5	No	16	1.051	0.3324	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.511	1.063	5	No	16	1.287	0.3438	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.326	0.8999	5	No	16	1.113	0.3276	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.733	1.895	5	No	16	2.908	1.549	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.235	1.69	5	No	16	1.963	0.4182	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9241	0.6351	5	No	16	0.7796	0.2221	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.108	0.04	4	No	23	0.09214	0.07886	8.696	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	21	0.09082	0.02338	85.71	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	21	0.0765	0.0313	61.9	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	21	0.09398	0.01924	90.48	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	21	0.09673	0.01499	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.0008879	0.0004781	0.015	No	16	0.0007021	0.0003361	6.25	None	sqrt(x)	0.01	Param.
Lead (mg/L)	MW-4	0.0025	0.000224	0.015	No	16	0.002067	0.0009303	81.25	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.0025	0.000592	0.015	No	16	0.002234	0.0007311	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.00017	0.015	No	16	0.0007049	0.0003964	62.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.0025	0.000147	0.015	No	16	0.002205	0.000807	87.5	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.0025	0.000215	0.015	No	16	0.002065	0.0009347	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00208	0.04	No	15	0.004347	0.001357	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00206	0.04	No	15	0.004607	0.001036	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	15	0.00452	0.001267	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	15	0.004553	0.001183	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00271	0.04	No	15	0.004428	0.001199	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	15	0.004467	0.001406	86.67	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.00209	0.04	No	15	0.004283	0.0015	80	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	25	0.0001877	0.0000344	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	25	0.0001931	0.00002767	88	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-6	0.00143	0.0002	0.002	No	15	0.00043	0.0006351	86.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	15	0.004795	0.0007953	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.0025	0.05	No	25	0.002772	0.0009454	92	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.0044	0.0025	0.05	No	25	0.002576	0.00038	96	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.0025	0.0003	0.05	No	15	0.002353	0.000568	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.0025	0.0004	0.05	No	15	0.002214	0.0007549	86.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	15	0.0009513	0.0001887	93.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	15	0.0009487	0.0001986	93.33	None	No	0.01	NP (NDs)

### Non-Parametric Confidence Interval

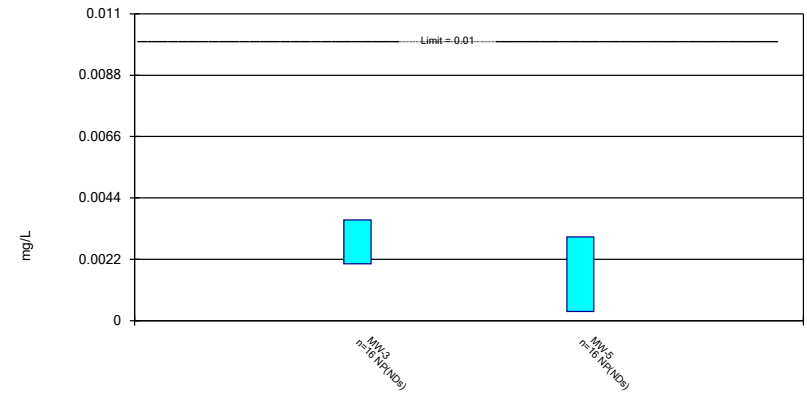
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

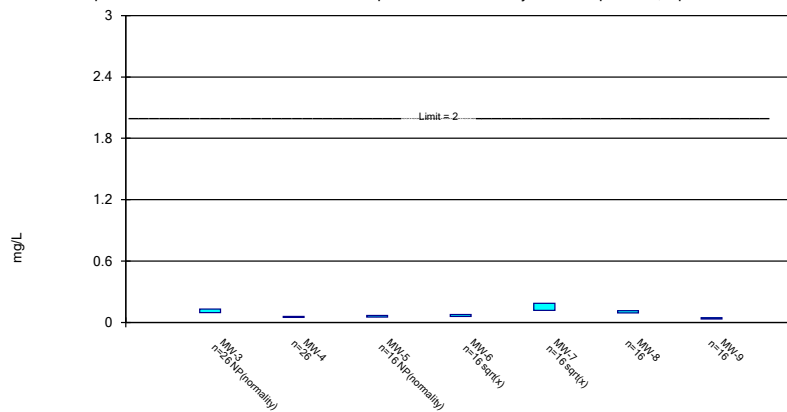
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

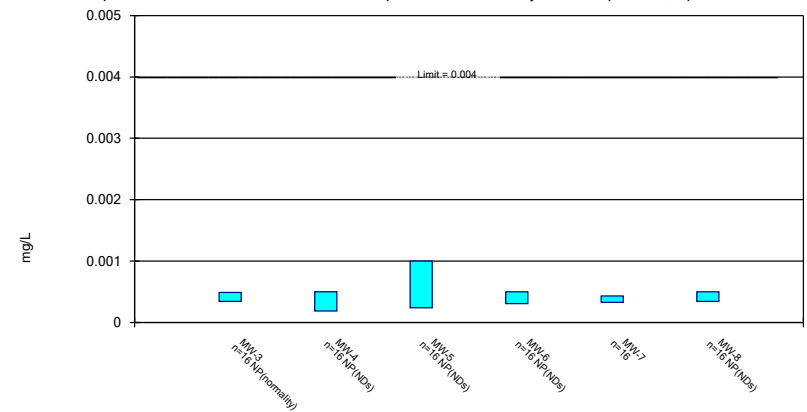
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

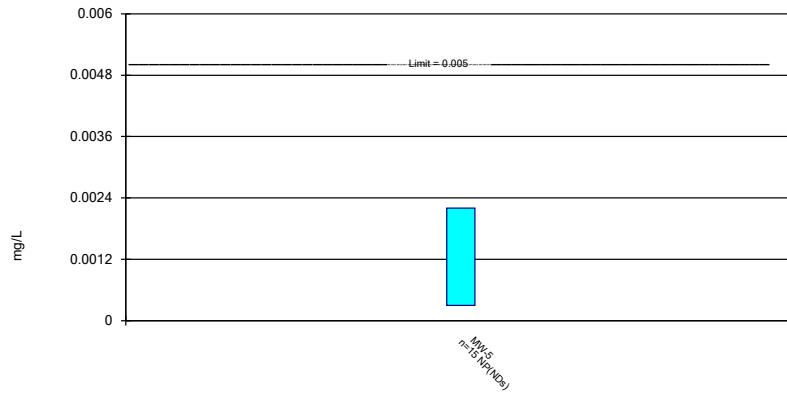
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

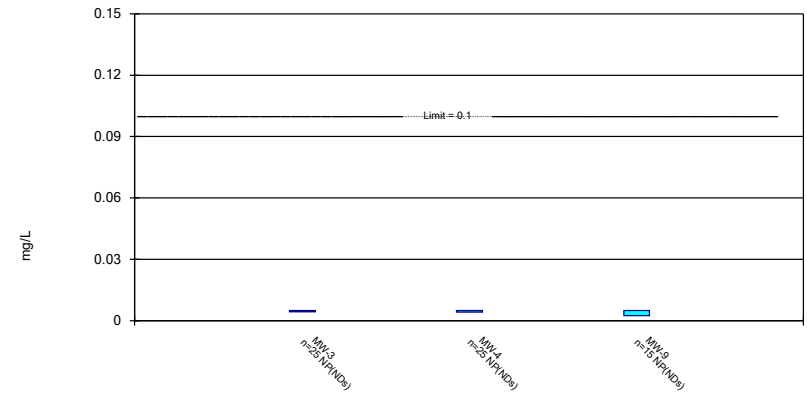
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

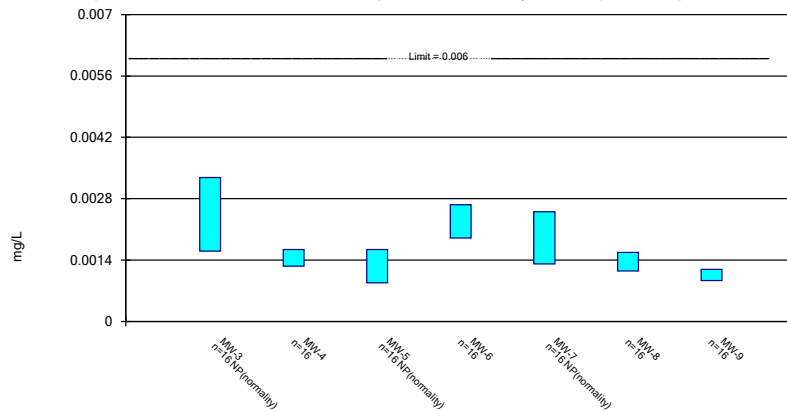
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

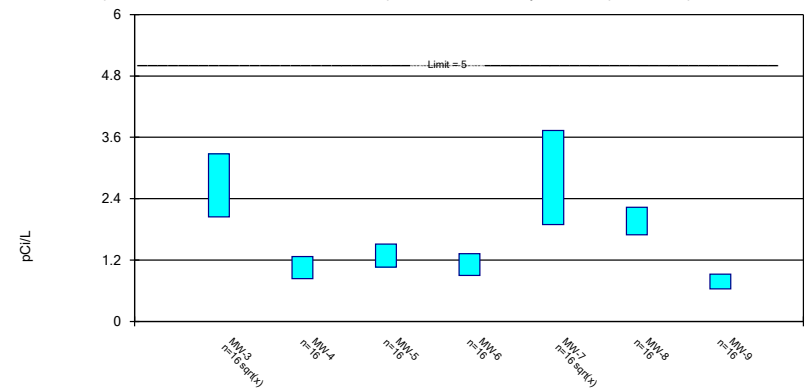
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric Confidence Interval

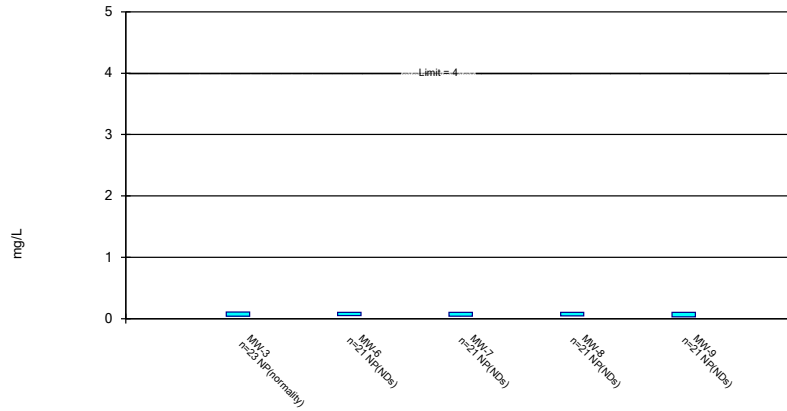
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

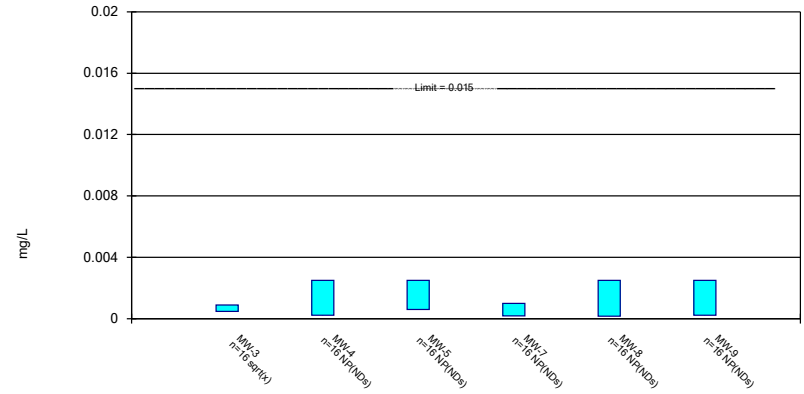
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

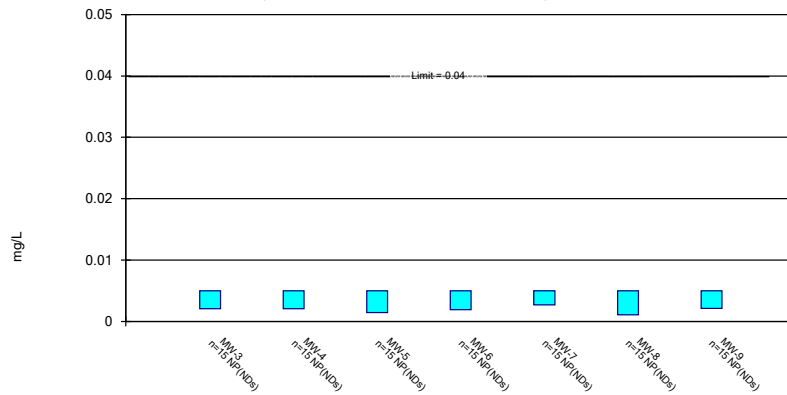
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

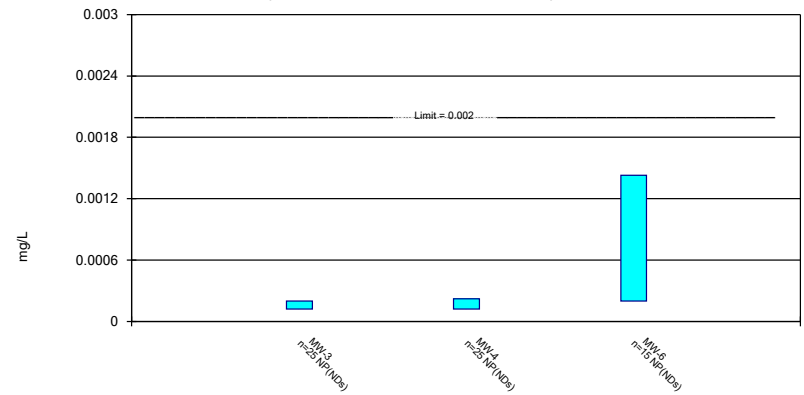
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

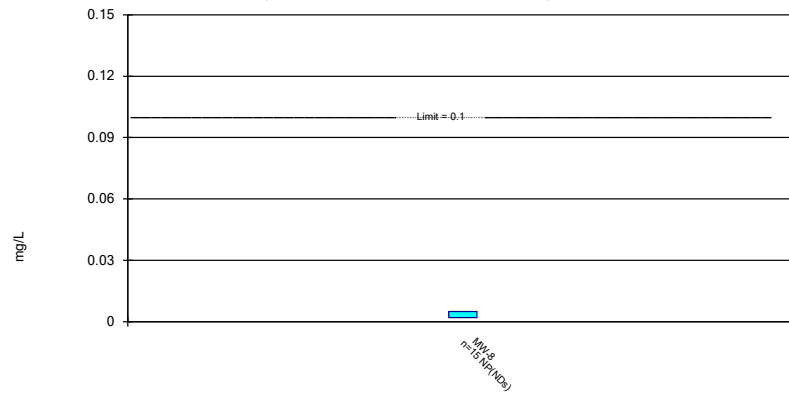
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

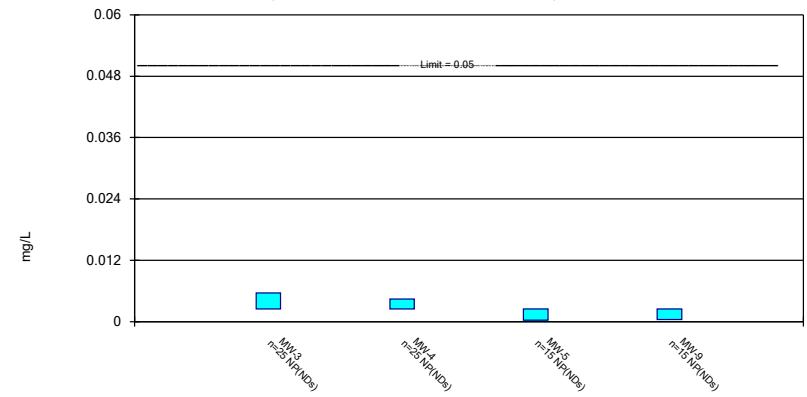
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

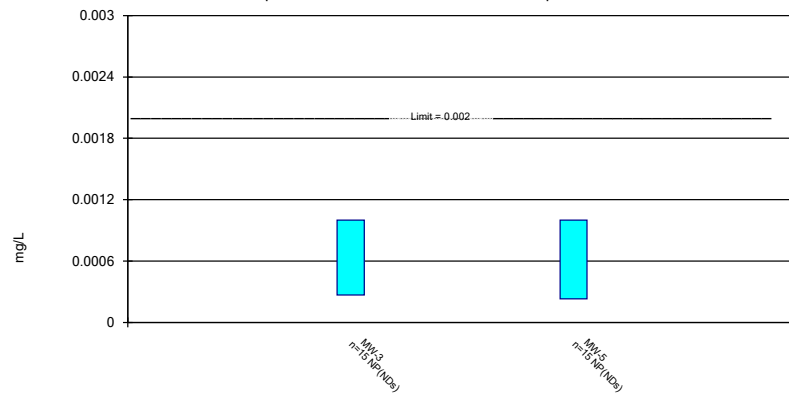
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 6/7/2023 8:29 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

# Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4
3/22/2016	<0.005
5/16/2016	<0.005
7/12/2016	<0.005
9/13/2016	<0.005
11/16/2016	<0.005
1/16/2017	<0.005
3/20/2017	<0.005
5/23/2017	<0.005
2/22/2020	<0.005
10/23/2020	<0.005
3/15/2021	<0.005
10/6/2021	<0.005
3/14/2022	<0.005
10/4/2022	0.000671 (J)
4/17/2023	<0.005
Mean	0.004711
Std. Dev.	0.001118
Upper Lim.	0.005
Lower Lim.	0.000671



# Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-5
3/22/2016	<0.003	<0.003
5/16/2016	<0.003	
5/17/2016		<0.003
7/11/2016	<0.003	
7/12/2016		<0.003
9/12/2016	<0.003	
9/13/2016		<0.003
11/16/2016	<0.003	<0.003
1/16/2017	<0.003 (*)	<0.003
3/20/2017	<0.003	<0.003
5/22/2017	<0.003	
5/23/2017		<0.003
2/22/2020	0.00204	<0.003
4/14/2020	0.00361	
4/15/2020		0.000332 (J)
10/23/2020	0.00169	<0.003
3/15/2021	0.0016	<0.003
10/6/2021	<0.003	<0.003
3/14/2022	<0.003	
3/15/2022		<0.003
10/3/2022	<0.003	
10/4/2022		<0.003
4/17/2023	<0.003	
4/18/2023		<0.003
Mean	0.002809	0.002833
Std. Dev.	0.0005407	0.000667
Upper Lim.	0.00361	0.003
Lower Lim.	0.00204	0.000332

# Confidence Interval

Constituent: Barium (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
1/29/2015	0.095	0.05					
3/3/2015	0.1	0.05					
4/7/2015	0.1	0.055					
5/14/2015	0.096	0.051					
6/3/2015	0.1	0.052					
6/18/2015	0.095	0.06					
6/30/2015	0.093	0.05					
7/15/2015	0.1	0.048					
1/11/2016	0.11	0.051					
3/21/2016					0.16	0.11	0.043
3/22/2016	0.11	0.052	0.066	0.076			
5/16/2016	0.096	0.058		0.12	0.16		0.032
5/17/2016			0.048			0.093	
7/11/2016	0.092			0.068	0.15	0.1	0.037
7/12/2016		0.048	0.066				
9/12/2016	0.11			0.068	0.16		
9/13/2016		0.055	0.068			0.12	0.04
11/16/2016	0.094	0.054	0.067	0.07	0.15		
11/17/2016						0.1	0.041
1/16/2017	0.1	0.055	0.065	0.065	0.15		
1/17/2017						0.1	0.039
3/20/2017	0.096	0.059	0.067	0.066	0.17	0.11	0.035
5/22/2017	0.1			0.064	0.17		
5/23/2017		0.066	0.067			0.11	0.044
11/27/2017	0.1	0.072					
2/21/2020					0.0988	0.143	0.0572
2/22/2020	0.165	0.0696	0.0673	0.0557			
4/14/2020	0.17			0.0549	0.0891		
4/15/2020		0.0658	0.0641			0.133	0.0459
10/22/2020					0.0755	0.0836	0.0425
10/23/2020	0.139	0.0598	0.0603	0.0554			
3/15/2021	0.129	0.0635	0.065	0.0599	0.0943	0.0905	0.0499
10/6/2021	0.195	0.047	0.0508	0.0843	0.155	0.089	0.0305
3/14/2022	0.164	0.0436				0.117	0.0278
3/15/2022			0.0515	0.0789	0.3		
10/3/2022	0.135				0.195	0.0757	0.0307
10/4/2022		0.0364	0.0611	0.0549			
4/17/2023	0.0944	0.0408					
4/18/2023			0.0814	0.0432	0.198	0.0785	0.0356
Mean	0.1146	0.05433	0.06347	0.06776	0.1547	0.1033	0.03944
Std. Dev.	0.02892	0.008576	0.008045	0.01736	0.05328	0.01885	0.007746
Upper Lim.	0.129	0.05851	0.0673	0.07776	0.186	0.1156	0.04448
Lower Lim.	0.096	0.05015	0.0515	0.05677	0.1189	0.09107	0.0344

# Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
3/21/2016					0.00044 (B1J)	<0.0005
3/22/2016	<0.00034	<0.0005	<0.001	<0.0005		
5/16/2016	<0.00034	<0.0005		<0.0005	0.0004 (J)	
5/17/2016			<0.001			0.00034 (J)
7/11/2016	<0.00034			<0.0005	0.00038 (J)	0.00041 (J)
7/12/2016		<0.0005	<0.001			
9/12/2016	<0.00034			<0.0005	0.00035 (J)	
9/13/2016		<0.0005	<0.001			<0.0005
11/16/2016	<0.00034	<0.0005	<0.001	<0.0005	0.00039 (J)	
11/17/2016						<0.0005
1/16/2017	<0.00034	<0.0005	<0.001	<0.0005	0.00044 (J)	
1/17/2017						0.00034 (J)
3/20/2017	<0.00034	<0.0005	<0.001	<0.0005	0.0004 (J)	0.00036 (J)
5/22/2017	<0.00034			<0.0005	0.00046 (J)	
5/23/2017		<0.0005	<0.001			<0.0005
2/21/2020					0.000284 (J)	0.000255 (J)
2/22/2020	0.000486 (J)	<0.0005	<0.001	<0.0005		
4/14/2020	0.000629 (J)			<0.0005	0.000304 (J)	
4/15/2020		<0.0005	0.000191 (J)			0.000248 (J)
10/22/2020					0.000257 (J)	<0.0005
10/23/2020	0.000486 (J)	<0.0005	<0.001	<0.0005		
3/15/2021	0.00044 (J)	<0.0005	<0.001	<0.0005	0.000303 (J)	<0.0005
10/6/2021	0.000569 (J)	0.000186 (J)	<0.001	0.000303 (J)	0.000403 (J)	<0.0005
3/14/2022	0.000406 (J)	<0.0005				<0.0005
3/15/2022			<0.001	<0.0005	0.000562 (J)	
10/3/2022	0.000349 (J)				0.000278 (J)	<0.0005
10/4/2022		<0.0005	<0.001	<0.0005		
4/17/2023	0.00029 (J)	<0.0005				
4/18/2023			0.00024 (J)	<0.0005	0.00038 (J)	<0.0005
Mean	0.0003984	0.0004804	0.0009019	0.0004877	0.0003769	0.0004346
Std. Dev.	9.692E-05	7.85E-05	0.0002681	4.925E-05	7.973E-05	9.449E-05
Upper Lim.	0.000486	0.0005	0.001	0.0005	0.0004288	0.0005
Lower Lim.	0.00034	0.000186	0.00024	0.000303	0.0003251	0.00034

# Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5
3/22/2016	<0.001
5/17/2016	<0.001
7/12/2016	<0.001
9/13/2016	<0.001
11/16/2016	<0.001
1/16/2017	<0.001
3/20/2017	0.0022 (J)
5/23/2017	<0.001
2/22/2020	<0.001
10/23/2020	<0.001
3/15/2021	<0.001
10/6/2021	<0.001
3/15/2022	0.000233 (J)
10/4/2022	<0.001
4/18/2023	0.000295 (J)
Mean	0.0009819
Std. Dev.	0.0004243
Upper Lim.	0.0022
Lower Lim.	0.000295

# Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-9
1/29/2015	<0.005	<0.005	
3/3/2015	<0.005	<0.005	
4/7/2015	0.0021 (J)	<0.005	
5/14/2015	<0.005	<0.005	
6/3/2015	<0.005	<0.005	
6/18/2015	0.0043 (J)	0.0041 (J)	
6/30/2015	<0.005	<0.005	
7/15/2015	<0.005	<0.005	
1/11/2016	<0.005	<0.005	
3/21/2016			<0.005
3/22/2016	<0.005	<0.005	
5/16/2016	<0.005	<0.005	<0.005
7/11/2016	<0.005		<0.005
7/12/2016		<0.005	
9/12/2016	<0.005		
9/13/2016		<0.005	<0.005
11/16/2016	<0.005	<0.005	
11/17/2016			<0.005
1/16/2017	<0.005	<0.005	
1/17/2017			0.0024 (J)
3/20/2017	<0.005	<0.005	<0.005
5/22/2017	<0.005		
5/23/2017		<0.005	<0.005
11/27/2017	<0.005	<0.005	
2/21/2020			<0.005
2/22/2020	<0.005	<0.005	
10/22/2020			<0.005
10/23/2020	<0.005	<0.005	
3/15/2021	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005
3/14/2022	<0.005	<0.005	<0.005
10/3/2022	<0.005		<0.005
10/4/2022		<0.005	
4/17/2023	<0.005	<0.005	
4/18/2023			<0.005
Mean	0.004856	0.004964	0.004827
Std. Dev.	0.000591	0.00018	0.0006713
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0043	0.0041	0.0024

# Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016					0.0025	0.0015 (B1J)	0.0011 (B1J)
3/22/2016	0.002 (B1J)	0.0015 (B1J)	0.00096 (B1J)	0.0027			
5/16/2016	0.0015 (J)	0.0018 (J)		0.0025	0.0022 (J)		0.001 (J)
5/17/2016			0.00079 (J)			0.0014 (J)	
7/11/2016	0.0016 (J)			0.003	0.0023 (J)	0.0016 (J)	0.0012 (J)
7/12/2016		0.0014 (J)	0.00099 (J)				
9/12/2016	0.0019 (J)			0.0026	0.0024 (J)		
9/13/2016		0.0015 (J)	0.00084 (J)			0.0019 (J)	0.0012 (J)
11/16/2016	0.0016 (J)	0.0016 (J)	0.00097 (J)	0.0026	0.0022 (J)		
11/17/2016						0.0014 (J)	0.0011 (J)
1/16/2017	0.0018 (J)	0.0015 (J)	0.00088 (J)	0.0022 (J)	0.0021 (J)		
1/17/2017						0.0014 (J)	0.0011 (J)
3/20/2017	0.0017 (J)	0.0017 (J)	0.00096 (J)	0.0024 (J)	0.0025	0.0017 (J)	0.0012 (J)
5/22/2017	0.0017 (J)			0.0022 (J)	0.0025		
5/23/2017		0.0018 (J)	0.001 (J)			0.0015 (J)	0.0012 (J)
2/21/2020					0.00118 (J)	0.0016 (J)	0.0011 (J)
2/22/2020	0.00328	0.00148 (J)	0.001 (J)	0.00131 (J)			
4/14/2020	0.00377			0.00155 (J)	0.00131 (J)		
4/15/2020		0.00176 (J)	0.00117 (J)			0.00171 (J)	0.00121 (J)
10/22/2020					0.00111	0.00104	0.00108
10/23/2020	0.00289	0.00144	0.000951	0.0014			
3/15/2021	0.00341	0.00165	0.00112	0.00177	0.00146	0.00127	0.00137
10/6/2021	0.00327	0.00113	0.00137	0.00274	0.00241	0.00111	0.000969
3/14/2022	0.00259	0.00102				0.00117	0.000757
3/15/2022			0.00164	0.00341	0.00361		
10/3/2022	0.00202				0.00214	0.000726	0.000661
10/4/2022		0.00086	0.00217	0.00196			
4/17/2023	0.00157	0.00103					
4/18/2023			0.0042	0.00213	0.00232	0.00079	0.00074
Mean	0.002288	0.001448	0.001313	0.002279	0.00214	0.001364	0.001062
Std. Dev.	0.0007821	0.0002931	0.0008454	0.0005829	0.0006267	0.0003291	0.0001948
Upper Lim.	0.00328	0.001639	0.00164	0.002659	0.0025	0.001578	0.001188
Lower Lim.	0.0016	0.001257	0.00088	0.0019	0.00131	0.001149	0.000935

# Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016					2.6	2.05	0.666
3/22/2016	2.09	1.13	1.43	1.15			
5/16/2016	2.22	1.07		1.25	3.23		1.06
5/17/2016			1.49			2.9	
7/11/2016	1.58			1.06	2.11	1.58	0.558 (U)
7/12/2016		0.701	1.65				
9/12/2016	2.52			1.27	2.67		
9/13/2016		1	1.51			1.7	1.04
11/16/2016	1.62	1.45	1.76	1.27	2.6		
11/17/2016						1.99	0.646
1/16/2017	2.37	0.786	1.83	1.48	2.82		
1/17/2017						2.54	0.777
3/20/2017	1.87	1.04	1.19	0.843	2.34	1.76	0.42
5/22/2017	1.82			0.878	2.44		
5/23/2017		1.05	0.851			2.09	0.574
2/21/2020					1.49	2.19	1.31
2/22/2020	3.17	0.845	0.786	0.649			
4/14/2020	3.99			0.702	1.36		
4/15/2020		1.51	1.02			2	0.76
10/22/2020					1.11	1.84	0.847
10/23/2020	2.74	1.6	1.42	1.25			
3/15/2021	3.06	1.35	1	0.911	1.41	1.78	0.674
10/6/2021	5.48	1.39	0.826	1.63	3.74	2.23	0.883
3/14/2022	3.53	0.585				2.16	0.715
3/15/2022			0.961	1.2	6.94		
10/3/2022	3.21				4.49	1.41	0.893
10/4/2022		0.719	1.32	1.66			
4/17/2023	2.05	0.593					
4/18/2023			1.55	0.606	5.17	1.18	0.65
Mean	2.708	1.051	1.287	1.113	2.908	1.963	0.7796
Std. Dev.	1.024	0.3324	0.3438	0.3276	1.549	0.4182	0.2221
Upper Lim.	3.28	1.267	1.511	1.326	3.733	2.235	0.9241
Lower Lim.	2.047	0.8349	1.063	0.8999	1.895	1.69	0.6351

# Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.1	<0.1	<0.1
3/22/2016	0.04 (J)	<0.1			
5/16/2016	0.04 (J)	<0.1	0.04 (J)		<0.1
5/17/2016				<0.1	
7/11/2016	0.04 (J)	<0.1	0.04 (J)	<0.1	<0.1
9/12/2016	0.04 (J)	<0.1	<0.1		
9/13/2016				<0.1	<0.1
11/16/2016	0.04 (J)	<0.1	<0.1		
11/17/2016				<0.1	<0.1
1/16/2017	<0.1	<0.1	<0.1		
1/17/2017				<0.1	<0.1
3/20/2017	<0.1	<0.1	<0.1	<0.1	<0.1
5/22/2017	0.04 (J)	0.05 (J)	0.04 (J)		
5/23/2017				<0.1	<0.1
10/17/2017	0.05 (J)				
10/18/2017		<0.1	<0.1	<0.1	<0.1
6/1/2018			<0.1	<0.1	<0.1
6/2/2018	0.05 (J)	<0.1			
11/7/2018	0.05 (J)		<0.1	<0.1	
11/8/2018		<0.1			<0.1
4/19/2019	0.108	<0.1	<0.1	<0.1	<0.1
6/7/2019	0.0937 (J)				
9/25/2019	0.198	<0.1	<0.1	0.0277 (J)	0.0313 (J)
11/29/2019	0.331				
2/21/2020			<0.1	<0.1	<0.1
2/22/2020	0.222	<0.1			
4/14/2020	0.23	0.0304 (J)	<0.1		
4/15/2020				<0.1	<0.1
10/22/2020			<0.1	<0.1	<0.1
10/23/2020	0.0988 (J)	<0.1			
3/15/2021	0.0991 (J)	<0.1	0.027 (J)	<0.1	<0.1
10/6/2021	0.11	<0.1	0.0317 (J)	0.0458 (J)	<0.1
3/14/2022	0.0643 (J)			<0.1	<0.1
3/15/2022		0.0268 (J)	0.0609 (J)		
10/3/2022	0.0388 (J)		0.032 (J)	<0.1	<0.1
10/4/2022		<0.1			
4/17/2023	0.0355 (J)				
4/18/2023		<0.1	0.0348 (J)	<0.1	<0.1
Mean	0.09214	0.09082	0.0765	0.09398	0.09673
Std. Dev.	0.07886	0.02338	0.0313	0.01924	0.01499
Upper Lim.	0.108	0.1	0.1	0.1	0.1
Lower Lim.	0.04	0.05	0.04	0.0458	0.0313



# Confidence Interval

Constituent: Lead (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9
3/21/2016				<0.001	<0.0025	<0.0025
3/22/2016	0.00038 (B1J)	<0.0025	<0.0025			
5/16/2016	0.00047 (J)	<0.0025		<0.001		<0.0025
5/17/2016			<0.0025		<0.0025	
7/11/2016	0.0004 (J)			<0.001	<0.0025	<0.0025
7/12/2016		<0.0025	<0.0025			
9/12/2016	<0.0013			<0.001		
9/13/2016		<0.0025	<0.0025		<0.0025	<0.0025
11/16/2016	0.00041 (J)	<0.0025	<0.0025	<0.001		
11/17/2016					<0.0025	<0.0025
1/16/2017	0.00039 (J)	<0.0025	<0.0025	<0.001		
1/17/2017					<0.0025	<0.0025
3/20/2017	0.00039 (J)	<0.0025	<0.0025	<0.001	<0.0025	<0.0025
5/22/2017	0.00044 (J)			<0.001		
5/23/2017		<0.0025	<0.0025		<0.0025	<0.0025
2/21/2020				0.000132 (J)	0.000128 (J)	0.00017 (J)
2/22/2020	0.00126	<0.0025	<0.0025			
4/14/2020	0.00142			0.000165 (J)		
4/15/2020		0.000192 (J)	0.000153 (J)		0.000147 (J)	0.000215 (J)
10/22/2020				<0.001	<0.0025	<0.0025
10/23/2020	0.00083 (J)	<0.0025	<0.0025			
3/15/2021	0.000889 (J)	<0.0025	<0.0025	<0.001	<0.0025	0.000159 (J)
10/6/2021	0.00107	0.000161 (J)	<0.0025	0.00017 (J)	<0.0025	<0.0025
3/14/2022	0.000932 (J)	0.000224 (J)			<0.0025	<0.0025
3/15/2022			0.000592 (J)	0.000368 (J)		
10/3/2022	0.000758 (J)			0.000219 (J)	<0.0025	<0.0025
10/4/2022		<0.0025	<0.0025			
4/17/2023	0.000545 (J)	<0.0025				
4/18/2023			<0.0025	0.000225 (J)	<0.0025	<0.0025
Mean	0.0007021	0.002067	0.002234	0.0007049	0.002205	0.002065
Std. Dev.	0.0003361	0.0009303	0.0007311	0.0003964	0.000807	0.0009347
Upper Lim.	0.0008879	0.0025	0.0025	0.001	0.0025	0.0025
Lower Lim.	0.0004781	0.000224	0.000592	0.00017	0.000147	0.000215

# Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016					<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005			
5/16/2016	<0.005	<0.005		<0.005	<0.005		<0.005
5/17/2016			<0.005			<0.005	
7/11/2016	<0.005			<0.005	<0.005	<0.005	<0.005
7/12/2016		<0.005	<0.005				
9/12/2016	<0.005			<0.005	<0.005		
9/13/2016		<0.005	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005	<0.005	<0.005		
11/17/2016						<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005	<0.005	<0.005		
1/17/2017						<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017	<0.005			<0.005	<0.005		
5/23/2017		<0.005	<0.005			<0.005	<0.005
2/21/2020					<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005	<0.005	<0.005			
10/22/2020					<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	0.00145 (J)	0.00205 (J)				0.00105 (J)	0.0011 (J)
3/15/2022			0.00142 (J)	0.00191 (J)	0.00192 (J)		
10/3/2022	0.00168 (J)				0.00179 (J)	0.000959 (J)	0.00106 (J)
10/4/2022		0.00206 (J)	0.00138 (J)	0.00139 (J)			
4/17/2023	0.00208 (J)	<0.005					
4/18/2023			<0.005	<0.005	0.00271 (J)	<0.005	0.00209 (J)
Mean	0.004347	0.004607	0.00452	0.004553	0.004428	0.004467	0.004283
Std. Dev.	0.001357	0.001036	0.001267	0.001183	0.001199	0.001406	0.0015
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00208	0.00206	0.00142	0.00191	0.00271	0.00105	0.00209

# Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-6
1/29/2015	0.00012 (J)	0.00012 (J)	
3/3/2015	<0.0002	<0.0002	
4/7/2015	<0.0002	<0.0002	
5/14/2015	<0.0002	<0.0002	
6/3/2015	8.5E-05 (J)	<0.0002	
6/18/2015	<0.0002	<0.0002	
6/30/2015	<0.0002	<0.0002	
7/15/2015	<0.0002	<0.0002	
1/11/2016	8.8E-05 (J)	8.7E-05 (J)	
3/22/2016	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)
5/16/2016	<0.0002	<0.0002	<0.0002
7/11/2016	<0.0002		<0.0002
7/12/2016		<0.0002	
9/12/2016	<0.0002		<0.0002
9/13/2016		<0.0002	
11/16/2016	<0.0002	<0.0002	<0.0002
1/16/2017	<0.0002	<0.0002	<0.0002
3/20/2017	<0.0002	<0.0002	<0.0002
5/22/2017	<0.0002		<0.0002
5/23/2017		<0.0002	
11/27/2017	<0.0002	0.00022	
2/22/2020	<0.0002	<0.0002	<0.0002
10/23/2020	<0.0002	<0.0002	<0.0002
3/15/2021	<0.0002	<0.0002	<0.0002
10/6/2021	<0.0002	<0.0002	<0.0002
3/14/2022	<0.0002	<0.0002	
3/15/2022			<0.0002
10/3/2022	<0.0002		
10/4/2022		<0.0002	0.00143
4/17/2023	<0.0002	<0.0002	
4/18/2023			0.00242
Mean	0.0001877	0.0001931	0.00043
Std. Dev.	3.44E-05	2.767E-05	0.0006351
Upper Lim.	0.0002	0.00022	0.00143
Lower Lim.	0.00012	0.00012	0.0002

# Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8
3/21/2016	<0.005
5/17/2016	<0.005
7/11/2016	<0.005
9/13/2016	<0.005
11/17/2016	<0.005
1/17/2017	<0.005
3/20/2017	<0.005
5/23/2017	<0.005
2/21/2020	<0.005
10/22/2020	<0.005
3/15/2021	0.00192 (J)
10/6/2021	<0.005
3/14/2022	<0.005
10/3/2022	<0.005
4/18/2023	<0.005
Mean	0.004795
Std. Dev.	0.0007953
Upper Lim.	0.005
Lower Lim.	0.00192

# Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-9
1/29/2015	<0.0025	<0.0025		
3/3/2015	<0.0025	<0.0025		
4/7/2015	<0.0025	<0.0025		
5/14/2015	<0.0025	<0.0025		
6/3/2015	<0.0025	<0.0025		
6/18/2015	0.0056 (J)	<0.0025		
6/30/2015	0.0062 (J)	0.0044 (J)		
7/15/2015	<0.0025	<0.0025		
1/11/2016	<0.0025	<0.0025		
3/21/2016				<0.0025
3/22/2016	<0.0025	<0.0025	<0.0025	
5/16/2016	<0.0025	<0.0025		0.00031 (J)
5/17/2016			<0.0025	
7/11/2016	<0.0025			0.0004 (J)
7/12/2016		<0.0025	<0.0025	
9/12/2016	<0.0025			
9/13/2016		<0.0025	<0.0025	<0.0025 (*)
11/16/2016	<0.0025	<0.0025	<0.0025	
11/17/2016				<0.0025
1/16/2017	<0.0025	<0.0025	<0.0025	
1/17/2017				<0.0025
3/20/2017	<0.0025 (*)	<0.0025	<0.0025	<0.0025
5/22/2017	<0.0025			
5/23/2017		<0.0025	0.0003 (J)	<0.0025
11/27/2017	<0.0025	<0.0025		
2/21/2020				<0.0025
2/22/2020	<0.0025	<0.0025	<0.0025	
10/22/2020				<0.0025
10/23/2020	<0.0025	<0.0025	<0.0025	
3/15/2021	<0.0025	<0.0025	<0.0025	<0.0025
10/6/2021	<0.0025	<0.0025	<0.0025	<0.0025
3/14/2022	<0.0025	<0.0025		<0.0025
3/15/2022			<0.0025	
10/3/2022	<0.0025			<0.0025
10/4/2022		<0.0025	<0.0025	
4/17/2023	<0.0025	<0.0025		
4/18/2023			<0.0025	<0.0025
Mean	0.002772	0.002576	0.002353	0.002214
Std. Dev.	0.0009454	0.00038	0.000568	0.0007549
Upper Lim.	0.0056	0.0044	0.0025	0.0025
Lower Lim.	0.0025	0.0025	0.0003	0.0004

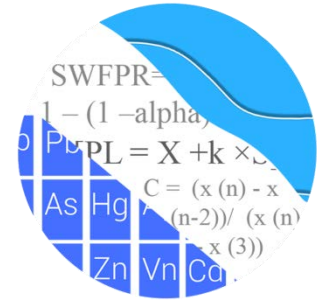
# Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 6/7/2023 8:30 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-5
3/22/2016	<0.001	<0.001
5/16/2016	<0.001	
5/17/2016		<0.001
7/11/2016	<0.001	
7/12/2016		<0.001
9/12/2016	<0.001	
9/13/2016		<0.001
11/16/2016	<0.001	<0.001
1/16/2017	<0.001	<0.001
3/20/2017	<0.001	<0.001
5/22/2017	<0.001	
5/23/2017		<0.001
2/22/2020	<0.001	<0.001
10/23/2020	<0.001	<0.001
3/15/2021	<0.001	<0.001
10/6/2021	0.000269 (J)	0.000231 (J)
3/14/2022	<0.001	
3/15/2022		<0.001
10/3/2022	<0.001	
10/4/2022		<0.001
4/17/2023	<0.001	
4/18/2023		<0.001
Mean	0.0009513	0.0009487
Std. Dev.	0.0001887	0.0001986
Upper Lim.	0.001	0.001
Lower Lim.	0.000269	0.000231

**2nd**  
**Semi-Annual**  
**Monitoring Event**

# GROUNDWATER STATS CONSULTING



January 31, 2024

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

Re: Plant Daniel Gypsum Storage Area (GSA)  
2023 Annual Statistical Analysis – October 2023 Sample Event

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 2023 Annual Groundwater Detection and Assessment Monitoring report for Mississippi Power Company's Plant Daniel GSA. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015) as well as with the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

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

- **Upgradient wells:** MW-1, MW-2, and MW-10
- **Downgradient wells:** MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician for Groundwater Stats Consulting.

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



- **Appendix III** (Detection Monitoring) – boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A list of Appendix IV downgradient 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. When constructing 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 and IV parameters are provided for all wells and are used to evaluate concentrations over time. 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. A summary of these values follows this letter. 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 previous 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 are 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 prediction 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 prediction 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.

Note that values shown on data pages reflect raw data and any non-detects that have been substituted with one-half of the reporting limit will be shown as "<" the original reporting limit, such as the non-detect values for chloride in wells MW-6 and MW-10, and TDS in wells MW-3, MW-4, and MW-5.

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.

## Summary of Background Screening Conducted in September 2017

During the initial background screening conducted in September 2017, all proposed background data were screened for outliers and trends. The statistical method used at this site includes intrawell prediction limits, combined with a 1-of-2 resample plan, for each of the Appendix III parameters. Below is the summary of the findings from the initial screening, which is followed by the summary of the background update screenings performed in 2019 and 2022.

### Outlier and Trend Testing

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 and Appendix IV parameters are 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 true 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.

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 Gypsum Storage Area 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 are recommended for this facility to accommodate the groundwater quality. A summary table of the ANOVA results was included with the screening reports.

### **Summary of Background Updates – Appendix III Parameters**

#### **November 2019**

Prior to updating background data, samples were screened using time series plots for all wells for Appendix III parameters for outliers on proposed background data through the April 2019 sample event. For calcium and sulfate at well MW-3, the April 2019 reported values were higher than those reported historically and were, therefore, flagged as outliers and not included in the background data set at this time. Additionally, the highest measurements were flagged for a few other well/constituent pairs because the reported values did not appear to represent the populations at these wells. The resulting statistical limits are conservative (i.e., lower) from a regulatory perspective. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Additionally, a summary of all flagged values follows this letter.

The Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through May 2017 to the new compliance samples at each well through April 2019 to evaluate whether the groups are statistically different at the 99% confidence level for each of the Appendix III parameters. When no differences exist, 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. No statistically significant differences were found between the two groups except for the following: calcium in wells MW-3, MW-4, and MW-9; and sulfate in upgradient well MW-1.

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. For all well/constituent pairs except for sulfate at upgradient well as discussed below, due to the limited data available yet and the variability in data which shows some of the more recent data has similar concentrations to those reported in background, these data sets were updated. In the case of sulfate at upgradient well MW-1, the earlier portion of the record was truncated and the more recent set of measurements were used to construct the prediction limit as the older data no longer appear to represent the groundwater quality upgradient of the facility. These results were included in the 2019 Background Update report.

## **May 2022**

### Outlier Analysis

Prior to updating background data, samples were screened using time series plots and Tukey's outlier analysis for all wells for Appendix III parameters to identify potential outliers through the October 2021 sample event. Tukey's outlier test confirmed previously flagged values for chloride at well MW-3 and pH at well MW-8. Although other values were identified for chloride at well MW-6 and pH at well MW-7, these observations were not flagged as outliers since they were not dramatically higher than existing concentrations within the respective wells. Time series plots confirmed additional values flagged as outliers during previous screenings except for a low value for boron in well MW-1, which was unflagged. As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Additionally, a summary of all flagged values follows this letter.

### Mann-Whitney Test of Medians

The Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through April 2019 to the new compliance samples at each well through October 2021 to evaluate whether the groups are statistically different at the 99% confidence level for each of the Appendix III parameters. Previously truncated data sets discussed above were also compared to the most recent set of measurements through

October 2021. When no differences exist, 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. Note that no reports were produced for boron at wells MW-4, MW-5, and MW-6 as well as for fluoride at wells MW-4 and MW-5 since there was no variation in the data. Statistically significant differences (either an increase or decrease in median concentrations) were identified for the following well/constituent pairs:

#### Increase

- Calcium: MW-3
- Chloride: MW-2 (upgradient) and MW-9
- Fluoride: MW-3
- Sulfate: MW-3
- TDS: MW-3

#### Decrease

- Calcium: MW-1 (upgradient)
- Chloride: MW-1 (upgradient) and MW-7
- Sulfate: MW-4

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. In the case of calcium at upgradient well MW-1, the earlier portion of the record was truncated and the more recent set of measurements were used to construct the prediction limit to better represent present-day groundwater quality conditions. For sulfate at MW-4, the record was updated with compliance data since all of the most recent values were below the reporting limit of 5 mg/L. Both chloride at upgradient well MW-1 and downgradient well MW-7 were also updated since the compliance measurements were lower and would construct statistical limits that are conservative (i.e., lower) from a regulatory perspective.

Regarding cases with increases in median concentrations, the records for chloride at upgradient well MW-2 and downgradient well MW-9 were updated since the compliance data were either similar to or within the range of historic concentrations. The records for calcium, fluoride, sulfate, and TDS at MW-3 were not updated. While the most recent concentrations have returned to historical levels, the majority of the compliance values were higher than those reported earlier in the record. Therefore, these records will be re-evaluated during the next background update. A list of any well/constituent pairs using a truncated portion of their record follows this report.

## Statistical Analysis of Appendix III Parameters – October 2023

### Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample strategy, were established for the Appendix III parameters at each well using historical data through October 2021, except for cases mentioned above, to evaluate the October 2023 samples. Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at that well.

Note that reporting limit changes for boron at wells MW-7 and MW-8 from 0.1 mg/L to 0.08 mg/L and TDS at well MW-5 from 3.4 mg/L to 5 mg/L resulted in slight changes to intrawell prediction limits from the previous analysis. No significant changes occurred as a result of the reporting limit differences.

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. Initial exceedances were identified for the following well/constituent pairs:

- Boron: MW-1 (upgradient)
- Calcium: MW-3 and MW-7
- Sulfate: MW-10 (upgradient), MW-5, and MW-9

### Trend Test Evaluation

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable. 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. Statistically significant trends were identified for the following well/constituent pairs:



Increasing:

- Calcium: MW-2 (upgradient) and MW-3
- Sulfate: MW-1 (upgradient)

Decreasing:

- Calcium: MW-1 (upgradient)

## **Statistical Methods – Appendix IV Parameters**

Appendix IV parameters are evaluated by statistically comparing the mean or median of each downgradient well/constituent pair against corresponding Groundwater Protection Standards (GWPS). The GWPS may be either regulatory (MCL or CCR rule-specified limits) or site-specific limits that are based on upgradient background groundwater quality. Site-specific background limits are determined using upper tolerance limits, and the comparison of downgradient means or medians to GWPS is performed using confidence intervals.

### **Evaluation of Appendix IV Parameters – October 2023**

Prior to evaluating Appendix IV parameters, upgradient data were screened through visual screening for potential outliers and extreme trending patterns that would lead to artificially elevated statistical limits. High outliers are also cautiously flagged in the downgradient wells when they are clearly much different from the rest of the data. This is intended to be a regulatory conservative approach in that it will reduce the variance and thus reduce the width of confidence intervals, although it will also reduce the mean and thus lower the entire interval for parametric confidence intervals. The intent is to better represent the actual downgradient mean. Flagging high outliers should have no effect on the lower limit of nonparametric confidence intervals. No additional outliers were flagged during this analysis.

During previous analyses, Tukey's outlier test for Appendix IV parameters in downgradient wells identified a high value for barium in well MW-3. However, this value was not flagged in order to be consistent with caution in flagging downgradient data for Appendix IV constituents. Tukey's outlier test on pooled upgradient well data did not identify any outliers; however, the highest measurement of combined radium 226 + 228 in well MW-1 was identified visually and flagged as it did not appear to accurately represent groundwater quality upgradient of the site. A complete list of flagged outliers follows this report.



### Interwell Upper Tolerance Limits

Parametric upper tolerance limits were used to calculate background limits from pooled upgradient well data through October 2023 for Appendix IV parameters with a target of 95% confidence and 95% coverage to determine background limits. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples.

### Groundwater Protection Standards

These interwell upper tolerance limits were compared to the Maximum Contaminant Levels (MCLs), CCR Rule-Specified levels, and background limits in the Groundwater Protection Standard (GWPS) table following this letter to determine the highest limit for use as the GWPS in the Confidence Interval comparisons.

### Confidence Intervals

Confidence intervals were then constructed on downgradient wells using all data through October 2023 for each of the Appendix IV parameters. The Sanitas software was used to calculate the confidence intervals, either parametric or nonparametric, as appropriate. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number of samples available. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its respective standard. Complete graphical results of the confidence interval follow this letter. No exceedances were identified.

### Trend Test Evaluation – Appendix IV

When confidence interval 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 95% confidence level. Utilizing the 95% confidence level for trend tests readily identifies significant trends and is more sensitive than the 99% confidence level without drastically increasing the false negative rate. Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells. When similar patterns exist upgradient of the site, it is an indication of variability in groundwater which may be unrelated to practices at the site. Since no exceedances were identified, no trend tests were required.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Daniel Gypsum Storage Area. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew Collins  
Project Manager



Kristina L. Rayner  
Senior Statistician

# Date Ranges

Date: 12/1/2023 11:28 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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Calcium (mg/L)

MW-1 background:11/8/2018-10/6/2021

MW-3 background:3/22/2016-11/8/2018

Fluoride (mg/L)

MW-3 background:3/22/2016-9/25/2019

Sulfate (mg/L)

MW-1 background:1/16/2017-10/6/2021

MW-3 background:1/29/2015-11/7/2018

Total Dissolved Solids (mg/L)

MW-3 background:3/22/2016-9/25/2019

# 100% Non-Detects: Appendix IV Downgradient

Analysis Run 12/1/2023 11:54 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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Antimony (mg/L)

MW-3, MW-5, MW-6, MW-7, MW-8, MW-9

Arsenic (mg/L)

MW-4, MW-6, MW-7, MW-8, MW-9

Beryllium (mg/L)

MW-9

Cadmium (mg/L)

MW-3, MW-4, MW-6, MW-7, MW-8, MW-9

Chromium (mg/L)

MW-5, MW-6, MW-7, MW-8

Lead (mg/L)

MW-6

Mercury (mg/L)

MW-5, MW-7, MW-8, MW-9

Molybdenum (mg/L)

MW-3, MW-4, MW-5, MW-6, MW-7, MW-9

Selenium (mg/L)

MW-6, MW-7, MW-8

Thallium (mg/L)

MW-4, MW-6, MW-7, MW-8, MW-9

# Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:45 AM

Constituent	Well	Upper Lim.	Lower Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method	
Boron (mg/L)	MW-1	0.08	n/a	10/26/2023	0.11	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	10/26/2023	1.84	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	10/26/2023	2.53	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	10/26/2023	4.98	Yes	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	10/26/2023	7.15	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.045	n/a	10/27/2023	3.34	Yes	17	1.127	0.1444	41.18	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2

# Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:45 AM

Constituent	Well	Upper Lim.	Lower Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Boron (mg/L)</b>	<b>MW-1</b>	<b>0.08</b>	<b>n/a</b>	<b>10/26/2023 0.11</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>82.35</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Boron (mg/L)	MW-10	0.08	n/a	10/26/2023 0.0372J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	10/26/2023 0.0521J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.15	n/a	10/26/2023 0.0424J	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	10/26/2023 0.0285J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	10/26/2023 0.08ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	10/26/2023 0.08ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.08	n/a	10/26/2023 0.08ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.08	n/a	10/27/2023 0.08ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	10/27/2023 0.0251J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	4.644	n/a	10/26/2023 2.49	No	8	3.261	0.473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.278	n/a	10/26/2023 0.491J	No	16	0.8085	0.2075	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.288	n/a	10/26/2023 1.02	No	19	0.932	0.1632	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>1.615</b>	<b>n/a</b>	<b>10/26/2023 1.84</b>	<b>Yes</b>	<b>11</b>	<b>1.044</b>	<b>0.2254</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-4	2.387	n/a	10/26/2023 1.13	No	18	1.786	0.2723	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.433	n/a	10/26/2023 1.91	No	18	1.909	0.237	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.582	n/a	10/26/2023 0.754	No	18	1.219	0.1643	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-7</b>	<b>2.488</b>	<b>n/a</b>	<b>10/26/2023 2.53</b>	<b>Yes</b>	<b>18</b>	<b>1.641</b>	<b>0.3837</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-8	3.587	n/a	10/27/2023 1.55	No	19	2.392	0.5473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.284	n/a	10/27/2023 0.965	No	19	0.9727	0.1426	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	12.87	n/a	10/26/2023 3.82	No	17	5.716	3.201	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	8.092	n/a	10/26/2023 5.14	No	17	5.278	1.259	5.882	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	10.37	n/a	10/26/2023 8.66	No	17	8.149	0.9926	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.81	n/a	10/26/2023 9.28	No	16	9.844	0.8683	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	9.845	n/a	10/26/2023 7.91	No	17	7.669	0.9736	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.14	n/a	10/26/2023 5.94	No	17	7.845	1.472	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	10.5	n/a	10/26/2023 5.75	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-7	18.99	n/a	10/26/2023 7.22	No	17	182	79.97	0	None	x^2	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	12.06	n/a	10/27/2023 5.18	No	18	9.243	1.274	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	13.2	n/a	10/27/2023 7.39	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	10/26/2023 0.0601J	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	10/26/2023 0.1ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	10/26/2023 0.0679J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.198	n/a	10/26/2023 0.0891J	No	14	n/a	n/a	14.29	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	10/26/2023 0.0792J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	10/26/2023 0.0942J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	10/26/2023 0.084J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	10/26/2023 0.0398J	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	10/27/2023 0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	10/27/2023 0.0267J	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.742	4.434	10/26/2023 5.05	No	27	5.088	0.3167	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	10/26/2023 5.35	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-2	5.68	4.79	10/26/2023 4.96	No	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.793	4.198	10/26/2023 4.44	No	27	4.495	0.1441	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.101	4.653	10/26/2023 4.67	No	27	4.877	0.1084	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.555	10/26/2023 4.96	No	18	4.819	0.1199	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	10/26/2023 4.65	No	18	4.666	0.07694	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	10/26/2023 4.39	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-8	4.977	4.352	10/27/2023 4.73	No	17	4.665	0.1398	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	10/27/2023 4.91	No	18	4.904	0.06661	0	None	No	0.0005373	Param Intra 1 of 2
Sulfate (mg/L)	MW-1	13.22	n/a	10/26/2023 9.32	No	16	8.634	2.028	6.25	None	No	0.001075	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-10</b>	<b>2.1</b>	<b>n/a</b>	<b>10/26/2023 4.98</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>70.59</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-2	3.1	n/a	10/26/2023 1.05	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	10/26/2023 1.97	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-4	5	n/a	10/26/2023 3.13	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

# Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:45 AM

Constituent	Well	Upper Lim.	Lower Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Sulfate (mg/L)</b>	<b>MW-5</b>	<b>6.05</b>	<b>n/a</b>	<b>10/26/2023 7.15</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>52.94</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-6	3.436	n/a	10/26/2023 1.95	No	17	2.15	0.5757	11.76	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1.57	n/a	10/26/2023 1ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	4.11	n/a	10/27/2023 2.55	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-9</b>	<b>3.045</b>	<b>n/a</b>	<b>10/27/2023 3.34</b>	<b>Yes</b>	<b>17</b>	<b>1.127</b>	<b>0.1444</b>	<b>41.18</b>	<b>Kaplan-Meier x^(1/3)</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>	
Total Dissolved Solids (mg/L)	MW-1	102.2	n/a	10/26/2023 31	No	17	52	22.48	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	61.8	n/a	10/26/2023 23	No	17	28.09	15.09	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	60.69	n/a	10/26/2023 15	No	17	25.49	15.75	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	131.8	n/a	10/26/2023 29	No	14	46.84	36.1	7.143	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	64.23	n/a	10/26/2023 13	No	17	33.09	13.93	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	57.76	n/a	10/26/2023 5ND	No	17	32.29	11.39	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	52.16	n/a	10/26/2023 12	No	17	24.08	12.56	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	65.57	n/a	10/26/2023 36	No	17	39.06	11.86	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-8	76.83	n/a	10/27/2023 19	No	17	40.38	16.31	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	54.68	n/a	10/27/2023 19	No	17	30.44	10.85	5.882	None	No	0.001075	Param Intra 1 of 2

# Appendix III Trend Tests - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:58 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	MW-1 (bg)	-0.497	-183	-92	Yes	22	0	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.03215	114	98	Yes	23	0	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.3422	121	98	Yes	23	0	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.136	366	176	Yes	34	2.941	n/a	0.01	NP



# Appendix III Trend Tests - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:58 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Alpha</u>	<u>Method</u>
<b>Calcium (mg/L)</b>	<b>MW-1 (bg)</b>	<b>-0.497</b>	<b>-183</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-10 (bg)	-0.008204	-13	-81	No	20	0	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>MW-2 (bg)</b>	<b>0.03215</b>	<b>114</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>0.3422</b>	<b>121</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-7	0	-10	-92	No	22	0	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>MW-1 (bg)</b>	<b>1.136</b>	<b>366</b>	<b>176</b>	<b>Yes</b>	<b>34</b>	<b>2.941</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	MW-10 (bg)	0	28	87	No	21	61.9	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-62	-152	No	31	74.19	n/a	0.01	NP
Sulfate (mg/L)	MW-5	0	22	87	No	21	42.86	n/a	0.01	NP
Sulfate (mg/L)	MW-9	0.1369	82	87	No	21	33.33	n/a	0.01	NP

# Upper Tolerance Limits Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/8/2023, 10:35 AM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.002	n/a	n/a	n/a	48	n/a	n/a	93.75	n/a	n/a	0.08526	NP Inter(NDs)
Arsenic (mg/L)	0.00628	n/a	n/a	n/a	51	n/a	n/a	84.31	n/a	n/a	0.0731	NP Inter(NDs)
Barium (mg/L)	0.2492	n/a	n/a	n/a	71	-2.774	0.6979	0	None	ln(x)	0.05	Inter
Beryllium (mg/L)	0.001	n/a	n/a	n/a	51	n/a	n/a	82.35	n/a	n/a	0.0731	NP Inter(NDs)
Cadmium (mg/L)	0.001	n/a	n/a	n/a	48	n/a	n/a	100	n/a	n/a	0.08526	NP Inter(NDs)
Chromium (mg/L)	0.0073	n/a	n/a	n/a	68	n/a	n/a	91.18	n/a	n/a	0.03056	NP Inter(NDs)
Cobalt (mg/L)	0.0044	n/a	n/a	n/a	51	n/a	n/a	0	n/a	n/a	0.0731	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	3.162	n/a	n/a	n/a	50	1.008	0.3732	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	0.1	n/a	n/a	n/a	66	n/a	n/a	83.33	n/a	n/a	0.03387	NP Inter(NDs)
Lead (mg/L)	0.001	n/a	n/a	n/a	51	n/a	n/a	74.51	n/a	n/a	0.0731	NP Inter(NDs)
Lithium (mg/L)	0.005	n/a	n/a	n/a	48	n/a	n/a	87.5	n/a	n/a	0.08526	NP Inter(NDs)
Mercury (mg/L)	0.00031	n/a	n/a	n/a	68	n/a	n/a	94.12	n/a	n/a	0.03056	NP Inter(NDs)
Molybdenum (mg/L)	0.005	n/a	n/a	n/a	48	n/a	n/a	95.83	n/a	n/a	0.08526	NP Inter(NDs)
Selenium (mg/L)	0.0071	n/a	n/a	n/a	68	n/a	n/a	83.82	n/a	n/a	0.03056	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	48	n/a	n/a	87.5	n/a	n/a	0.08526	NP Inter(NDs)

<b>PLANT DANIEL GSA CCR GWPS TABLE</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR Rule-Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.0063	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.001	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.0073	0.1
Cobalt, Total (mg/L)		0.006	0.0044	0.006
Combined Radium, Total (pCi/L)	5		3.16	5
Fluoride, Total (mg/L)	4		0.1	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.005	0.04
Mercury, Total (mg/L)	0.002		0.00031	0.002
Molybdenum, Total (mg/L)		0.1	0.005	0.1
Selenium, Total (mg/L)	0.05		0.0071	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*

# Confidence Intervals - All Results (No Significant)

Plant Daniel    Client: Southern Company    Data: Plant Daniel Gypsum CCR    Printed 12/8/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-4	0.002	0.000671	0.006	No	16	0.001917	0.0003323	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-3	0.0016	0.001	0.01	No	17	0.001291	0.0006752	76.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	17	0.0009607	0.000162	94.12	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.095	2	No	27	0.1137	0.02869	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.0581	0.04994	2	No	27	0.05402	0.008558	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0603	2	No	17	0.06334	0.007809	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07624	0.056	2	No	17	0.06666	0.0174	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-7	0.1867	0.1226	2	No	17	0.157	0.05241	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1139	0.08861	2	No	17	0.1012	0.02018	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04523	0.03511	2	No	17	0.04017	0.008076	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.0004647	0.0002981	0.004	No	17	0.0003874	0.0001044	47.06	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	17	0.0009521	0.0001974	94.12	Kaplan-Meier	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.00024	0.004	No	17	0.0009077	0.0002607	88.24	Kaplan-Meier	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	17	0.000959	0.000169	94.12	Kaplan-Meier	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004237	0.0003264	0.004	No	17	0.0003751	0.000077590		None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.00034	0.004	No	17	0.0007619	0.0003341	64.71	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000295	0.005	No	16	0.0009321	0.0004558	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	26	0.002092	0.0004507	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	26	0.002081	0.0004118	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	16	0.002025	0.0001	93.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00327	0.00158	0.006	No	17	0.002246	0.0007765	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.00162	0.001262	0.006	No	17	0.001441	0.0002853	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.00164	0.000951	0.006	No	17	0.001419	0.0009273	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-6	0.002639	0.001931	0.006	No	17	0.002285	0.0005648	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.0025	0.00146	0.006	No	17	0.002156	0.0006103	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-8	0.001548	0.001097	0.006	No	17	0.001323	0.0003603	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001174	0.0009353	0.006	No	17	0.001055	0.0001907	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.242	2.09	5	No	17	2.71	0.992	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.241	0.8306	5	No	17	1.036	0.3279	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.509	1.088	5	No	17	1.298	0.3361	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.306	0.9069	5	No	17	1.106	0.3184	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.939	2.022	5	No	17	2.981	1.53	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.199	1.673	5	No	17	1.936	0.4195	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9417	0.6551	5	No	17	0.7984	0.2286	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.108	0.04	4	No	24	0.09201	0.07713	8.333	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-4	0.1	0.0792	4	No	22	0.09905	0.004435	95.45	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-5	0.1	0.0942	4	No	22	0.09974	0.001237	95.45	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-6	0.1	0.084	4	No	22	0.09051	0.02286	81.82	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.0398	4	No	22	0.07483	0.03153	59.09	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	22	0.09425	0.01882	90.91	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	22	0.09355	0.0209	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.0008534	0.0004805	0.015	No	17	0.0006929	0.0003276	5.882	None	x^(1/3)	0.01	Param.
Lead (mg/L)	MW-4	0.001	0.000224	0.015	No	17	0.0008575	0.0003176	82.35	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000592	0.015	No	17	0.0009262	0.0002224	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.000215	0.015	No	17	0.0006761	0.0004018	58.82	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	17	0.0008985	0.0002865	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.000215	0.015	No	17	0.0008555	0.0003219	82.35	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00208	0.04	No	16	0.004388	0.001321	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00206	0.04	No	16	0.004632	0.001006	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	16	0.00455	0.00123	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	16	0.004581	0.001148	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00271	0.04	No	16	0.004464	0.001167	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	16	0.004501	0.001365	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.00209	0.04	No	16	0.004328	0.00146	81.25	None	No	0.01	NP (NDs)

# Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/8/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	26	0.0001882	0.0000337988.46	None	No	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.0002	0.00012	0.002	No	26	0.0001933	0.0000271488.46	None	No	No	0.01	NP (NDs)
Mercury (mg/L)	MW-6	0.00143	0.000149	0.002	No	16	0.0004124	0.0006176	81.25	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	16	0.004807	0.00077	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	26	0.005069	0.0002589	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	26	0.004977	0.0001177	96.15	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	16	0.004706	0.001175	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	16	0.004419	0.001587	87.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	16	0.0009543	0.0001828	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	16	0.0009519	0.0001923	93.75	None	No	0.01	NP (NDs)

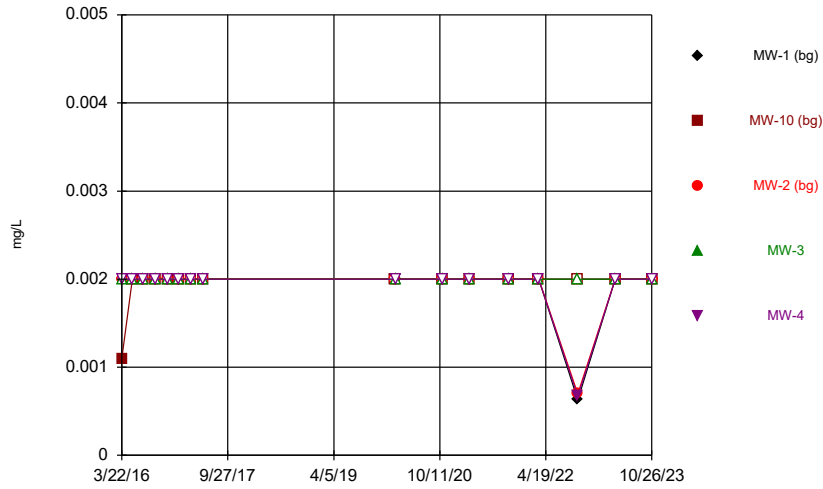
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Upper Tolerance Limits	190
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# Time Series

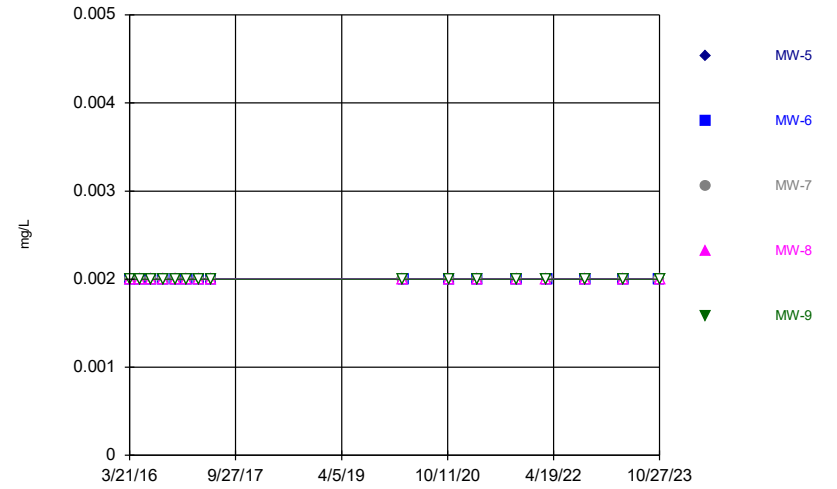
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Time Series



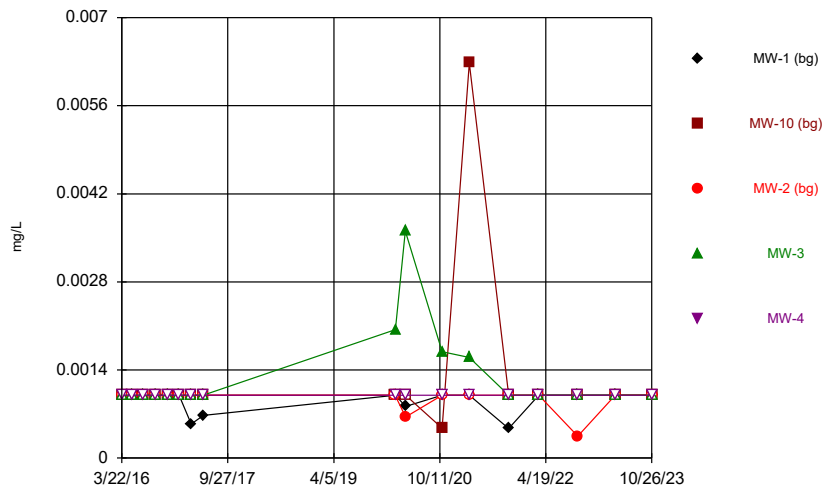
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



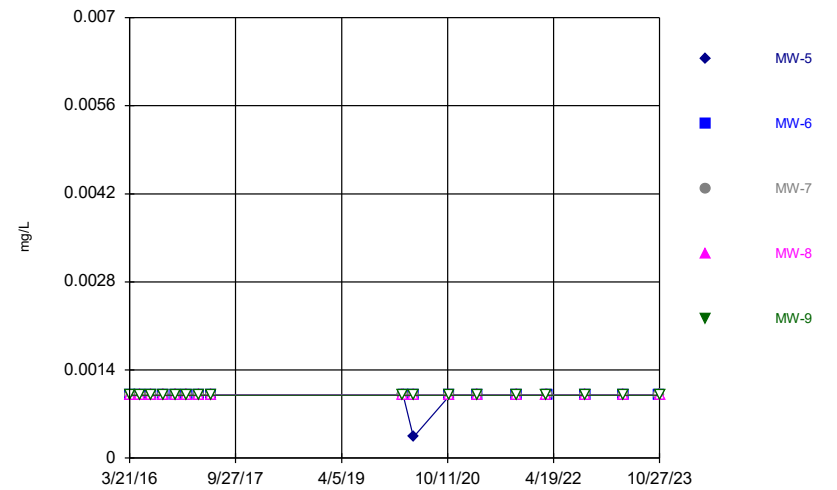
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Time Series



Constituent: Arsenic Analysis Run 12/8/2023 10:20 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

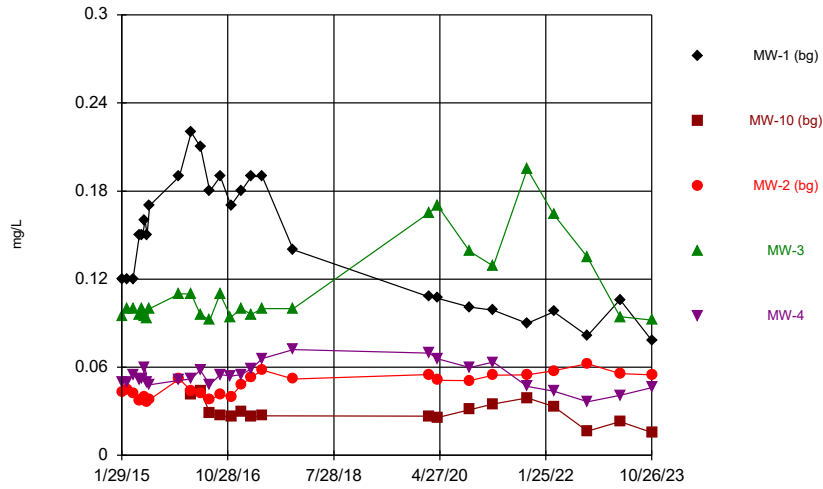
Time Series



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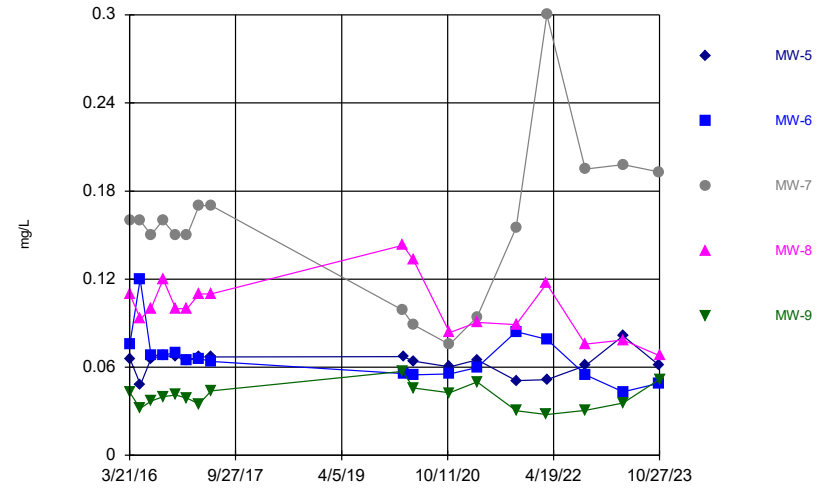


### Time Series



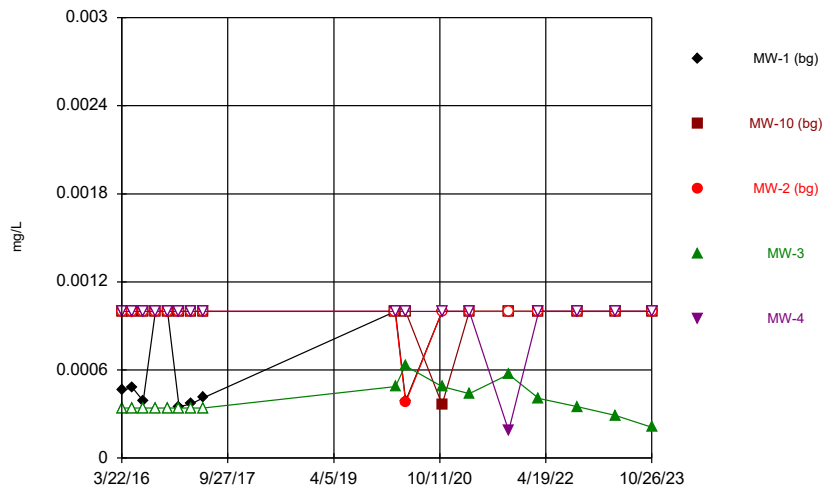
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### Time Series



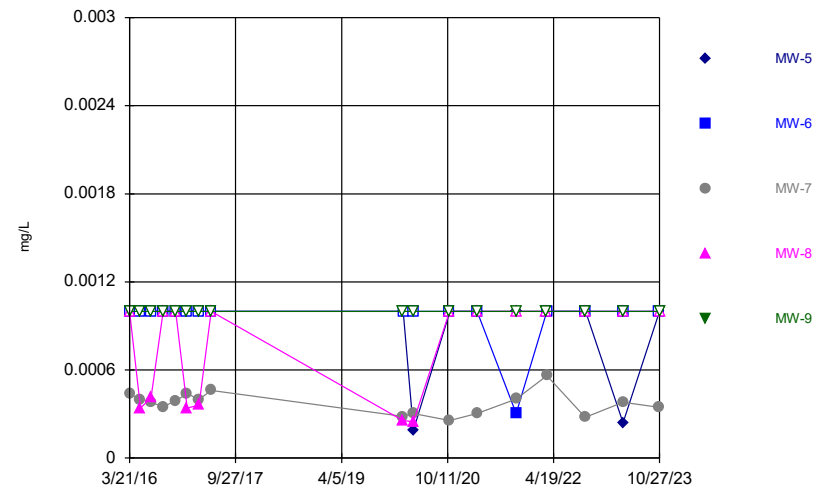
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### Time Series



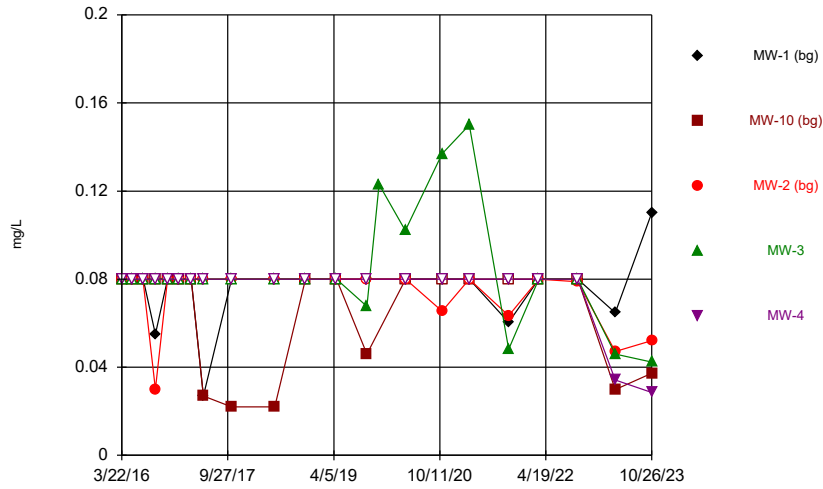
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



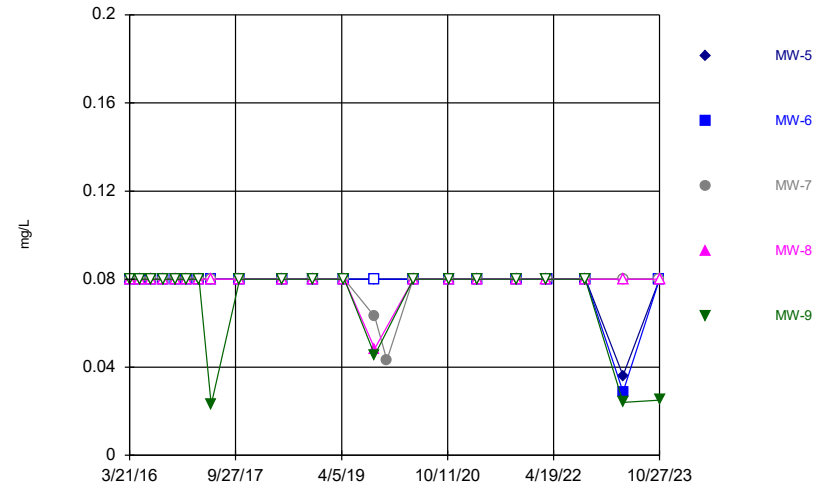
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### Time Series



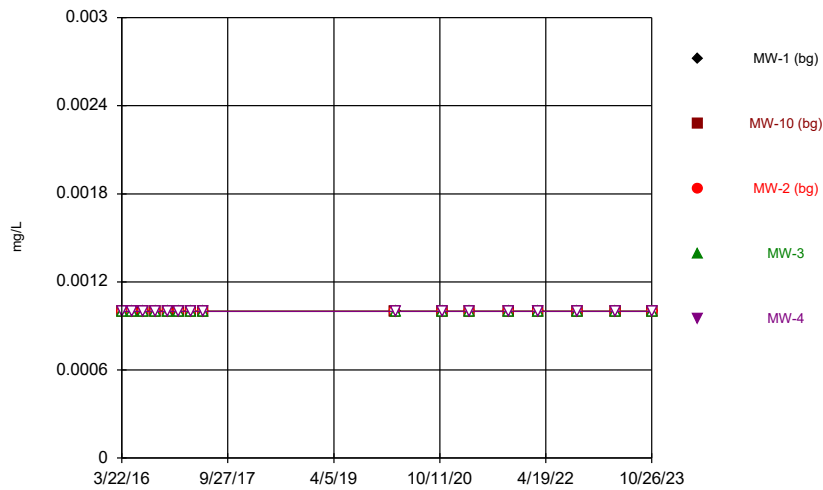
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



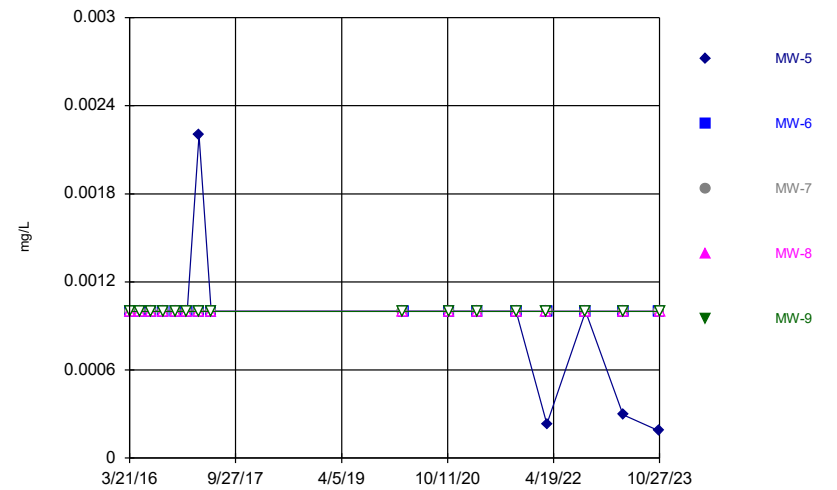
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### Time Series



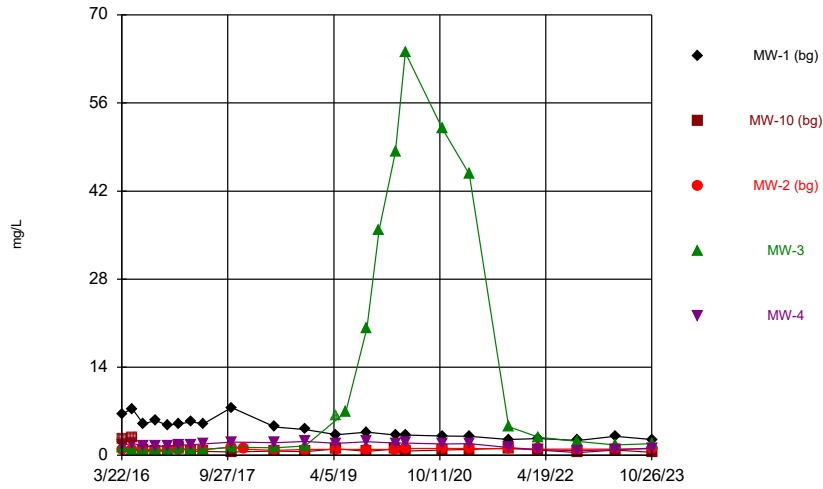
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



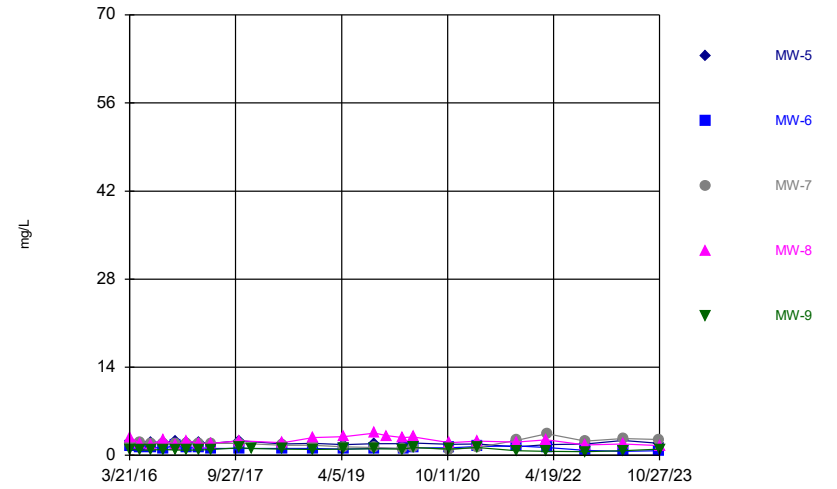
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



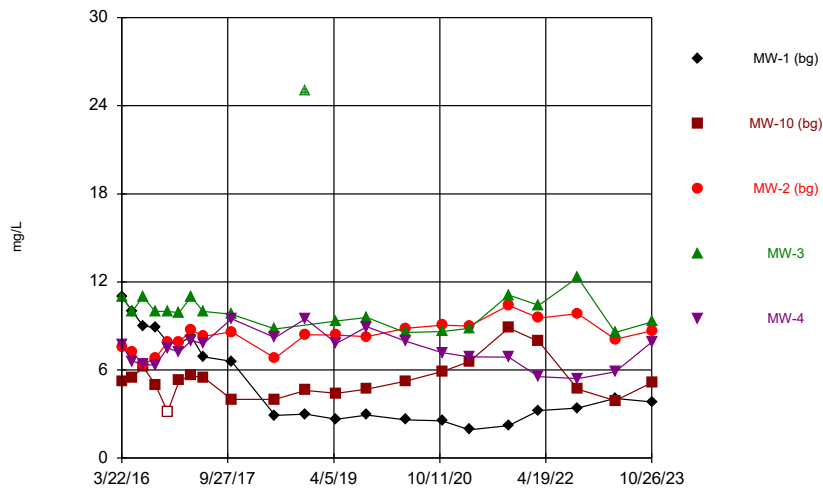
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



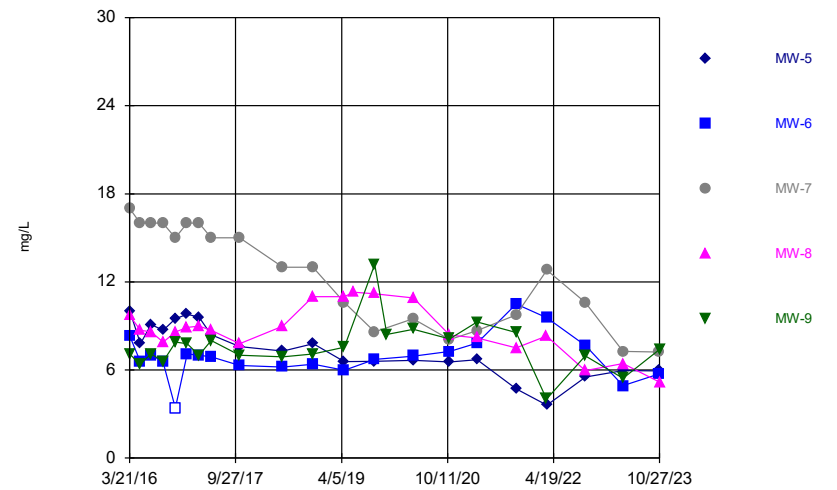
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



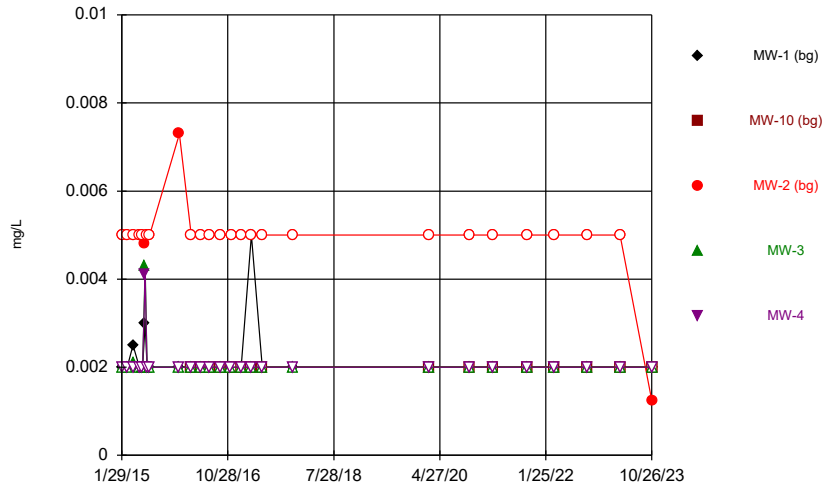
Constituent: Chloride Analysis Run 12/8/2023 10:20 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



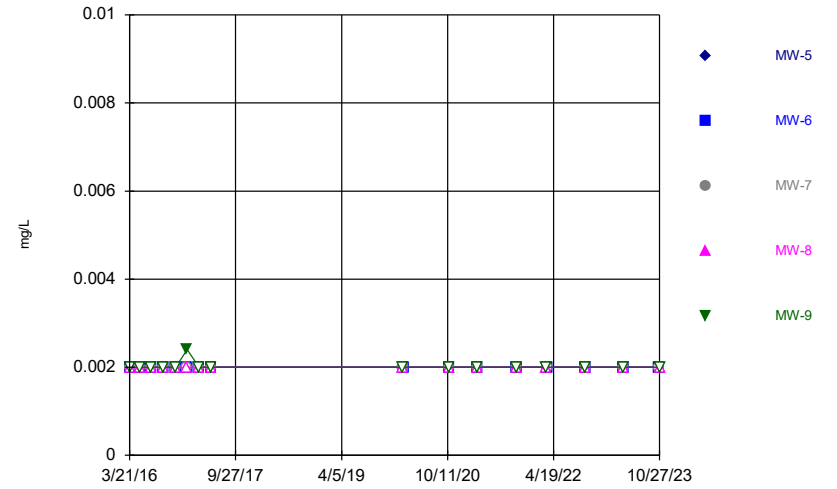
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### Time Series



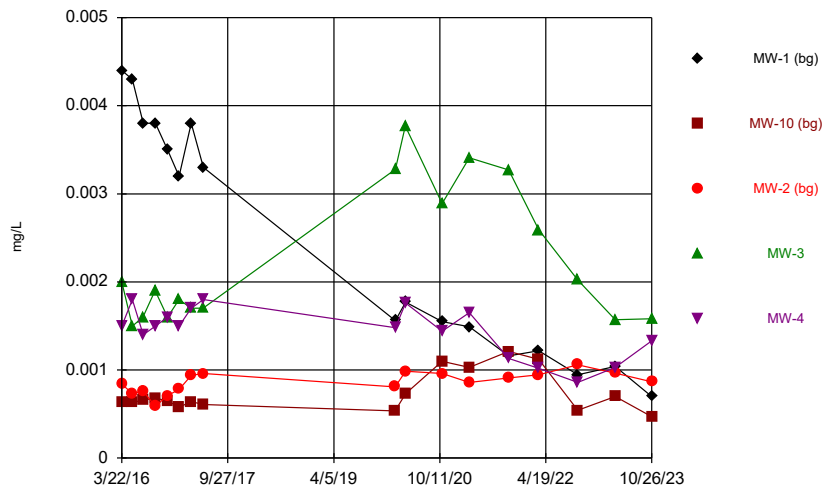
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### Time Series



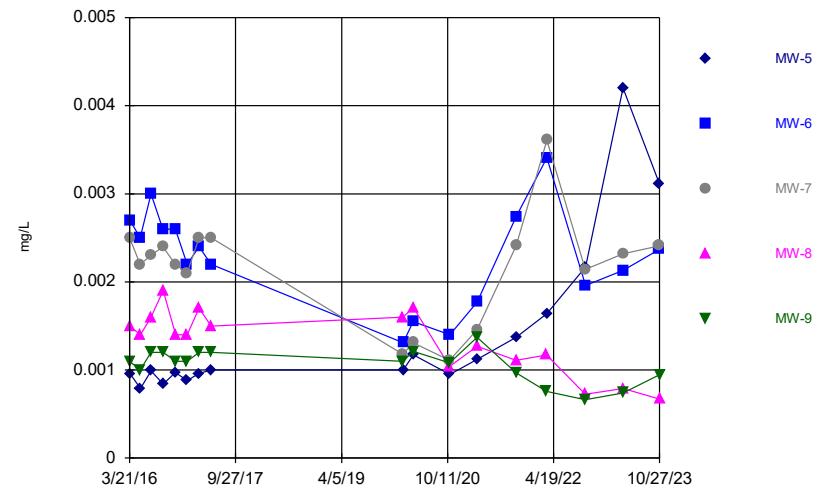
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



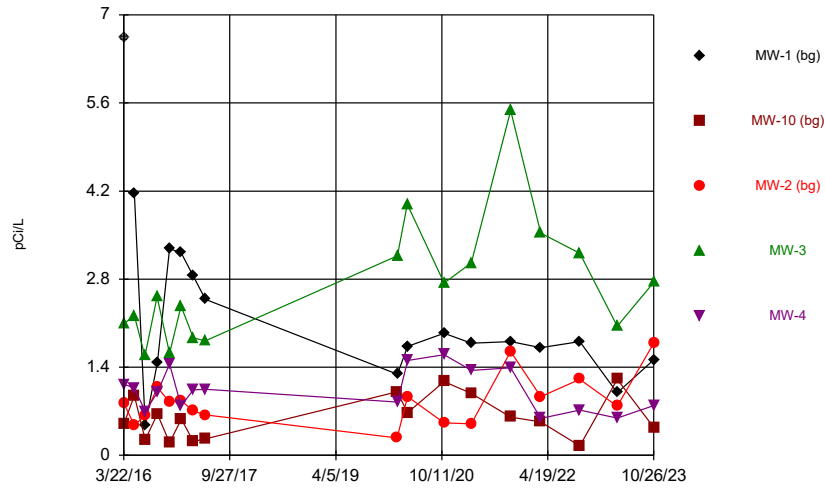
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### Time Series



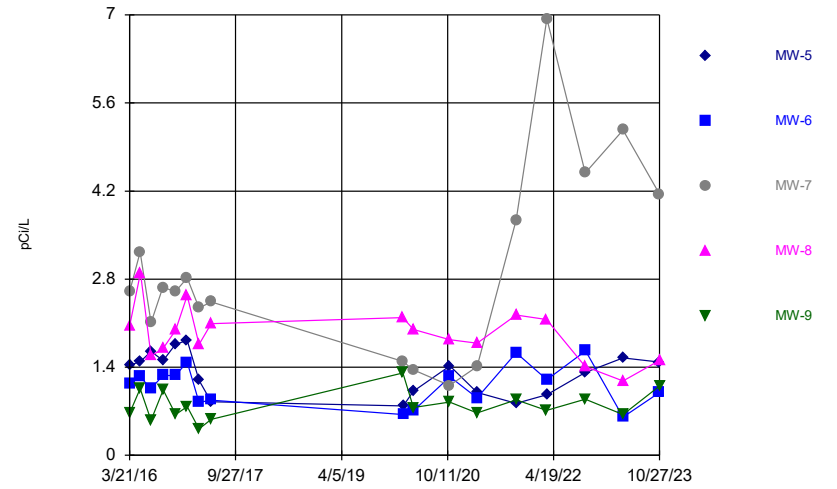
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Time Series



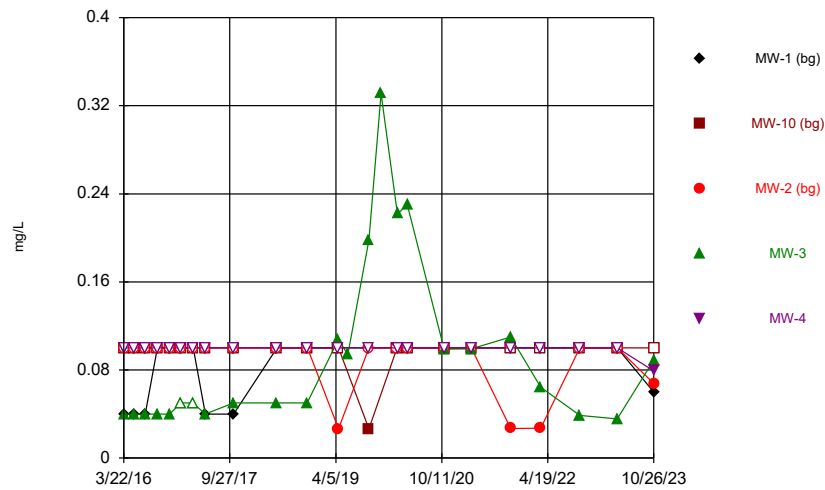
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



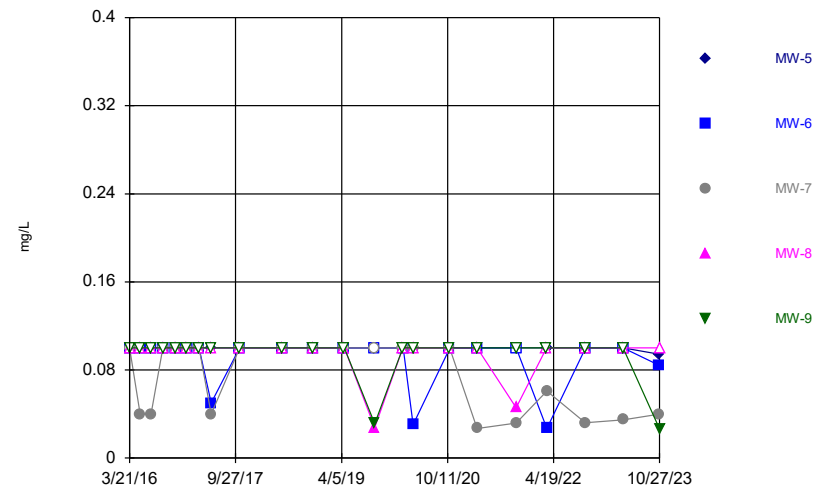
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



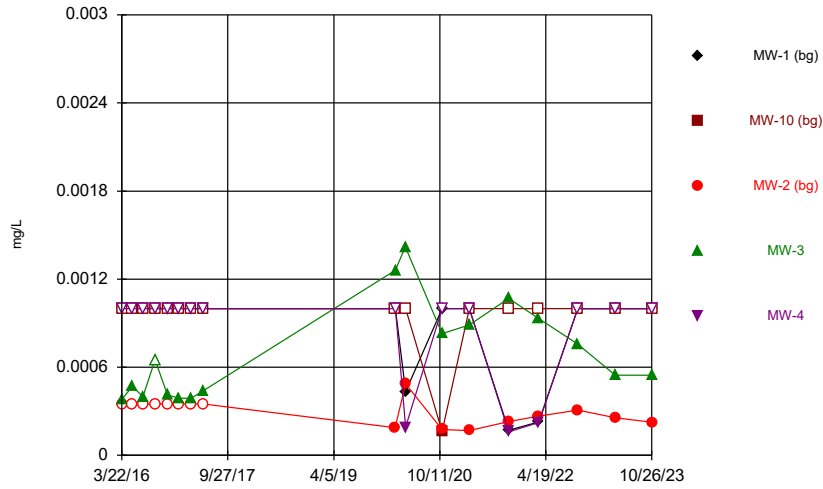
Constituent: Fluoride Analysis Run 12/8/2023 10:20 AM  
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Time Series



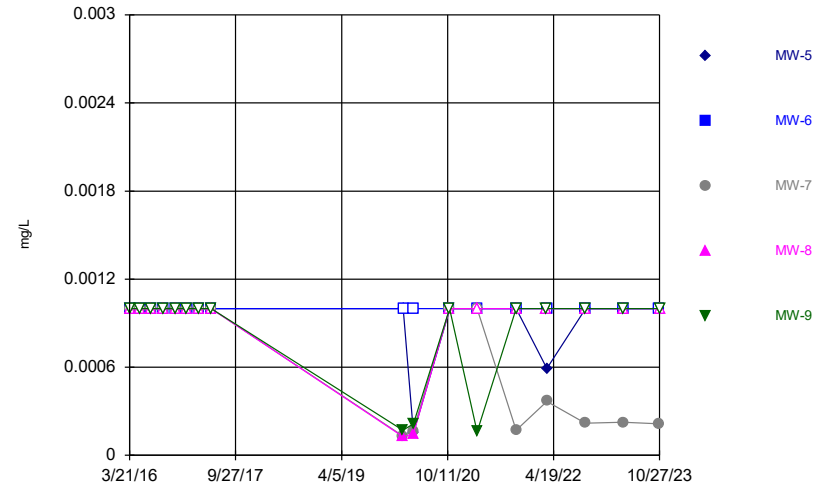
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Time Series



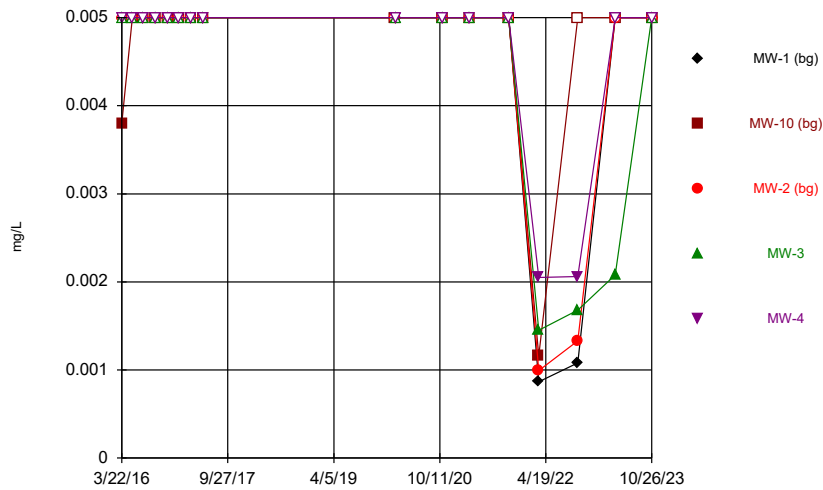
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Time Series



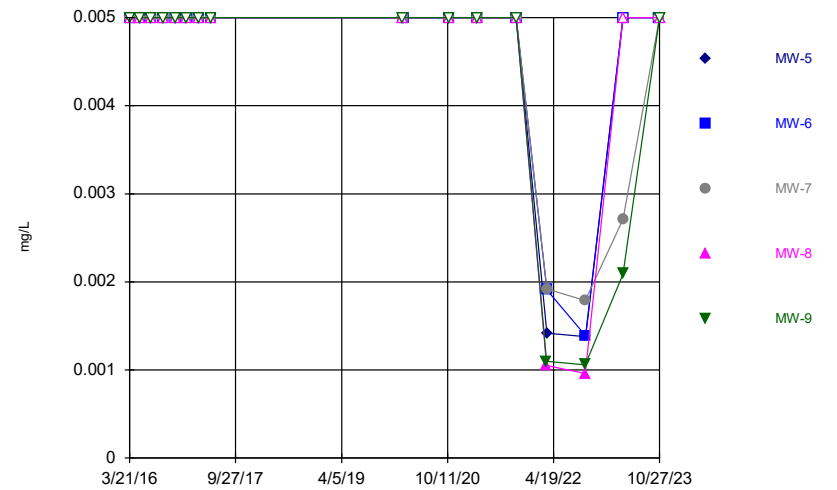
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Time Series



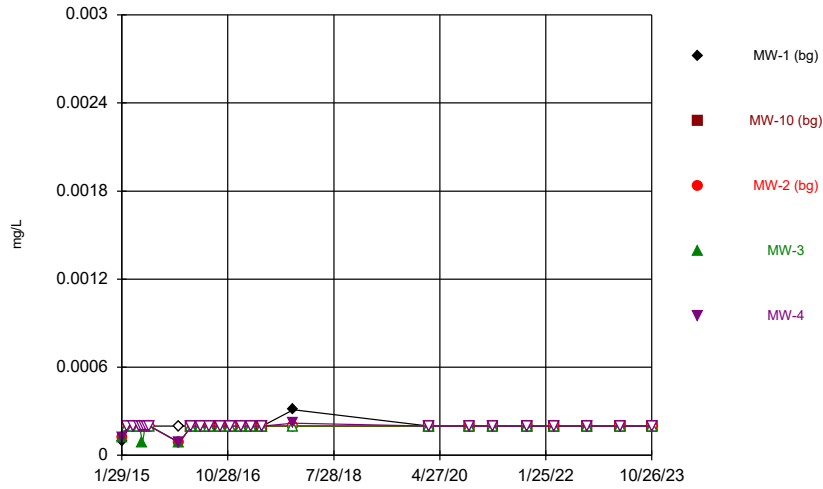
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Time Series



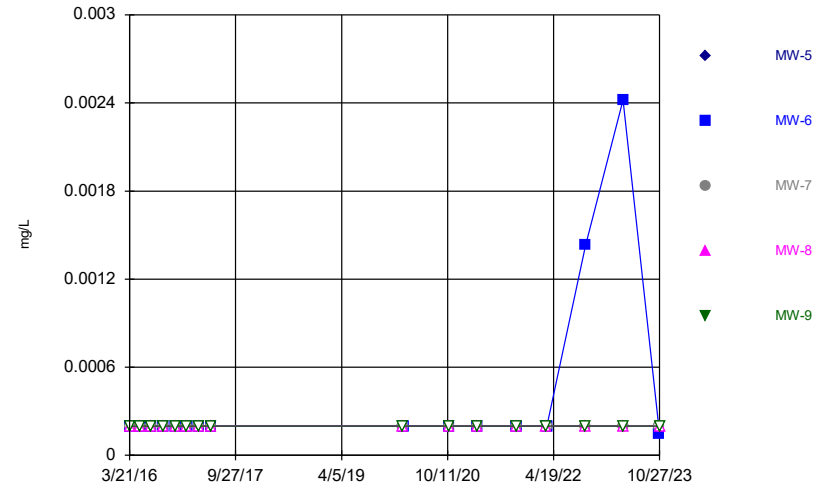
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Time Series



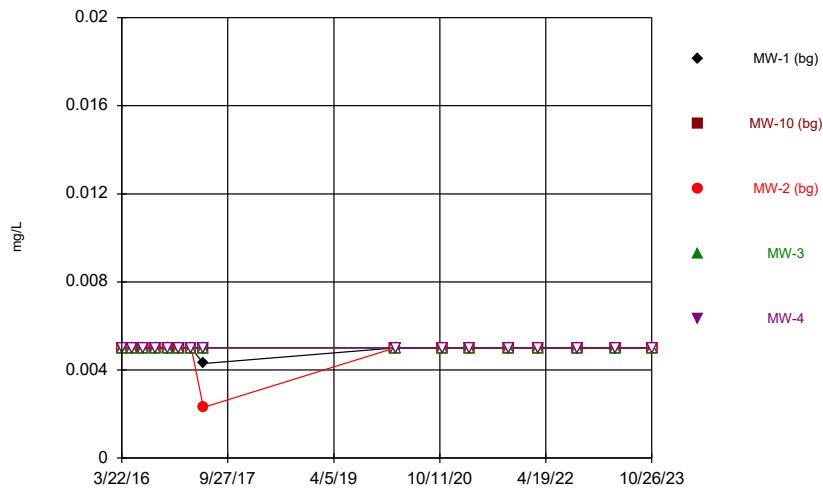
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Time Series



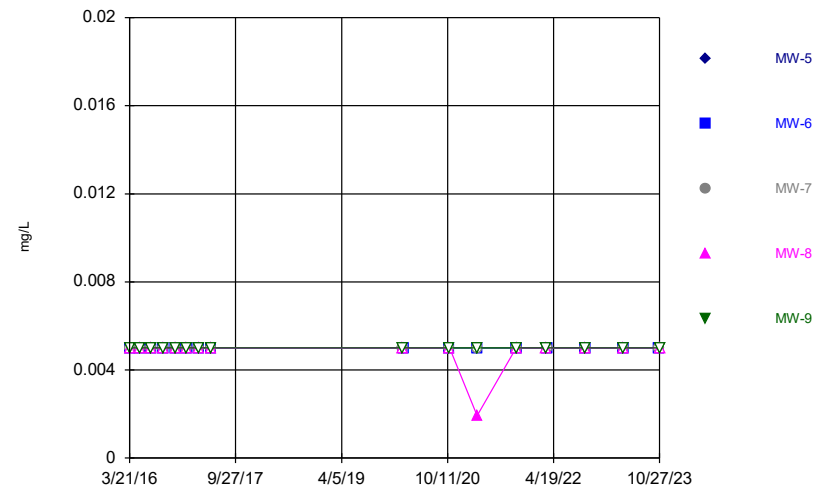
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Time Series



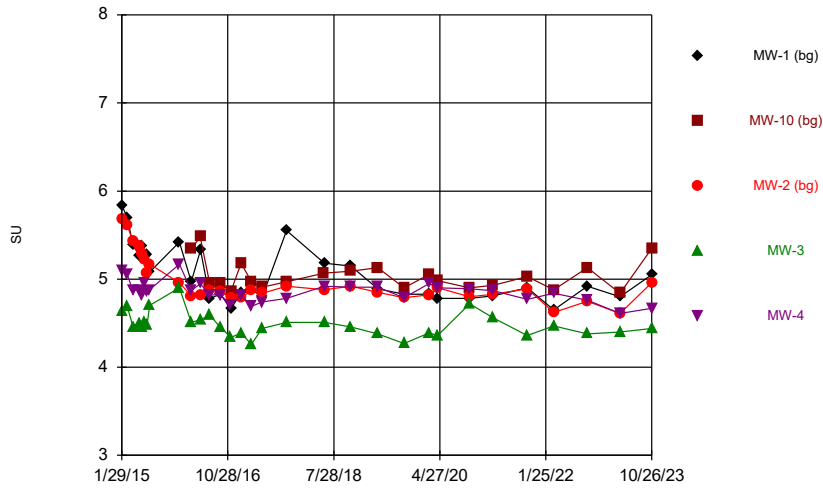
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Time Series



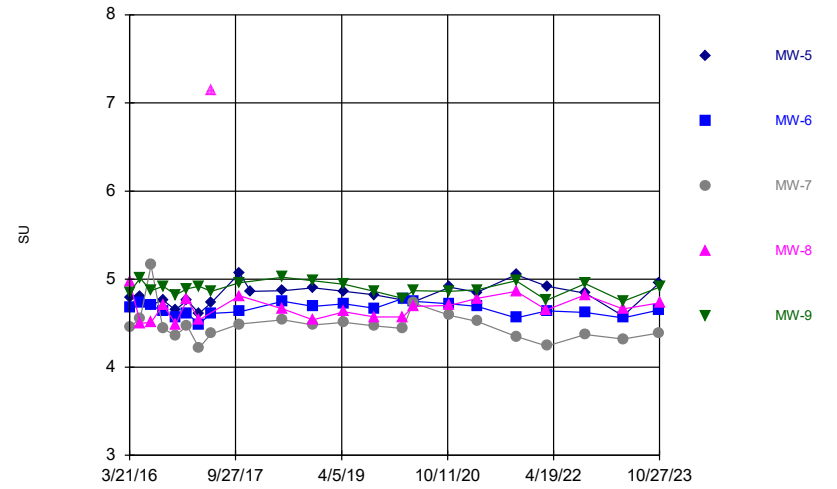
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### Time Series



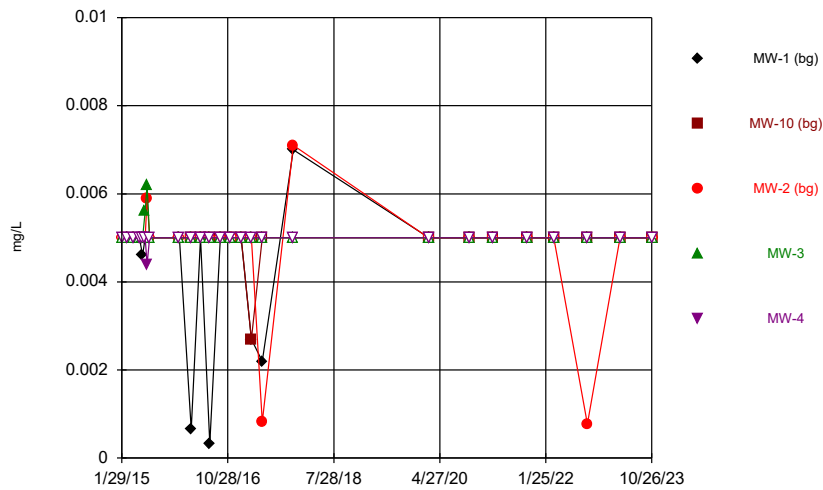
Constituent: pH Analysis Run 12/8/2023 10:21 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



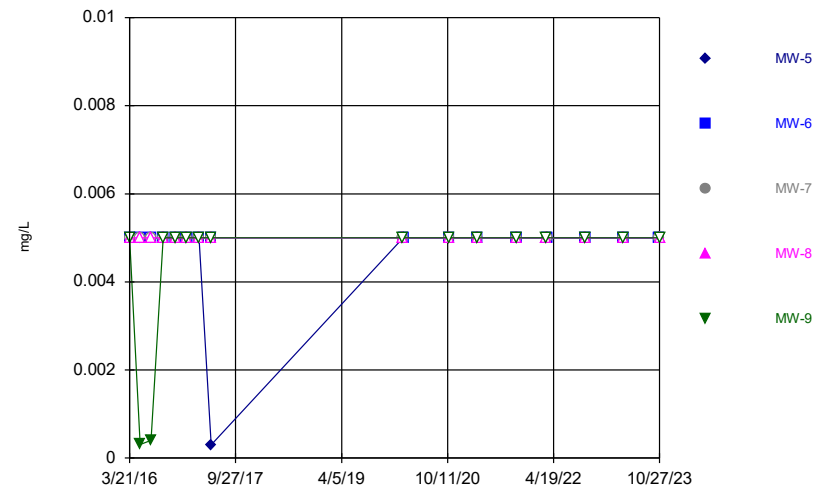
Constituent: pH Analysis Run 12/8/2023 10:21 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



Constituent: Selenium Analysis Run 12/8/2023 10:21 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

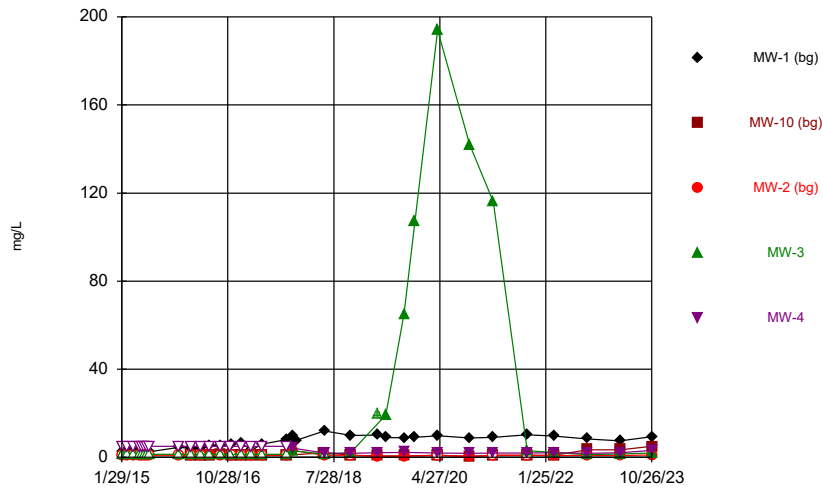
### Time Series



Constituent: Selenium Analysis Run 12/8/2023 10:21 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

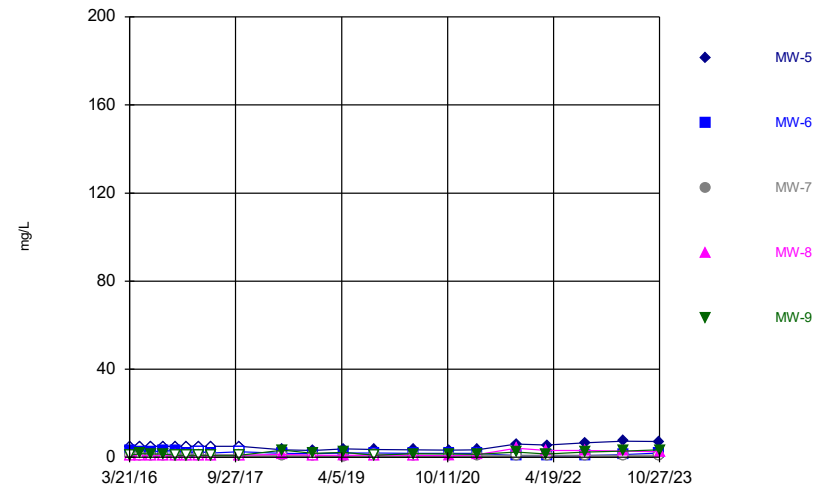


### Time Series



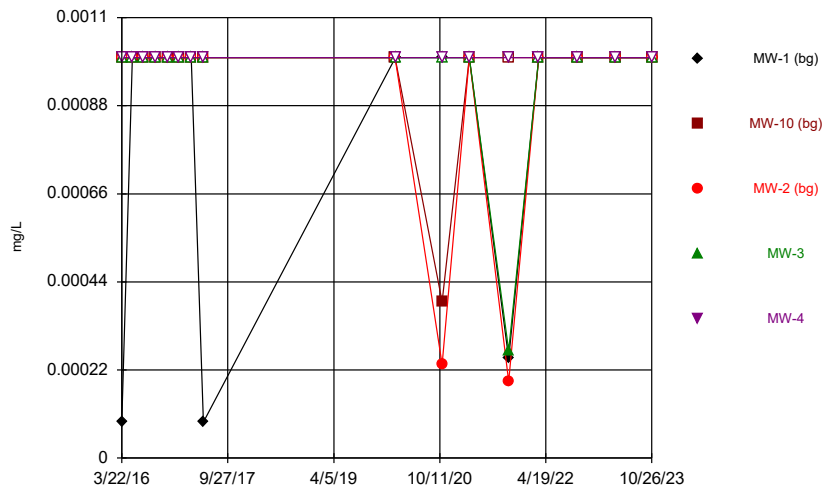
Constituent: Sulfate Analysis Run 12/8/2023 10:21 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



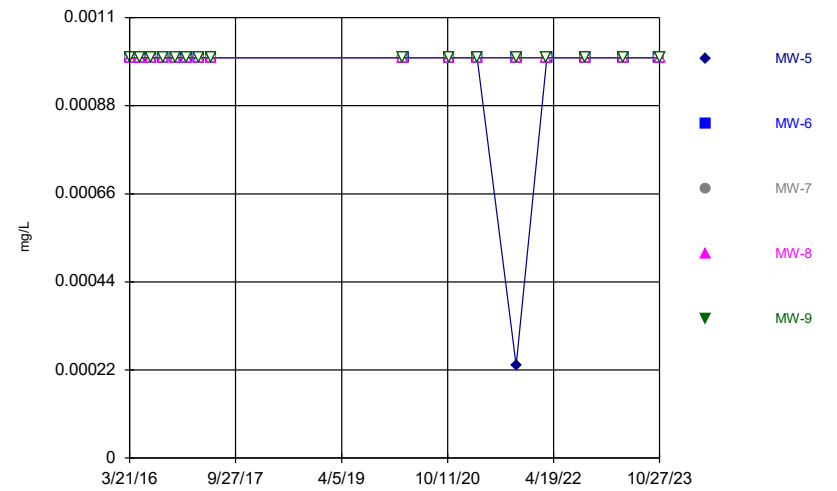
Constituent: Sulfate Analysis Run 12/8/2023 10:21 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



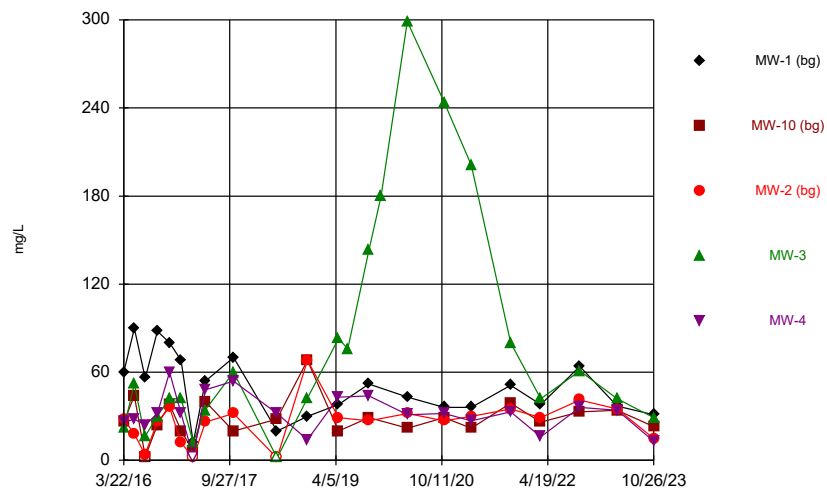
Constituent: Thallium Analysis Run 12/8/2023 10:21 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



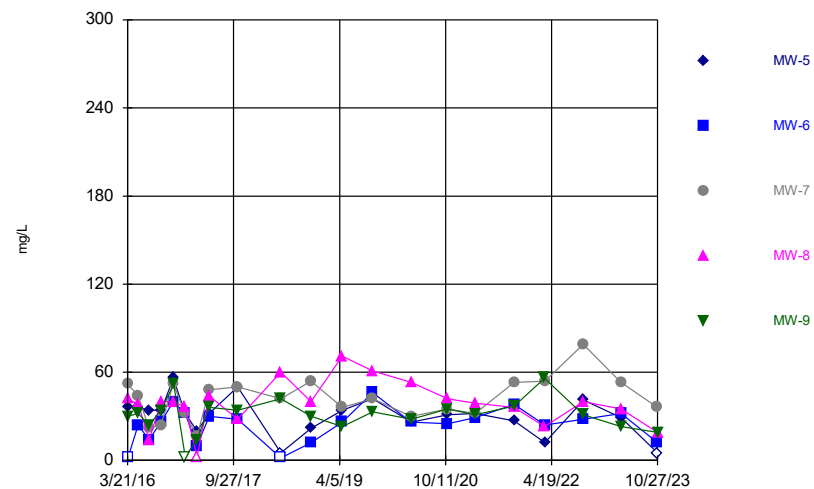
Constituent: Thallium Analysis Run 12/8/2023 10:21 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



Constituent: Total Dissolved Solids Analysis Run 12/8/2023 10:21 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Time Series



Constituent: Total Dissolved Solids Analysis Run 12/8/2023 10:21 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

# Time Series

Constituent: Antimony (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.002	0.0011 (J)	<0.002	<0.002	<0.002
5/16/2016		<0.002	<0.002	<0.002	<0.002
5/17/2016	<0.002				
7/11/2016			<0.002	<0.002	
7/12/2016	<0.002	<0.002			<0.002
9/12/2016				<0.002	
9/13/2016	<0.002	<0.002	<0.002		<0.002
11/16/2016				<0.002	<0.002
11/17/2016	<0.002	<0.002	<0.002		
1/16/2017	<0.002		<0.002	<0.002	<0.002
1/17/2017		<0.002			
3/20/2017	<0.002	<0.002	<0.002	<0.002	<0.002
5/22/2017				<0.002	
5/23/2017	<0.002	<0.002	<0.002		<0.002
2/21/2020		<0.002	<0.002		
2/22/2020	<0.002			<0.002	<0.002
10/23/2020	<0.002	<0.002	<0.002	<0.002	<0.002
3/15/2021	<0.002	<0.002	<0.002	<0.002	<0.002
10/6/2021	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2022	<0.002	<0.002	<0.002	<0.002	<0.002
10/3/2022	0.00063 (J)	<0.002	0.000699 (J)	<0.002	
10/4/2022					0.000671 (J)
4/17/2023				<0.002	<0.002
4/18/2023	<0.002	<0.002	<0.002		
10/26/2023	<0.002	<0.002	<0.002	<0.002	<0.002

# Time Series

Constituent: Antimony (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.002	<0.002	<0.002
3/22/2016	<0.002	<0.002			
5/16/2016		<0.002	<0.002		<0.002
5/17/2016	<0.002			<0.002	
7/11/2016		<0.002	<0.002	<0.002	<0.002
7/12/2016	<0.002				
9/12/2016		<0.002	<0.002		
9/13/2016	<0.002			<0.002	<0.002
11/16/2016	<0.002	<0.002	<0.002		
11/17/2016				<0.002	<0.002
1/16/2017	<0.002	<0.002	<0.002		
1/17/2017				<0.002	<0.002
3/20/2017	<0.002	<0.002	<0.002	<0.002	<0.002
5/22/2017		<0.002	<0.002		
5/23/2017	<0.002			<0.002	<0.002
2/21/2020			<0.002	<0.002	<0.002
2/22/2020	<0.002	<0.002			
10/22/2020			<0.002	<0.002	<0.002
10/23/2020	<0.002	<0.002			
3/15/2021	<0.002	<0.002	<0.002	<0.002	<0.002
10/6/2021	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2022				<0.002	<0.002
3/15/2022	<0.002	<0.002	<0.002		
10/3/2022			<0.002	<0.002	<0.002
10/4/2022	<0.002	<0.002			
4/18/2023	<0.002	<0.002	<0.002	<0.002	<0.002
10/26/2023	<0.002	<0.002	<0.002		
10/27/2023				<0.002	<0.002

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.001	<0.001	<0.001	<0.001	<0.001
5/16/2016		<0.001	<0.001	<0.001	<0.001
5/17/2016	<0.001				
7/11/2016			<0.001	<0.001	
7/12/2016	<0.001	<0.001			<0.001
9/12/2016				<0.001	
9/13/2016	<0.001	<0.001	<0.001		<0.001
11/16/2016				<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001		
1/16/2017	<0.001		<0.001 (*)	<0.001 (*)	<0.001
1/17/2017		<0.001			
3/20/2017	0.00054 (J)	<0.001	<0.001	<0.001	<0.001
5/22/2017				<0.001	
5/23/2017	0.00068 (J)	<0.001	<0.001		<0.001
2/21/2020		<0.001	<0.001		
2/22/2020	<0.001			0.00204	<0.001
4/14/2020				0.00361	
4/15/2020	0.000821 (J)	<0.001	0.000655 (J)		<0.001
10/23/2020	<0.001	0.000477 (J)	<0.001	0.00169	<0.001
3/15/2021	<0.001	0.00628	<0.001	0.0016	<0.001
10/6/2021	0.000469 (J)	<0.001	<0.001	<0.001	<0.001
3/14/2022	<0.001	<0.001	<0.001	<0.001	<0.001
10/3/2022	<0.001	<0.001	0.000349 (J)	<0.001	
10/4/2022					<0.001
4/17/2023				<0.001	<0.001
4/18/2023	<0.001	<0.001	<0.001		
10/26/2023	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001			
5/16/2016		<0.001	<0.001		<0.001
5/17/2016	<0.001			<0.001	
7/11/2016		<0.001	<0.001	<0.001	<0.001
7/12/2016	<0.001				
9/12/2016		<0.001	<0.001		
9/13/2016	<0.001			<0.001	<0.001
11/16/2016	<0.001	<0.001	<0.001		
11/17/2016				<0.001	<0.001
1/16/2017	<0.001	<0.001	<0.001		
1/17/2017				<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017		<0.001	<0.001		
5/23/2017	<0.001			<0.001	<0.001
2/21/2020			<0.001	<0.001	<0.001
2/22/2020	<0.001	<0.001			
4/14/2020		<0.001	<0.001		
4/15/2020	0.000332 (J)			<0.001	<0.001
10/22/2020			<0.001	<0.001	<0.001
10/23/2020	<0.001	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001
10/6/2021	<0.001	<0.001	<0.001	<0.001	<0.001
3/14/2022				<0.001	<0.001
3/15/2022	<0.001	<0.001	<0.001		
10/3/2022			<0.001	<0.001	<0.001
10/4/2022	<0.001	<0.001			
4/18/2023	<0.001	<0.001	<0.001	<0.001	<0.001
10/26/2023	<0.001	<0.001	<0.001		
10/27/2023				<0.001	<0.001

# Time Series

Constituent: Barium (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	0.12		0.043	0.095	0.05
3/3/2015	0.12		0.045	0.1	0.05
4/7/2015	0.12		0.042	0.1	0.055
5/14/2015	0.15		0.037	0.096	0.051
6/3/2015	0.15		0.038	0.1	0.052
6/18/2015	0.16		0.04	0.095	0.06
6/30/2015	0.15		0.036	0.093	0.05
7/15/2015	0.17		0.038	0.1	0.048
1/11/2016	0.19		0.052	0.11	0.051
3/22/2016	0.22	0.041	0.044	0.11	0.052
5/16/2016		0.044	0.042	0.096	0.058
5/17/2016	0.21				
7/11/2016			0.038	0.092	
7/12/2016	0.18	0.029			0.048
9/12/2016				0.11	
9/13/2016	0.19	0.027	0.041		0.055
11/16/2016				0.094	0.054
11/17/2016	0.17	0.026	0.04		
1/16/2017	0.18		0.048	0.1	0.055
1/17/2017		0.03			
3/20/2017	0.19	0.026	0.053	0.096	0.059
5/22/2017				0.1	
5/23/2017	0.19	0.027	0.058		0.066
11/27/2017	0.14		0.052	0.1	0.072
2/21/2020		0.0267	0.055		
2/22/2020	0.108			0.165	0.0696
4/14/2020				0.17	
4/15/2020	0.107	0.0259	0.0512		0.0658
10/23/2020	0.101	0.0311	0.0508	0.139	0.0598
3/15/2021	0.0989	0.035	0.0545	0.129	0.0635
10/6/2021	0.0898	0.0392	0.0548	0.195	0.047
3/14/2022	0.0978	0.0332	0.0576	0.164	0.0436
10/3/2022	0.0815	0.0164	0.0625	0.135	
10/4/2022					0.0364
4/17/2023				0.0944	0.0408
4/18/2023	0.106	0.0229	0.0556		
10/26/2023	0.0783	0.0155	0.0547	0.092	0.0461

# Time Series

Constituent: Barium (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			0.16	0.11	0.043
3/22/2016	0.066	0.076			
5/16/2016		0.12	0.16		0.032
5/17/2016	0.048			0.093	
7/11/2016		0.068	0.15	0.1	0.037
7/12/2016	0.066				
9/12/2016		0.068	0.16		
9/13/2016	0.068			0.12	0.04
11/16/2016	0.067	0.07	0.15		
11/17/2016				0.1	0.041
1/16/2017	0.065	0.065	0.15		
1/17/2017				0.1	0.039
3/20/2017	0.067	0.066	0.17	0.11	0.035
5/22/2017		0.064	0.17		
5/23/2017	0.067			0.11	0.044
2/21/2020			0.0988	0.143	0.0572
2/22/2020	0.0673	0.0557			
4/14/2020		0.0549	0.0891		
4/15/2020	0.0641			0.133	0.0459
10/22/2020			0.0755	0.0836	0.0425
10/23/2020	0.0603	0.0554			
3/15/2021	0.065	0.0599	0.0943	0.0905	0.0499
10/6/2021	0.0508	0.0843	0.155	0.089	0.0305
3/14/2022				0.117	0.0278
3/15/2022	0.0515	0.0789	0.3		
10/3/2022			0.195	0.0757	0.0307
10/4/2022	0.0611	0.0549			
4/18/2023	0.0814	0.0432	0.198	0.0785	0.0356
10/26/2023	0.0612	0.0491	0.193		
10/27/2023				0.0679	0.0518



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/8/2023 10:27 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	0.00046 (B1J)	<0.001	<0.001	<0.00034	<0.001
5/16/2016		<0.001	<0.001	<0.00034	<0.001
5/17/2016	0.00048 (J)				
7/11/2016			<0.001	<0.00034	
7/12/2016	0.00039 (J)	<0.001			<0.001
9/12/2016				<0.00034	
9/13/2016	<0.001	<0.001	<0.001		<0.001
11/16/2016				<0.00034	<0.001
11/17/2016	<0.001	<0.001	<0.001		
1/16/2017	0.00035 (J)		<0.001	<0.00034	<0.001
1/17/2017		<0.001			
3/20/2017	0.00037 (J)	<0.001	<0.001	<0.00034	<0.001
5/22/2017				<0.00034	
5/23/2017	0.00041 (J)	<0.001	<0.001		<0.001
2/21/2020		<0.001	<0.001		
2/22/2020	<0.001			0.000486 (J)	<0.001
4/14/2020				0.000629 (J)	
4/15/2020	0.000388 (J)	<0.001	0.000378 (J)		<0.001
10/23/2020	<0.001	0.000366 (J)	<0.001	0.000486 (J)	<0.001
3/15/2021	<0.001	<0.001	<0.001	0.00044 (J)	<0.001
10/6/2021	<0.001	<0.001	<0.001	0.000569 (J)	0.000186 (J)
3/14/2022	<0.001	<0.001	<0.001	0.000406 (J)	<0.001
10/3/2022	<0.001	<0.001	<0.001	0.000349 (J)	
10/4/2022					<0.001
4/17/2023				0.00029 (J)	<0.001
4/18/2023	<0.001	<0.001	<0.001		
10/26/2023	<0.001	<0.001	<0.001	0.00021 (J)	<0.001

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			0.00044 (B1J)	<0.001	<0.001
3/22/2016	<0.001	<0.001			
5/16/2016		<0.001	0.0004 (J)		<0.001
5/17/2016	<0.001			0.00034 (J)	
7/11/2016		<0.001	0.00038 (J)	0.00041 (J)	<0.001
7/12/2016	<0.001				
9/12/2016		<0.001	0.00035 (J)		
9/13/2016	<0.001			<0.001	<0.001
11/16/2016	<0.001	<0.001	0.00039 (J)		
11/17/2016				<0.001	<0.001
1/16/2017	<0.001	<0.001	0.00044 (J)		
1/17/2017				0.00034 (J)	<0.001
3/20/2017	<0.001	<0.001	0.0004 (J)	0.00036 (J)	<0.001
5/22/2017		<0.001	0.00046 (J)		
5/23/2017	<0.001			<0.001	<0.001
2/21/2020			0.000284 (J)	0.000255 (J)	<0.001
2/22/2020	<0.001	<0.001			
4/14/2020		<0.001	0.000304 (J)		
4/15/2020	0.000191 (J)			0.000248 (J)	<0.001
10/22/2020			0.000257 (J)	<0.001	<0.001
10/23/2020	<0.001	<0.001			
3/15/2021	<0.001	<0.001	0.000303 (J)	<0.001	<0.001
10/6/2021	<0.001	0.000303 (J)	0.000403 (J)	<0.001	<0.001
3/14/2022				<0.001	<0.001
3/15/2022	<0.001	<0.001	0.000562 (J)		
10/3/2022			0.000278 (J)	<0.001	<0.001
10/4/2022	<0.001	<0.001			
4/18/2023	0.00024 (J)	<0.001	0.00038 (J)	<0.001	<0.001
10/26/2023	<0.001	<0.001	0.000345 (J)		
10/27/2023				<0.001	<0.001

# Time Series

Constituent: Boron (mg/L) Analysis Run 12/8/2023 10:27 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.08	<0.08	<0.08	<0.08	<0.08
5/16/2016		<0.08	<0.08	<0.08	<0.08
5/17/2016	<0.08				
7/11/2016			<0.08	<0.08	
7/12/2016	<0.08	<0.08			<0.08
9/12/2016				<0.08	
9/13/2016	0.055	<0.08	0.03 (J)		<0.08
11/16/2016				<0.08	<0.08
11/17/2016	<0.08	<0.08	<0.08		
1/16/2017	<0.08		<0.08	<0.08	<0.08
1/17/2017		<0.08			
3/20/2017	<0.08	<0.08	<0.08	<0.08	<0.08
5/22/2017				<0.08	
5/23/2017	0.027 (J)	0.027 (J)	<0.08		<0.08
10/17/2017				<0.08	
10/18/2017	<0.08	0.022 (J)	<0.08		<0.08
6/1/2018		0.022 (J)			
6/2/2018	<0.08		<0.08	<0.08	<0.08
11/7/2018				<0.08	
11/8/2018	<0.08	<0.08	<0.08		<0.08
4/19/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/25/2019	<0.08	0.046 (J)	<0.08	0.0677	<0.08
11/29/2019				0.123	
4/14/2020				0.102	
4/15/2020	<0.08	<0.08	<0.08		<0.08
10/23/2020	<0.08	<0.08	0.0654 (J)	0.137	<0.08
3/15/2021	<0.08	<0.08	<0.08	0.15	<0.08
10/6/2021	0.0603 (J)	<0.08	0.0634 (J)	0.0481 (J)	<0.08
3/14/2022	<0.08	<0.08	<0.08	<0.08	<0.08
10/3/2022	<0.08	<0.08	0.0788 (J)	<0.08	
10/4/2022					<0.08
4/17/2023				0.046 (J)	0.0342 (J)
4/18/2023	0.0647 (J)	0.0299 (J)	0.0472 (J)		
10/26/2023	0.11	0.0372 (J)	0.0521 (J)	0.0424 (J)	0.0285 (J)

# Time Series

Constituent: Boron (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.08	<0.08	<0.08
3/22/2016	<0.08	<0.08			
5/16/2016		<0.08	<0.08		<0.08
5/17/2016	<0.08			<0.08	
7/11/2016		<0.08	<0.08	<0.08	<0.08
7/12/2016	<0.08				
9/12/2016		<0.08	<0.08		
9/13/2016	<0.08			<0.08	<0.08
11/16/2016	<0.08	<0.08	<0.08		
11/17/2016				<0.08	<0.08
1/16/2017	<0.08	<0.08	<0.08		
1/17/2017				<0.08	<0.08
3/20/2017	<0.08	<0.08	<0.08	<0.08	<0.08
5/22/2017		<0.08	<0.08		
5/23/2017	<0.08			<0.08	0.023 (J)
10/18/2017	<0.08	<0.08	<0.08	<0.08	<0.08
6/1/2018			<0.08	<0.08	<0.08
6/2/2018	<0.08	<0.08			
11/7/2018			<0.08	<0.08	
11/8/2018	<0.08	<0.08			<0.08
4/19/2019	<0.08	<0.08	<0.08	<0.08	<0.08
9/25/2019	<0.08	<0.08	0.063	0.0484 (J)	0.0455 (J)
11/29/2019			0.0432 (J)		
4/14/2020		<0.08	<0.08		
4/15/2020	<0.08			<0.08	<0.08
10/22/2020			<0.08	<0.08	<0.08
10/23/2020	<0.08	<0.08			
3/15/2021	<0.08	<0.08	<0.08	<0.08	<0.08
10/6/2021	<0.08	<0.08	<0.08	<0.08	<0.08
3/14/2022				<0.08	<0.08
3/15/2022	<0.08	<0.08	<0.08		
10/3/2022			<0.08	<0.08	<0.08
10/4/2022	<0.08	<0.08			
4/18/2023	0.0362 (J)	0.0289 (J)	<0.08	<0.08	0.024 (J)
10/26/2023	<0.08	<0.08	<0.08		
10/27/2023				<0.08	0.0251 (J)

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.001	<0.001	<0.001	<0.001	<0.001
5/16/2016		<0.001	<0.001	<0.001	<0.001
5/17/2016	<0.001				
7/11/2016			<0.001	<0.001	
7/12/2016	<0.001	<0.001			<0.001
9/12/2016				<0.001	
9/13/2016	<0.001	<0.001	<0.001		<0.001
11/16/2016				<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001		
1/16/2017	<0.001		<0.001	<0.001	<0.001
1/17/2017		<0.001			
3/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017				<0.001	
5/23/2017	<0.001	<0.001	<0.001		<0.001
2/21/2020		<0.001	<0.001		
2/22/2020	<0.001			<0.001	<0.001
10/23/2020	<0.001	<0.001	<0.001	<0.001	<0.001
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001
10/6/2021	<0.001	<0.001	<0.001	<0.001	<0.001
3/14/2022	<0.001	<0.001	<0.001	<0.001	<0.001
10/3/2022	<0.001	<0.001	<0.001	<0.001	
10/4/2022					<0.001
4/17/2023				<0.001	<0.001
4/18/2023	<0.001	<0.001	<0.001		
10/26/2023	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001			
5/16/2016		<0.001	<0.001		<0.001
5/17/2016	<0.001			<0.001	
7/11/2016		<0.001	<0.001	<0.001	<0.001
7/12/2016	<0.001				
9/12/2016		<0.001	<0.001		
9/13/2016	<0.001			<0.001	<0.001
11/16/2016	<0.001	<0.001	<0.001		
11/17/2016				<0.001	<0.001
1/16/2017	<0.001	<0.001	<0.001		
1/17/2017				<0.001	<0.001
3/20/2017	0.0022 (J)	<0.001	<0.001	<0.001	<0.001
5/22/2017		<0.001	<0.001		
5/23/2017	<0.001			<0.001	<0.001
2/21/2020			<0.001	<0.001	<0.001
2/22/2020	<0.001	<0.001			
10/22/2020			<0.001	<0.001	<0.001
10/23/2020	<0.001	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001
10/6/2021	<0.001	<0.001	<0.001	<0.001	<0.001
3/14/2022				<0.001	<0.001
3/15/2022	0.000233 (J)	<0.001	<0.001	<0.001	<0.001
10/3/2022			<0.001	<0.001	<0.001
10/4/2022	<0.001	<0.001			
4/18/2023	0.000295 (J)	<0.001	<0.001	<0.001	<0.001
10/26/2023	0.000185 (J)	<0.001	<0.001		
10/27/2023				<0.001	<0.001

# Time Series

Constituent: Calcium (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	6.6	2.7 (o)	0.87	1.2	1.6
5/16/2016		2.9 (o)	0.79	0.92	1.9
5/17/2016	7.4				
7/11/2016			0.67	0.78	
7/12/2016	5	0.89			1.5
9/12/2016				0.94	
9/13/2016	5.5	0.74	0.62		1.4
11/16/2016				0.81	1.5
11/17/2016	4.8	0.69	0.78		
1/16/2017	5		0.85	1	1.6
1/17/2017		1.2			
3/20/2017	5.3	0.66	0.96	0.92	1.7
5/22/2017				0.91	
5/23/2017	5	0.61	0.94		1.8
10/17/2017				1.3	
10/18/2017	7.6	0.55	1.3		2.1
12/19/2017			1 (RS)		
6/1/2018		0.7			
6/2/2018	4.5		0.81	1.2	2
11/7/2018				1.5	
11/8/2018	4.1	0.59	0.95		2.2
4/19/2019	3.26	1.03	0.942	6.3 (o)	1.88
6/7/2019				6.91	
9/25/2019	3.68	0.625	0.935	20.2	2.18
11/29/2019				35.8	
2/21/2020		1.01	0.931		
2/22/2020	3.21			48.2	1.94
4/14/2020				64	
4/15/2020	3.25	0.69	1.1		1.96
10/23/2020	3.06	0.856	1.11	52	1.82
3/15/2021	3.04	0.935	1.11	44.7	1.84
10/6/2021	2.49	1.16	1.04	4.54	1.22
3/14/2022	2.65	0.857	0.982	2.87	0.873
10/3/2022	2.37	0.415 (J)	0.969	2.19	
10/4/2022					0.755
4/17/2023				1.66	0.894
4/18/2023	3.03	0.853	0.98		
10/26/2023	2.49	0.491 (J)	1.02	1.84	1.13

# Time Series

Constituent: Calcium (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			1.9	2.9	0.94
3/22/2016	2.1	1.4			
5/16/2016		1.3	2		0.85
5/17/2016	1.6			1.8	
7/11/2016		1.3	1.9	1.7	0.82
7/12/2016	2.1				
9/12/2016		1.1	1.8		
9/13/2016	2			2.5	0.94
11/16/2016	2.3	1.6	1.8		
11/17/2016				1.6	0.85
1/16/2017	2	1.2	1.8		
1/17/2017				2.3	0.83
3/20/2017	2.1	1.2	1.9	1.9	0.84
5/22/2017		1.1	1.9		
5/23/2017	1.9			1.9	0.96
10/18/2017	2.3	1.1	1.9	2.3	1.2
12/19/2017					1.1 (RS)
6/1/2018			1.6	2	0.98
6/2/2018	1.8	1.1			
11/7/2018			1.6	2.8	
11/8/2018	1.9	1.1			0.93
4/19/2019	1.7	0.998	1.34	2.99	1
9/25/2019	1.85	1.09	1.25	3.51	1.06
11/29/2019				3.1	
2/21/2020			1.07	2.83	0.966
2/22/2020	1.87	1.09			
4/14/2020		1.2	1.23		
4/15/2020	1.97			2.94	1.22
10/22/2020			0.93	2.01	0.988
10/23/2020	1.75	1.17			
3/15/2021	1.79	1.4	1.23	2.26	1.26
10/6/2021	1.34	1.5	2.38	2.11	0.748
3/14/2022				2.46	0.609
3/15/2022	1.7	1.22	3.45		
10/3/2022			2.28	1.66	0.581
10/4/2022	1.78	0.804			
4/18/2023	2.34	0.649	2.68	1.81	0.757
10/26/2023	1.91	0.754	2.53		
10/27/2023				1.55	0.965



# Time Series

Constituent: Chloride (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	11	5.2	7.6	11	7.7
5/16/2016		5.5	7.2	10	6.6
5/17/2016	10				
7/11/2016			6.4	11	
7/12/2016	9	6.2			6.4
9/12/2016				10	
9/13/2016	8.9	5	6.8		6.3
11/16/2016				10	7.5
11/17/2016	7.9	<6.3	7.9		
1/16/2017	7.8		7.9	9.9	7.2
1/17/2017		5.3			
3/20/2017	8.3	5.6	8.7	11	8
5/22/2017				10	
5/23/2017	6.9	5.5	8.3		7.8
10/17/2017				9.8	
10/18/2017	6.6	4	8.6		9.5
6/1/2018		4			
6/2/2018	2.9		6.8	8.8	8.2
11/7/2018				25 (o)	
11/8/2018	3	4.6	8.4		9.5
4/19/2019	2.65	4.41	8.38	9.34	7.82
9/25/2019	2.93	4.69	8.26	9.57	8.94
4/14/2020				8.55	
4/15/2020	2.61	5.24	8.84		7.96
10/23/2020	2.53	5.9	9.06	8.62	7.18
3/15/2021	1.93	6.57	8.99	8.83	6.9
10/6/2021	2.22	8.86	10.4	11.1	6.88
3/14/2022	3.24	7.95	9.54	10.4	5.55
10/3/2022	3.41	4.7	9.85	12.3	
10/4/2022					5.41
4/17/2023				8.55	5.87
4/18/2023	4.07	3.91	8.09		
10/26/2023	3.82	5.14	8.66	9.28	7.91

# Time Series

Constituent: Chloride (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			17	9.7	7.1
3/22/2016	10	8.3			
5/16/2016		6.6	16		6.4
5/17/2016	7.8			8.7	
7/11/2016		7	16	8.6	7.1
7/12/2016	9.1				
9/12/2016		6.6	16		
9/13/2016	8.7			7.9	6.6
11/16/2016	9.5	<6.8	15		
11/17/2016				8.6	7.9
1/16/2017	9.8	7.1	16		
1/17/2017				8.9	7.8
3/20/2017	9.6	7	16	9	7
5/22/2017		6.9	15		
5/23/2017	8.4			8.7	8
10/18/2017	7.6	6.3	15	7.8	7
6/1/2018			13	9	6.9
6/2/2018	7.3	6.2			
11/7/2018			13	11	
11/8/2018	7.8	6.4			7.1
4/19/2019	6.57	5.99	10.6	11	7.55
6/7/2019				11.3	
9/25/2019	6.59	6.72	8.59	11.2	13.2
11/29/2019					8.42
4/14/2020		6.94	9.49		
4/15/2020	6.65			10.9	8.78
10/22/2020			8.07	8.39	8.11
10/23/2020	6.54	7.26			
3/15/2021	6.69	7.83	8.68	8.19	9.27
10/6/2021	4.72	10.5	9.75	7.5	8.56
3/14/2022				8.31	4.03
3/15/2022	3.61	9.56	12.8		
10/3/2022			10.6	5.95	6.96
10/4/2022	5.53	7.67			
4/18/2023	5.97	4.93	7.27	6.43	5.44
10/26/2023	5.94	5.75	7.22		
10/27/2023				5.18	7.39

# Time Series

Constituent: Chromium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	<0.002		<0.005	<0.002	<0.002
3/3/2015	<0.002		<0.005	<0.002	<0.002
4/7/2015	0.0025 (J)		<0.005	0.0021 (J)	<0.002
5/14/2015	<0.002		<0.005	<0.002	<0.002
6/3/2015	<0.002		<0.005	<0.002	<0.002
6/18/2015	0.003 (J)		0.0048 (J)	0.0043 (J)	0.0041 (J)
6/30/2015	<0.002		<0.005	<0.002	<0.002
7/15/2015	<0.002		<0.005	<0.002	<0.002
1/11/2016	<0.002		0.0073 (J)	<0.002	<0.002
3/22/2016	<0.002	<0.002	<0.005	<0.002	<0.002
5/16/2016		<0.002	<0.005	<0.002	<0.002
5/17/2016	<0.002				
7/11/2016			<0.005	<0.002	
7/12/2016	<0.002	<0.002			<0.002
9/12/2016				<0.002	
9/13/2016	<0.002	<0.002	<0.005		<0.002
11/16/2016				<0.002	<0.002
11/17/2016	<0.002	<0.002	<0.005		
1/16/2017	<0.002		<0.005	<0.002	<0.002
1/17/2017		<0.002			
3/20/2017	0.005	<0.002	<0.005	<0.002	<0.002
5/22/2017				<0.002	
5/23/2017	<0.002	<0.002	<0.005		<0.002
11/27/2017	<0.002		<0.005	<0.002	<0.002
2/21/2020		<0.002	<0.005		
2/22/2020	<0.002			<0.002	<0.002
10/23/2020	<0.002	<0.002	<0.005	<0.002	<0.002
3/15/2021	<0.002	<0.002	<0.005	<0.002	<0.002
10/6/2021	<0.002	<0.002	<0.005	<0.002	<0.002
3/14/2022	<0.002	<0.002	<0.005	<0.002	<0.002
10/3/2022	<0.002	<0.002	<0.005	<0.002	
10/4/2022					<0.002
4/17/2023				<0.002	<0.002
4/18/2023	<0.002	<0.002	<0.005		
10/26/2023	<0.002	<0.002	0.00125 (J)	<0.002	<0.002

# Time Series

Constituent: Chromium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.002	<0.002	<0.002
3/22/2016	<0.002	<0.002			
5/16/2016		<0.002	<0.002		<0.002
5/17/2016	<0.002			<0.002	
7/11/2016		<0.002	<0.002	<0.002	<0.002
7/12/2016	<0.002				
9/12/2016		<0.002	<0.002		
9/13/2016	<0.002			<0.002	<0.002
11/16/2016	<0.002	<0.002	<0.002		
11/17/2016				<0.002	<0.002
1/16/2017	<0.002	<0.002	<0.002		
1/17/2017				<0.002	0.0024 (J)
3/20/2017	<0.002	<0.002	<0.002	<0.002	<0.002
5/22/2017		<0.002	<0.002		
5/23/2017	<0.002			<0.002	<0.002
2/21/2020			<0.002	<0.002	<0.002
2/22/2020	<0.002	<0.002			
10/22/2020			<0.002	<0.002	<0.002
10/23/2020	<0.002	<0.002			
3/15/2021	<0.002	<0.002	<0.002	<0.002	<0.002
10/6/2021	<0.002	<0.002	<0.002	<0.002	<0.002
3/14/2022				<0.002	<0.002
3/15/2022	<0.002	<0.002	<0.002		
10/3/2022			<0.002	<0.002	<0.002
10/4/2022	<0.002	<0.002			
4/18/2023	<0.002	<0.002	<0.002	<0.002	<0.002
10/26/2023	<0.002	<0.002	<0.002		
10/27/2023				<0.002	<0.002

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	0.0044	0.00064 (B1J)	0.00084 (B1J)	0.002 (B1J)	0.0015 (B1J)
5/16/2016		0.00063 (J)	0.00073 (J)	0.0015 (J)	0.0018 (J)
5/17/2016	0.0043				
7/11/2016			0.00076 (J)	0.0016 (J)	
7/12/2016	0.0038	0.00066 (J)			0.0014 (J)
9/12/2016				0.0019 (J)	
9/13/2016	0.0038	0.00068 (J)	0.00059 (J)		0.0015 (J)
11/16/2016				0.0016 (J)	0.0016 (J)
11/17/2016	0.0035	0.00065 (J)	0.00071 (J)		
1/16/2017	0.0032		0.00078 (J)	0.0018 (J)	0.0015 (J)
1/17/2017		0.00058 (J)			
3/20/2017	0.0038	0.00064 (J)	0.00094 (J)	0.0017 (J)	0.0017 (J)
5/22/2017				0.0017 (J)	
5/23/2017	0.0033	0.00061 (J)	0.00096 (J)		0.0018 (J)
2/21/2020		0.000536 (J)	0.000809 (J)		
2/22/2020	0.00156 (J)			0.00328	0.00148 (J)
4/14/2020				0.00377	
4/15/2020	0.00177 (J)	0.000731 (J)	0.000986 (J)		0.00176 (J)
10/23/2020	0.00155	0.0011	0.000961	0.00289	0.00144
3/15/2021	0.00149	0.00103	0.000859	0.00341	0.00165
10/6/2021	0.00116	0.00121	0.000908	0.00327	0.00113
3/14/2022	0.00122	0.00112	0.000945	0.00259	0.00102
10/3/2022	0.000947	0.000543	0.00106	0.00202	
10/4/2022					0.00086
4/17/2023				0.00157	0.00103
4/18/2023	0.00104	0.0007	0.000965		
10/26/2023	0.0007	0.00047 (J)	0.000865	0.00158	0.00133

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			0.0025	0.0015 (B1J)	0.0011 (B1J)
3/22/2016	0.00096 (B1J)	0.0027			
5/16/2016		0.0025	0.0022 (J)		0.001 (J)
5/17/2016	0.00079 (J)			0.0014 (J)	
7/11/2016		0.003	0.0023 (J)	0.0016 (J)	0.0012 (J)
7/12/2016	0.00099 (J)				
9/12/2016		0.0026	0.0024 (J)		
9/13/2016	0.00084 (J)			0.0019 (J)	0.0012 (J)
11/16/2016	0.00097 (J)	0.0026	0.0022 (J)		
11/17/2016				0.0014 (J)	0.0011 (J)
1/16/2017	0.00088 (J)	0.0022 (J)	0.0021 (J)		
1/17/2017				0.0014 (J)	0.0011 (J)
3/20/2017	0.00096 (J)	0.0024 (J)	0.0025	0.0017 (J)	0.0012 (J)
5/22/2017		0.0022 (J)	0.0025		
5/23/2017	0.001 (J)			0.0015 (J)	0.0012 (J)
2/21/2020			0.00118 (J)	0.0016 (J)	0.0011 (J)
2/22/2020	0.001 (J)	0.00131 (J)			
4/14/2020		0.00155 (J)	0.00131 (J)		
4/15/2020	0.00117 (J)			0.00171 (J)	0.00121 (J)
10/22/2020			0.00111	0.00104	0.00108
10/23/2020	0.000951	0.0014			
3/15/2021	0.00112	0.00177	0.00146	0.00127	0.00137
10/6/2021	0.00137	0.00274	0.00241	0.00111	0.000969
3/14/2022				0.00117	0.000757
3/15/2022	0.00164	0.00341	0.00361		
10/3/2022			0.00214	0.000726	0.000661
10/4/2022	0.00217	0.00196			
4/18/2023	0.0042	0.00213	0.00232	0.00079	0.00074
10/26/2023	0.00311	0.00237	0.00241		
10/27/2023				0.00067	0.000945

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	6.64 (o)	0.498	0.828	2.09	1.13
5/16/2016		0.949	0.481	2.22	1.07
5/17/2016	4.16				
7/11/2016			0.629	1.58	
7/12/2016	0.478 (U)	0.248 (U)			0.701
9/12/2016				2.52	
9/13/2016	1.47	0.66	1.08		1
11/16/2016				1.62	1.45
11/17/2016	3.28	0.199 (U)	0.848		
1/16/2017	3.22		0.874	2.37	0.786
1/17/2017		0.575			
3/20/2017	2.85	0.221 (U)	0.704	1.87	1.04
5/22/2017				1.82	
5/23/2017	2.48	0.264 (U)	0.643		1.05
2/21/2020		1.01	0.278 (U)		
2/22/2020	1.29			3.17	0.845
4/14/2020				3.99	
4/15/2020	1.73	0.677	0.933		1.51
10/23/2020	1.94	1.17	0.517	2.74	1.6
3/15/2021	1.78	0.982	0.499	3.06	1.35
10/6/2021	1.81	0.606	1.65	5.48	1.39
3/14/2022	1.71	0.531	0.932	3.53	0.585
10/3/2022	1.81	0.151 (U)	1.21	3.21	
10/4/2022					0.719
4/17/2023				2.05	0.593
4/18/2023	0.996	1.21	0.782		
10/26/2023	1.52	0.444 (U)	1.78	2.75	0.793

# Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			2.6	2.05	0.666
3/22/2016	1.43	1.15			
5/16/2016		1.25	3.23		1.06
5/17/2016	1.49			2.9	
7/11/2016		1.06	2.11	1.58	0.558 (U)
7/12/2016	1.65				
9/12/2016		1.27	2.67		
9/13/2016	1.51			1.7	1.04
11/16/2016	1.76	1.27	2.6		
11/17/2016				1.99	0.646
1/16/2017	1.83	1.48	2.82		
1/17/2017				2.54	0.777
3/20/2017	1.19	0.843	2.34	1.76	0.42
5/22/2017		0.878	2.44		
5/23/2017	0.851			2.09	0.574
2/21/2020			1.49	2.19	1.31
2/22/2020	0.786	0.649			
4/14/2020		0.702	1.36		
4/15/2020	1.02			2	0.76
10/22/2020			1.11	1.84	0.847
10/23/2020	1.42	1.25			
3/15/2021	1	0.911	1.41	1.78	0.674
10/6/2021	0.826	1.63	3.74	2.23	0.883
3/14/2022				2.16	0.715
3/15/2022	0.961	1.2	6.94		
10/3/2022			4.49	1.41	0.893
10/4/2022	1.32	1.66			
4/18/2023	1.55	0.606	5.17	1.18	0.65
10/26/2023	1.48	1	4.15		
10/27/2023				1.51	1.1



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	0.04 (J)	<0.1	<0.1	0.04 (J)	<0.1
5/16/2016		<0.1	<0.1	0.04 (J)	<0.1
5/17/2016	0.04 (J)				
7/11/2016			<0.1	0.04 (J)	
7/12/2016	0.04 (J)	<0.1			<0.1
9/12/2016				0.04 (J)	
9/13/2016	<0.1	<0.1	<0.1		<0.1
11/16/2016				0.04 (J)	<0.1
11/17/2016	<0.1	<0.1	<0.1		
1/16/2017	<0.1		<0.1	<0.1	<0.1
1/17/2017		<0.1			
3/20/2017	<0.1	<0.1	<0.1	<0.1	<0.1
5/22/2017				0.04 (J)	
5/23/2017	0.04 (J)	<0.1	<0.1		<0.1
10/17/2017				0.05 (J)	
10/18/2017	0.04 (J)	<0.1	<0.1		<0.1
6/1/2018		<0.1			
6/2/2018	<0.1		<0.1	0.05 (J)	<0.1
11/7/2018				0.05 (J)	
11/8/2018	<0.1	<0.1	<0.1		<0.1
4/19/2019	<0.1	<0.1	0.0267 (J)	0.108	<0.1
6/7/2019				0.0937 (J)	
9/25/2019	<0.1	0.0267 (J)	<0.1	0.198	<0.1
11/29/2019				0.331	
2/21/2020		<0.1	<0.1		
2/22/2020	<0.1			0.222	<0.1
4/14/2020				0.23	
4/15/2020	<0.1	<0.1	<0.1		<0.1
10/23/2020	<0.1	<0.1	<0.1	0.0988 (J)	<0.1
3/15/2021	<0.1	<0.1	<0.1	0.0991 (J)	<0.1
10/6/2021	<0.1	<0.1	0.0269 (J)	0.11	<0.1
3/14/2022	<0.1	<0.1	0.0271 (J)	0.0643 (J)	<0.1
10/3/2022	<0.1	<0.1	<0.1	0.0388 (J)	
10/4/2022					<0.1
4/17/2023				0.0355 (J)	<0.1
4/18/2023	<0.1	<0.1	<0.1		
10/26/2023	0.0601 (J)	<0.1	0.0679 (J)	0.0891 (J)	0.0792 (J)

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.1	<0.1	<0.1
3/22/2016	<0.1	<0.1			
5/16/2016		<0.1	0.04 (J)		<0.1
5/17/2016	<0.1			<0.1	
7/11/2016		<0.1	0.04 (J)	<0.1	<0.1
7/12/2016	<0.1				
9/12/2016		<0.1	<0.1		
9/13/2016	<0.1			<0.1	<0.1
11/16/2016	<0.1	<0.1	<0.1		
11/17/2016				<0.1	<0.1
1/16/2017	<0.1	<0.1	<0.1		
1/17/2017				<0.1	<0.1
3/20/2017	<0.1	<0.1	<0.1	<0.1	<0.1
5/22/2017		0.05 (J)	0.04 (J)		
5/23/2017	<0.1			<0.1	<0.1
10/18/2017	<0.1	<0.1	<0.1	<0.1	<0.1
6/1/2018			<0.1	<0.1	<0.1
6/2/2018	<0.1	<0.1			
11/7/2018			<0.1	<0.1	
11/8/2018	<0.1	<0.1			<0.1
4/19/2019	<0.1	<0.1	<0.1	<0.1	<0.1
9/25/2019	<0.1	<0.1	<0.1	0.0277 (J)	0.0313 (J)
2/21/2020			<0.1	<0.1	<0.1
2/22/2020	<0.1	<0.1			
4/14/2020		0.0304 (J)	<0.1		
4/15/2020	<0.1			<0.1	<0.1
10/22/2020			<0.1	<0.1	<0.1
10/23/2020	<0.1	<0.1			
3/15/2021	<0.1	<0.1	0.027 (J)	<0.1	<0.1
10/6/2021	<0.1	<0.1	0.0317 (J)	0.0458 (J)	<0.1
3/14/2022				<0.1	<0.1
3/15/2022	<0.1	0.0268 (J)	0.0609 (J)		
10/3/2022			0.032 (J)	<0.1	<0.1
10/4/2022	<0.1	<0.1			
4/18/2023	<0.1	<0.1	0.0348 (J)	<0.1	<0.1
10/26/2023	0.0942 (J)	0.084 (J)	0.0398 (J)		
10/27/2023				<0.1	0.0267 (J)

# Time Series

Constituent: Lead (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.001	<0.001	<0.00035	0.00038 (B1J)	<0.001
5/16/2016		<0.001	<0.00035	0.00047 (J)	<0.001
5/17/2016	<0.001				
7/11/2016			<0.00035	0.0004 (J)	
7/12/2016	<0.001	<0.001			<0.001
9/12/2016				<0.0013	
9/13/2016	<0.001	<0.001	<0.00035		<0.001
11/16/2016				0.00041 (J)	<0.001
11/17/2016	<0.001	<0.001	<0.00035		
1/16/2017	<0.001		<0.00035	0.00039 (J)	<0.001
1/17/2017		<0.001			
3/20/2017	<0.001	<0.001	<0.00035	0.00039 (J)	<0.001
5/22/2017				0.00044 (J)	
5/23/2017	<0.001	<0.001	<0.00035		<0.001
2/21/2020		<0.001	0.000189 (J)		
2/22/2020	<0.001			0.00126	<0.001
4/14/2020				0.00142	
4/15/2020	0.000434 (J)	<0.001	0.000486 (J)		0.000192 (J)
10/23/2020	<0.001	0.000162 (J)	0.000176 (J)	0.00083 (J)	<0.001
3/15/2021	<0.001	<0.001	0.000169 (J)	0.000889 (J)	<0.001
10/6/2021	0.000171 (J)	<0.001	0.00023 (J)	0.00107	0.000161 (J)
3/14/2022	0.000227 (J)	<0.001	0.000267 (J)	0.000932 (J)	0.000224 (J)
10/3/2022	<0.001	<0.001	0.000308 (J)	0.000758 (J)	
10/4/2022					<0.001
4/17/2023				0.000545 (J)	<0.001
4/18/2023	<0.001	<0.001	0.000255 (J)		
10/26/2023	<0.001	<0.001	0.000225 (J)	0.000545 (J)	<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001			
5/16/2016		<0.001	<0.001		<0.001
5/17/2016	<0.001			<0.001	
7/11/2016		<0.001	<0.001	<0.001	<0.001
7/12/2016	<0.001				
9/12/2016		<0.001	<0.001		
9/13/2016	<0.001			<0.001	<0.001
11/16/2016	<0.001	<0.001	<0.001		
11/17/2016				<0.001	<0.001
1/16/2017	<0.001	<0.001	<0.001		
1/17/2017				<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017		<0.001	<0.001		
5/23/2017	<0.001			<0.001	<0.001
2/21/2020			0.000132 (J)	0.000128 (J)	0.00017 (J)
2/22/2020	<0.001	<0.001			
4/14/2020		<0.001	0.000165 (J)		
4/15/2020	0.000153 (J)			0.000147 (J)	0.000215 (J)
10/22/2020			<0.001	<0.001	<0.001
10/23/2020	<0.001	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001	0.000159 (J)
10/6/2021	<0.001	<0.001	0.00017 (J)	<0.001	<0.001
3/14/2022				<0.001	<0.001
3/15/2022	0.000592 (J)	<0.001	0.000368 (J)		
10/3/2022			0.000219 (J)	<0.001	<0.001
10/4/2022	<0.001	<0.001			
4/18/2023	<0.001	<0.001	0.000225 (J)	<0.001	<0.001
10/26/2023	<0.001	<0.001	0.000215 (J)		
10/27/2023				<0.001	<0.001

# Time Series

Constituent: Lithium (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.005	0.0038	<0.005	<0.005	<0.005
5/16/2016		<0.005	<0.005	<0.005	<0.005
5/17/2016	<0.005				
7/11/2016			<0.005	<0.005	
7/12/2016	<0.005	<0.005			<0.005
9/12/2016				<0.005	
9/13/2016	<0.005	<0.005	<0.005		<0.005
11/16/2016				<0.005	<0.005
11/17/2016	<0.005	<0.005	<0.005		
1/16/2017	<0.005		<0.005	<0.005	<0.005
1/17/2017		<0.005			
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017				<0.005	
5/23/2017	<0.005	<0.005	<0.005		<0.005
2/21/2020		<0.005	<0.005		
2/22/2020	<0.005			<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	0.000867 (J)	0.00116 (J)	0.000994 (J)	0.00145 (J)	0.00205 (J)
10/3/2022	0.00108 (J)	<0.005	0.00133 (J)	0.00168 (J)	
10/4/2022					0.00206 (J)
4/17/2023				0.00208 (J)	<0.005
4/18/2023	<0.005	<0.005	<0.005		
10/26/2023	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Lithium (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005			
5/16/2016		<0.005	<0.005		<0.005
5/17/2016	<0.005			<0.005	
7/11/2016		<0.005	<0.005	<0.005	<0.005
7/12/2016	<0.005				
9/12/2016		<0.005	<0.005		
9/13/2016	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005		
11/17/2016				<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005		
1/17/2017				<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017		<0.005	<0.005		
5/23/2017	<0.005			<0.005	<0.005
2/21/2020			<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005			
10/22/2020			<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022				0.00105 (J)	0.0011 (J)
3/15/2022	0.00142 (J)	0.00191 (J)	0.00192 (J)		
10/3/2022			0.00179 (J)	0.000959 (J)	0.00106 (J)
10/4/2022	0.00138 (J)	0.00139 (J)			
4/18/2023	<0.005	<0.005	0.00271 (J)	<0.005	0.00209 (J)
10/26/2023	<0.005	<0.005	<0.005		
10/27/2023				<0.005	<0.005

# Time Series

Constituent: Mercury (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	9.9E-05 (J)		0.00012 (J)	0.00012 (J)	0.00012 (J)
3/3/2015	<0.0002		<0.0002	<0.0002	<0.0002
4/7/2015	<0.0002		<0.0002	<0.0002	<0.0002
5/14/2015	<0.0002		<0.0002	<0.0002	<0.0002
6/3/2015	<0.0002		<0.0002	8.5E-05 (J)	<0.0002
6/18/2015	<0.0002		<0.0002	<0.0002	<0.0002
6/30/2015	<0.0002		<0.0002	<0.0002	<0.0002
7/15/2015	<0.0002		<0.0002	<0.0002	<0.0002
1/11/2016	<0.0002		8.7E-05 (J)	8.8E-05 (J)	8.7E-05 (J)
3/22/2016	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)
5/16/2016		<0.0002	<0.0002	<0.0002	<0.0002
5/17/2016	<0.0002				
7/11/2016			<0.0002	<0.0002	
7/12/2016	<0.0002	<0.0002			<0.0002
9/12/2016				<0.0002	
9/13/2016	<0.0002	<0.0002	<0.0002		<0.0002
11/16/2016				<0.0002	<0.0002
11/17/2016	<0.0002	<0.0002	<0.0002		
1/16/2017	<0.0002		<0.0002	<0.0002	<0.0002
1/17/2017		<0.0002			
3/20/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/22/2017				<0.0002	
5/23/2017	<0.0002	<0.0002	<0.0002		<0.0002
11/27/2017	0.00031		<0.0002	<0.0002	0.00022
2/21/2020		<0.0002	<0.0002		
2/22/2020	<0.0002			<0.0002	<0.0002
10/23/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/15/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/6/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/14/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/3/2022	<0.0002	<0.0002	<0.0002	<0.0002	
10/4/2022					<0.0002
4/17/2023				<0.0002	<0.0002
4/18/2023	<0.0002	<0.0002	<0.0002		
10/26/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

# Time Series

Constituent: Mercury (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.0002 (*)	<0.0002 (*)	<0.0002 (*)
3/22/2016	<0.0002 (*)	<0.0002 (*)			
5/16/2016		<0.0002	<0.0002		<0.0002
5/17/2016	<0.0002			<0.0002	
7/11/2016		<0.0002	<0.0002	<0.0002	<0.0002
7/12/2016	<0.0002				
9/12/2016		<0.0002	<0.0002		
9/13/2016	<0.0002			<0.0002	<0.0002
11/16/2016	<0.0002	<0.0002	<0.0002		
11/17/2016				<0.0002	<0.0002
1/16/2017	<0.0002	<0.0002	<0.0002		
1/17/2017				<0.0002	<0.0002
3/20/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/22/2017		<0.0002	<0.0002		
5/23/2017	<0.0002			<0.0002	<0.0002
2/21/2020			<0.0002	<0.0002	<0.0002
2/22/2020	<0.0002	<0.0002			
10/22/2020			<0.0002	<0.0002	<0.0002
10/23/2020	<0.0002	<0.0002			
3/15/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
10/6/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/14/2022				<0.0002	<0.0002
3/15/2022	<0.0002	<0.0002	<0.0002		
10/3/2022			<0.0002	<0.0002	<0.0002
10/4/2022	<0.0002	0.00143			
4/18/2023	<0.0002	0.00242	<0.0002	<0.0002	<0.0002
10/26/2023	<0.0002	0.000149 (J)	<0.0002		
10/27/2023				<0.0002	<0.0002



# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005
5/16/2016		<0.005	<0.005	<0.005	<0.005
5/17/2016	<0.005				
7/11/2016			<0.005	<0.005	
7/12/2016	<0.005	<0.005			<0.005
9/12/2016				<0.005	
9/13/2016	<0.005	<0.005	<0.005		<0.005
11/16/2016				<0.005	<0.005
11/17/2016	<0.005	<0.005	<0.005		
1/16/2017	<0.005		<0.005	<0.005	<0.005
1/17/2017		<0.005			
3/20/2017	<0.005 (*)	<0.005 (*)	<0.005	<0.005 (*)	<0.005
5/22/2017				<0.005	
5/23/2017	0.0043 (J)	<0.005	0.0023 (J)		<0.005
2/21/2020		<0.005	<0.005		
2/22/2020	<0.005			<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	<0.005	<0.005	<0.005	<0.005	<0.005
10/3/2022	<0.005	<0.005	<0.005	<0.005	
10/4/2022					<0.005
4/17/2023				<0.005	<0.005
4/18/2023	<0.005	<0.005	<0.005		
10/26/2023	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005			
5/16/2016		<0.005	<0.005		<0.005
5/17/2016	<0.005			<0.005	
7/11/2016		<0.005	<0.005	<0.005	<0.005
7/12/2016	<0.005				
9/12/2016		<0.005	<0.005		
9/13/2016	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005		
11/17/2016				<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005		
1/17/2017				<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017		<0.005	<0.005		
5/23/2017	<0.005			<0.005	<0.005
2/21/2020			<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005			
10/22/2020			<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	0.00192 (J)	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022				<0.005	<0.005
3/15/2022	<0.005	<0.005	<0.005		
10/3/2022			<0.005	<0.005	<0.005
10/4/2022	<0.005	<0.005			
4/18/2023	<0.005	<0.005	<0.005	<0.005	<0.005
10/26/2023	<0.005	<0.005	<0.005		
10/27/2023				<0.005	<0.005

# Time Series

Constituent: pH (SU) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	5.84		5.68	4.63	5.09
3/3/2015	5.7		5.61	4.69	5.05
4/7/2015	5.39		5.43	4.46	4.87
5/14/2015	5.26		5.37	4.5	4.88
6/3/2015	5.37		5.29	4.45	4.82
6/18/2015	5.23		5.22	4.51	4.95
6/30/2015	5.28		5.07	4.48	4.86
7/15/2015	5.08		5.17	4.7	4.88
1/11/2016	5.42		4.96	4.9	5.17
3/22/2016	4.97	5.34	4.81	4.51	4.87
5/16/2016		5.48	4.82	4.54	4.95
5/17/2016	5.33				
7/11/2016			4.88	4.59	
7/12/2016	4.78	4.95			4.82
9/12/2016				4.46	
9/13/2016	4.83	4.95	4.86		4.82
11/16/2016				4.34	4.71
11/17/2016	4.66	4.86	4.79		
1/16/2017	4.85		4.79	4.39	4.82
1/17/2017		5.18			
3/20/2017	4.88	4.97	4.87	4.26	4.69
5/22/2017				4.44	
5/23/2017	4.8	4.91	4.84		4.74
10/17/2017				4.51	
10/18/2017	5.55	4.97	4.92		4.78
6/1/2018		5.07			
6/2/2018	5.18		4.88	4.51	4.92
11/7/2018				4.46	
11/8/2018	5.15	5.09	4.92		4.91
4/19/2019	4.89	5.13	4.85	4.38	4.91
9/25/2019	4.83	4.9	4.79	4.27	4.79
2/21/2020		5.05	4.82		
2/22/2020	4.83			4.39	4.95
4/14/2020				4.36	
4/15/2020	4.78	4.98	4.9		4.9
10/23/2020	4.78	4.9	4.8	4.72	4.89
3/15/2021	4.81	4.93	4.83	4.56	4.87
10/6/2021	4.9	5.03	4.89	4.36	4.77
3/14/2022	4.65	4.88	4.62	4.47	4.84
10/3/2022	4.92	5.13	4.75	4.38	
10/4/2022					4.76
4/17/2023				4.4	4.61
4/18/2023	4.8	4.84	4.61		
10/26/2023	5.05	5.35	4.96	4.44	4.67

# Time Series

Constituent: pH (SU) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			4.46	4.97	4.85
3/22/2016	4.79	4.68			
5/16/2016		4.73	4.55		5.01
5/17/2016	4.81			4.5	
7/11/2016		4.71	5.16	4.51	4.87
7/12/2016	4.71				
9/12/2016		4.63	4.44		
9/13/2016	4.76			4.71	4.92
11/16/2016	4.65	4.57	4.36		
11/17/2016				4.49	4.82
1/16/2017	4.76	4.61	4.47		
1/17/2017				4.77	4.89
3/20/2017	4.61	4.49	4.22	4.54	4.92
5/22/2017		4.61	4.38		
5/23/2017	4.73			7.14 (o)	4.86
10/18/2017	5.07	4.63	4.49	4.81	4.96
12/15/2017	4.86 (R)				
6/1/2018			4.54	4.66	5.02
6/2/2018	4.87	4.75			
11/7/2018			4.48	4.54	
11/8/2018	4.9	4.69			4.98
4/19/2019	4.86	4.72	4.51	4.63	4.94
9/24/2019				4.57	4.86
9/25/2019	4.82	4.67	4.47		
2/21/2020			4.44	4.57	4.78
2/22/2020		4.78			
4/14/2020		4.75	4.73		
4/15/2020	4.74			4.69	4.87
10/22/2020			4.59	4.7	4.86
10/23/2020	4.91	4.72			
3/15/2021	4.85	4.69	4.52	4.78	4.88
10/6/2021	5.05	4.56	4.35	4.86	4.98
3/14/2022				4.65	4.76
3/15/2022	4.92	4.64	4.24		
10/3/2022			4.37	4.82	4.95
10/4/2022	4.84	4.62			
4/18/2023	4.58	4.56	4.32	4.66	4.75
10/26/2023	4.96	4.65	4.39		
10/27/2023				4.73	4.91

# Time Series

Constituent: Selenium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	<0.005		<0.005	<0.005	<0.005
3/3/2015	<0.005		<0.005	<0.005	<0.005
4/7/2015	<0.005		<0.005	<0.005	<0.005
5/14/2015	<0.005		<0.005	<0.005	<0.005
6/3/2015	0.0046 (J)		<0.005	<0.005	<0.005
6/18/2015	<0.005		<0.005	0.0056 (J)	<0.005
6/30/2015	<0.005		0.0059 (J)	0.0062 (J)	0.0044 (J)
7/15/2015	<0.005		<0.005	<0.005	<0.005
1/11/2016	<0.005		<0.005	<0.005	<0.005
3/22/2016	0.00065 (J)	<0.005	<0.005	<0.005	<0.005
5/16/2016		<0.005	<0.005	<0.005	<0.005
5/17/2016	<0.005				
7/11/2016			<0.005	<0.005	
7/12/2016	0.00032 (J)	<0.005			<0.005
9/12/2016				<0.005	
9/13/2016	<0.005 (*)	<0.005	<0.005		<0.005
11/16/2016				<0.005	<0.005
11/17/2016	<0.005	<0.005	<0.005		
1/16/2017	<0.005		<0.005	<0.005	<0.005
1/17/2017		<0.005			
3/20/2017	0.0027	0.0027	<0.005	<0.005 (*)	<0.005
5/22/2017				<0.005	
5/23/2017	0.0022	<0.005	0.00082 (J)		<0.005
11/27/2017	0.007		0.0071	<0.005	<0.005
2/21/2020		<0.005	<0.005		
2/22/2020	<0.005			<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	<0.005	<0.005	<0.005	<0.005	<0.005
10/3/2022	<0.005	<0.005	0.000773 (J)	<0.005	
10/4/2022					<0.005
4/17/2023				<0.005	<0.005
4/18/2023	<0.005	<0.005	<0.005		
10/26/2023	<0.005	<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Selenium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005			
5/16/2016		<0.005	<0.005		0.00031 (J)
5/17/2016	<0.005			<0.005	
7/11/2016		<0.005	<0.005	<0.005	0.0004 (J)
7/12/2016	<0.005				
9/12/2016		<0.005	<0.005		
9/13/2016	<0.005			<0.005	<0.005 (*)
11/16/2016	<0.005	<0.005	<0.005		
11/17/2016				<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005		
1/17/2017				<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017		<0.005	<0.005		
5/23/2017	0.0003 (J)			<0.005	<0.005
2/21/2020			<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005			
10/22/2020			<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022				<0.005	<0.005
3/15/2022	<0.005	<0.005	<0.005		
10/3/2022			<0.005	<0.005	<0.005
10/4/2022	<0.005	<0.005			
4/18/2023	<0.005	<0.005	<0.005	<0.005	<0.005
10/26/2023	<0.005	<0.005	<0.005		
10/27/2023				<0.005	<0.005

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
1/29/2015	2.4 (J)		<1	<1.4	<5
3/3/2015	3.2 (J)		<1	<1.4	<5
4/7/2015	2.6 (J)		<1	<1.4	<5
5/14/2015	3 (J)		<1	<1.4	<5
6/3/2015	2.8 (J)		<1	<1.4	<5
6/18/2015	3.9 (J)		<1	<1.4	<5
6/30/2015	2.9 (J)		<1	<1.4	<5
7/15/2015	2.6 (J)		<1	<1.4	<5
1/11/2016	4.5 (J)		<1	<1.4	<5
3/22/2016	4 (J)	<1	<1	<1.4	<5
5/16/2016		<1	<1	<1.4	<5
5/17/2016	4.1 (J)				
7/11/2016			1.4 (J)	<1.4	
7/12/2016	5.2	<1			<5
9/12/2016				<1.4	
9/13/2016	5.5	1.6 (J)	<1		<5
11/16/2016				<1.4	<5
11/17/2016	5.9	<1	<1		
1/16/2017	6.6		<1	<1.4	<5
1/17/2017		<1			
3/20/2017	<6.6	<1	<1	<1.4	<5
5/22/2017				<1.4	
5/23/2017	6	<1	<1		<5
10/17/2017				<1.4	
10/18/2017	8	<1	<1		<5
11/27/2017	9.5		3.1	2.9	4.1
12/16/2017	7.7 (RS)				
6/1/2018		2.1 (J)			
6/2/2018	12		<1	<1.4	1.9 (J)
11/7/2018				2.1 (J)	
11/8/2018	10	<1	<1		1.8 (J)
4/19/2019	10.1	0.702 (J)	0.468 (J)	19.5 (o)	2.1
6/7/2019	8.98			19.2	
9/25/2019	8.87	0.648 (J)	0.436 (J)	65.1	2.3
11/29/2019	9.09			107	
4/14/2020				194	
4/15/2020	9.84	<1	<1		2
10/23/2020	8.82	0.515 (J)	0.405 (J)	142	1.75
3/15/2021	9.05	<1	<1	116	1.94
10/6/2021	10.3	<1	<1	2.93	1.97
3/14/2022	9.59	<1	0.861 (J)	2.2	2.04
10/3/2022	8.36	3.38	<1	1.25	
10/4/2022					1.86
4/17/2023				1.58	2.15
4/18/2023	7.46	3.39	0.784 (J)		
10/26/2023	9.32	4.98	1.05	1.97	3.13

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/8/2023 10:27 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<1	<1	<1
3/22/2016	<5	2.9 (J)			
5/16/2016		2.7 (J)	<1		1.7 (J)
5/17/2016	<5			<1	
7/11/2016		2.5 (J)	<1	<1	1.5 (J)
7/12/2016	<5				
9/12/2016		2.8 (J)	<1		
9/13/2016	<5			<1	1.5 (J)
11/16/2016	<5	3.1 (J)	<1		
11/17/2016				<1	<1
1/16/2017	<5	2.1	<1		
1/17/2017				<1	<1
3/20/2017	<5	<5	<1	<1	<1
5/22/2017		1.9 (J)	<1		
5/23/2017	<5			<1	<1
10/18/2017	<5	<5	<1	<1	<1
6/1/2018			<1	1.4 (J)	3.3 (J)
6/2/2018	3.4 (J)	1.8 (J)			
11/7/2018			<1	<1	
11/8/2018	3.1 (J)	1.6 (J)			1.8 (J)
4/19/2019	3.82	1.96	0.449 (J)	0.906 (J)	2.3
9/25/2019	3.52	1.98	1.57	<1	<1
4/14/2020		1.85	<1		
4/15/2020	3.38			<1	1.64
10/22/2020			<1	0.657 (J)	1.46
10/23/2020	3.33	1.75			
3/15/2021	3.42	1.8	<1	1.2	1.37
10/6/2021	6.05	0.802 (J)	<1	4.11	2.4
3/14/2022				3.09	1.58
3/15/2022	5.54	0.791 (J)	<1		
10/3/2022			<1	3.06	2.45
10/4/2022	6.61	0.791 (J)			
4/18/2023	7.27	1.23	<1	2.83	2.88
10/26/2023	7.15	1.95	<1		
10/27/2023				2.55	3.34



# Time Series

Constituent: Thallium (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	9E-05 (J)	<0.001	<0.001	<0.001	<0.001
5/16/2016		<0.001	<0.001	<0.001	<0.001
5/17/2016	<0.001				
7/11/2016			<0.001	<0.001	
7/12/2016	<0.001	<0.001			<0.001
9/12/2016				<0.001	
9/13/2016	<0.001	<0.001	<0.001		<0.001
11/16/2016				<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001		
1/16/2017	<0.001		<0.001	<0.001	<0.001
1/17/2017		<0.001			
3/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017				<0.001	
5/23/2017	9E-05 (J)	<0.001	<0.001		<0.001
2/21/2020		<0.001	<0.001		
2/22/2020	<0.001			<0.001	<0.001
10/23/2020	<0.001	0.00039 (J)	0.000234 (J)	<0.001	<0.001
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001
10/6/2021	0.000249 (J)	<0.001	0.000191 (J)	0.000269 (J)	<0.001
3/14/2022	<0.001	<0.001	<0.001	<0.001	<0.001
10/3/2022	<0.001	<0.001	<0.001	<0.001	
10/4/2022					<0.001
4/17/2023				<0.001	<0.001
4/18/2023	<0.001	<0.001	<0.001		
10/26/2023	<0.001	<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001			
5/16/2016		<0.001	<0.001		<0.001
5/17/2016	<0.001			<0.001	
7/11/2016		<0.001	<0.001	<0.001	<0.001
7/12/2016	<0.001				
9/12/2016		<0.001	<0.001		
9/13/2016	<0.001			<0.001	<0.001
11/16/2016	<0.001	<0.001	<0.001		
11/17/2016				<0.001	<0.001
1/16/2017	<0.001	<0.001	<0.001		
1/17/2017				<0.001	<0.001
3/20/2017	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017		<0.001	<0.001		
5/23/2017	<0.001			<0.001	<0.001
2/21/2020			<0.001	<0.001	<0.001
2/22/2020	<0.001	<0.001			
10/22/2020			<0.001	<0.001	<0.001
10/23/2020	<0.001	<0.001			
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001
10/6/2021	0.000231 (J)	<0.001	<0.001	<0.001	<0.001
3/14/2022				<0.001	<0.001
3/15/2022	<0.001	<0.001	<0.001		
10/3/2022			<0.001	<0.001	<0.001
10/4/2022	<0.001	<0.001			
4/18/2023	<0.001	<0.001	<0.001	<0.001	<0.001
10/26/2023	<0.001	<0.001	<0.001		
10/27/2023				<0.001	<0.001

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/8/2023 10:27 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1 (bg)	MW-10 (bg)	MW-2 (bg)	MW-3	MW-4
3/22/2016	60	26	28	22	26
5/16/2016		44	18	52	28
5/17/2016	90				
7/11/2016			4 (J)	16	
7/12/2016	56	<5			24
9/12/2016				30	
9/13/2016	88	24	26		32
11/16/2016				42	60
11/17/2016	80	38	36		
1/16/2017	68		12	42	32
1/17/2017		20			
3/20/2017	12	6	<3.4	12	<5
5/22/2017				34	
5/23/2017	54	40	26		48
10/17/2017				60	
10/18/2017	70	20	32		54
6/1/2018		28			
6/2/2018	20		<3.4	<3.4	32
11/7/2018				42	
11/8/2018	30	68	68		14
4/19/2019	38	20	29	83	43
6/7/2019				76	
9/25/2019	52	29	27	143	44
11/29/2019				180	
4/14/2020				299	
4/15/2020	43	22	32		31
10/23/2020	36	29	27	244	32
3/15/2021	36	22	30	201	27
10/6/2021	51	39	35	80	33
3/14/2022	38	26	29	42	16
10/3/2022	64	33	41	61	
10/4/2022					36
4/17/2023				42	34
4/18/2023	37	34	35		
10/26/2023	31	23	15	29	13

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/8/2023 10:27 AM

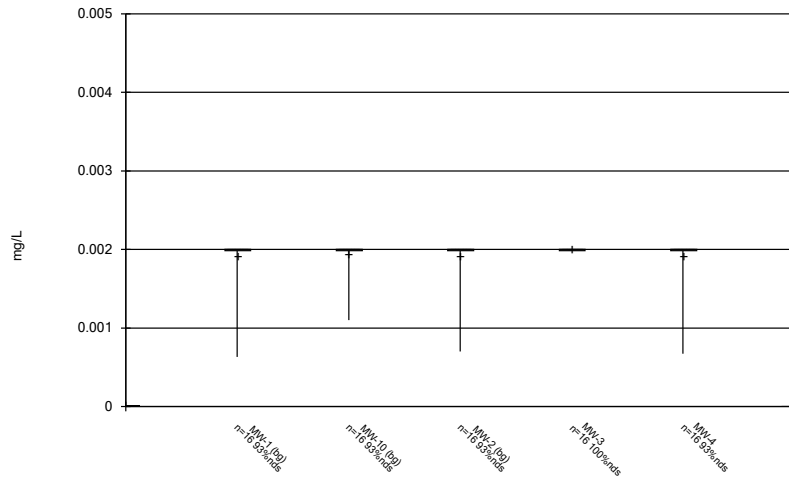
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016			52	42	30
3/22/2016	36	<3.4			
5/16/2016		24	44		32
5/17/2016	36			38	
7/11/2016		14	22	14	24
7/12/2016	34				
9/12/2016		26	24		
9/13/2016	34			40	34
11/16/2016	56	40	52		
11/17/2016				40	52
1/16/2017	32	32	32		
1/17/2017				36	<5
3/20/2017	20	10	16	<5	14
5/22/2017		30	48		
5/23/2017	32			44	36
10/18/2017	50	28	50	28	34
6/1/2018			42	60	42
6/2/2018	<10	<3.4			
11/7/2018			54	40	
11/8/2018	22	12			30
4/19/2019	34	26	36	71	23
9/25/2019	42	46	42	61	33
4/14/2020		26	30		
4/15/2020	26			53	28
10/22/2020			35	42	35
10/23/2020	31	25			
3/15/2021	32	29	32	39	31
10/6/2021	27	38	53	36	37
3/14/2022				23	56
3/15/2022	12	24	54		
10/3/2022			79	40	31
10/4/2022	41	28			
4/18/2023	29	32	53	35	23
10/26/2023	<10	12	36		
10/27/2023				19	19

# Box Plots

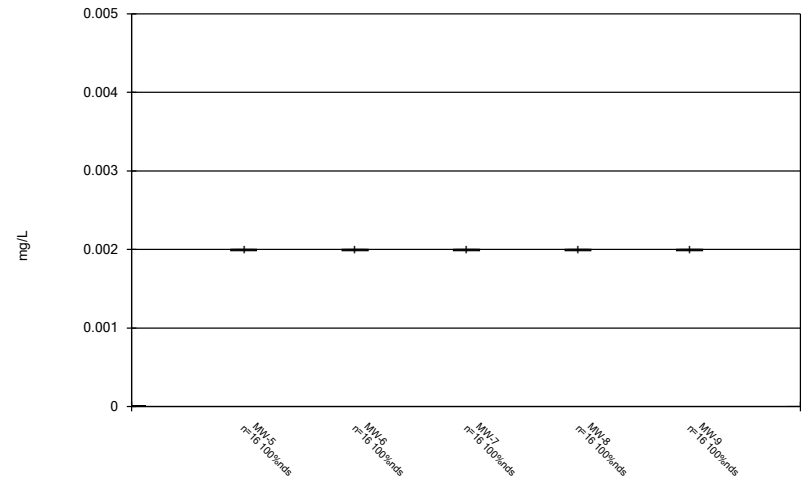
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### Box & Whiskers Plot



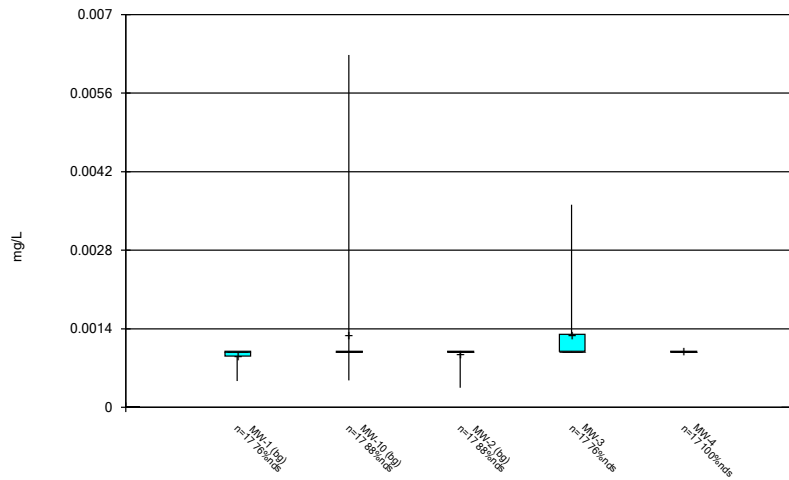
Constituent: Antimony Analysis Run 12/8/2023 10:27 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



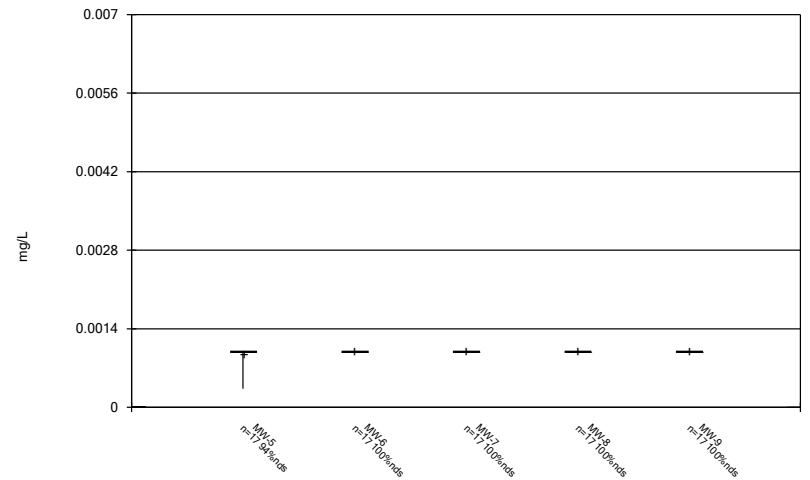
Constituent: Antimony Analysis Run 12/8/2023 10:27 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



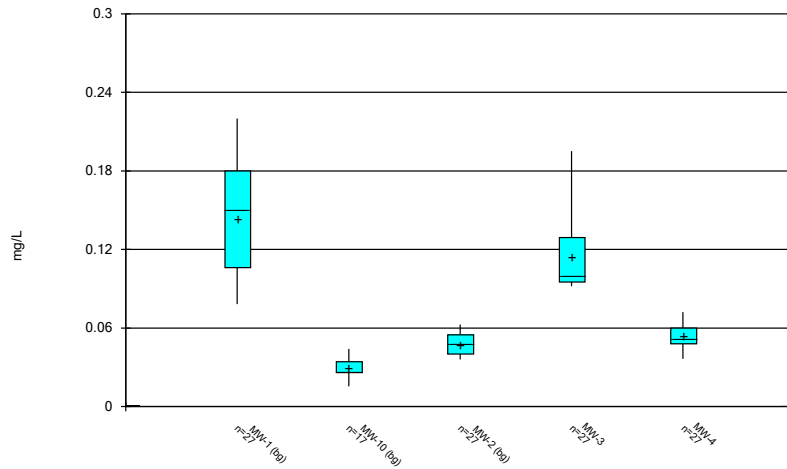
Constituent: Arsenic Analysis Run 12/8/2023 10:27 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



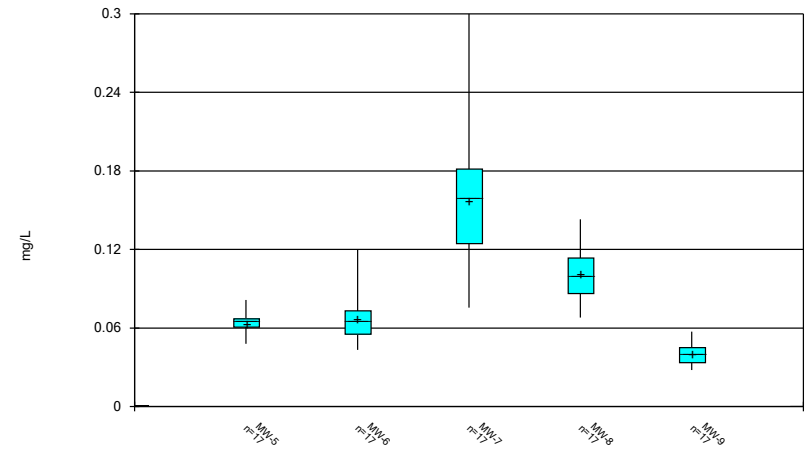
Constituent: Arsenic Analysis Run 12/8/2023 10:27 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



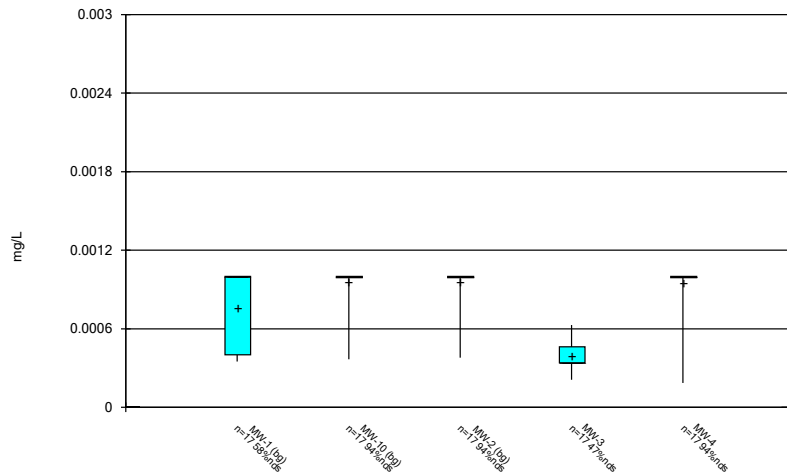
Constituent: Barium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



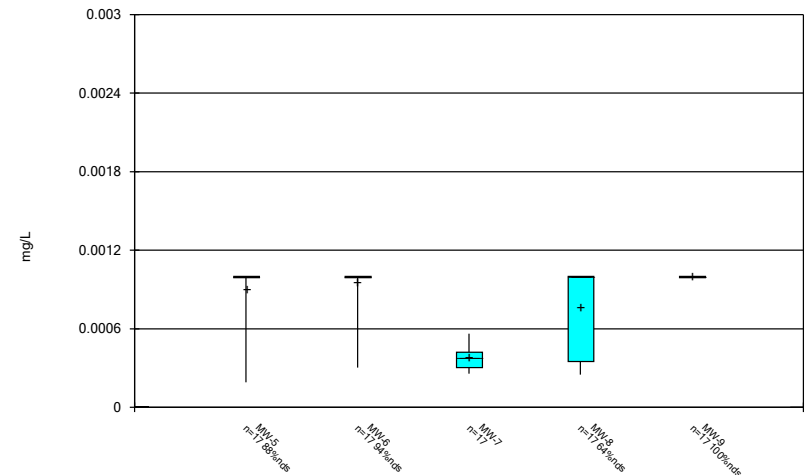
Constituent: Barium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



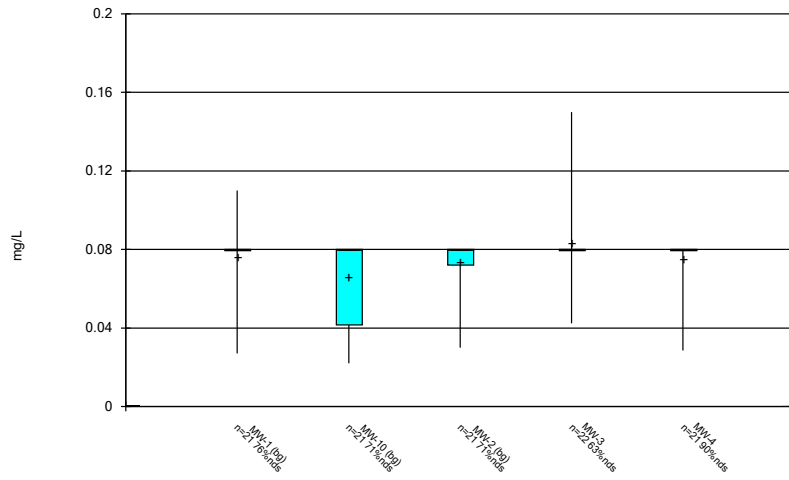
Constituent: Beryllium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



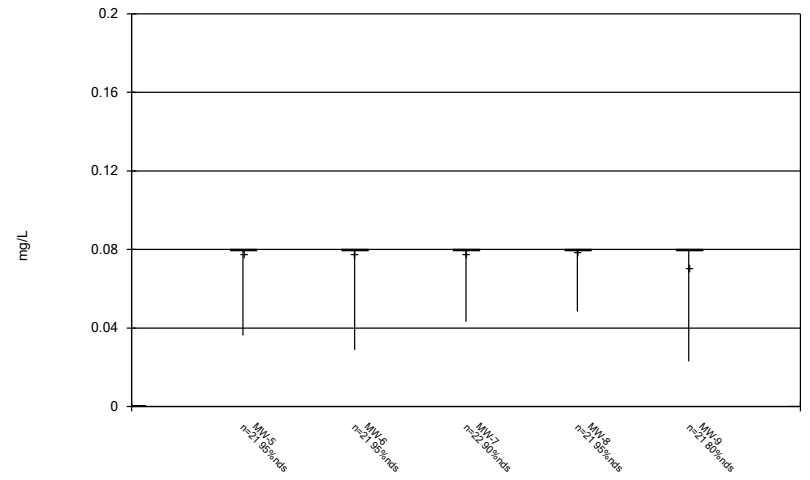
Constituent: Beryllium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



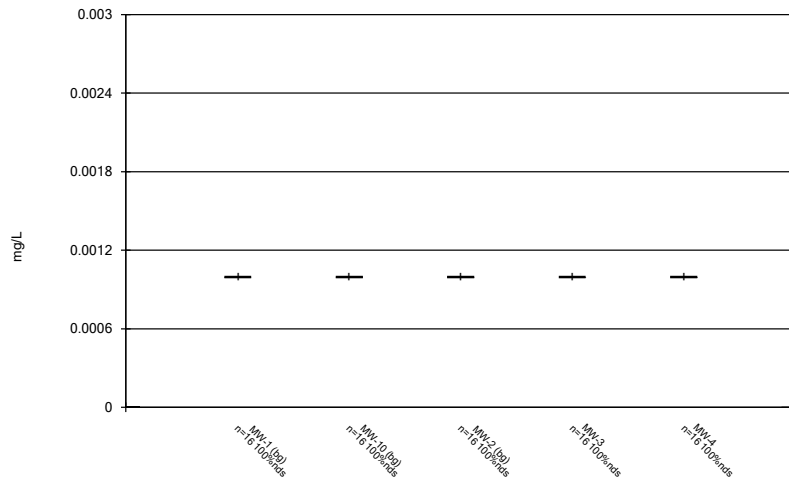
Constituent: Boron Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



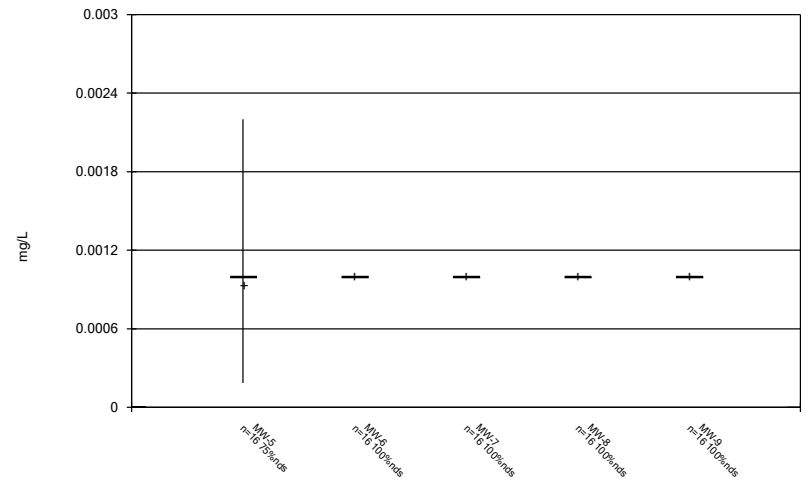
Constituent: Boron Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

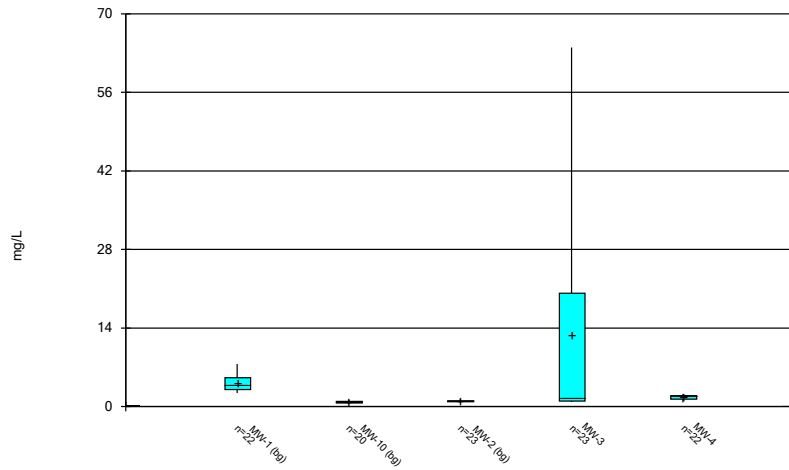
### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

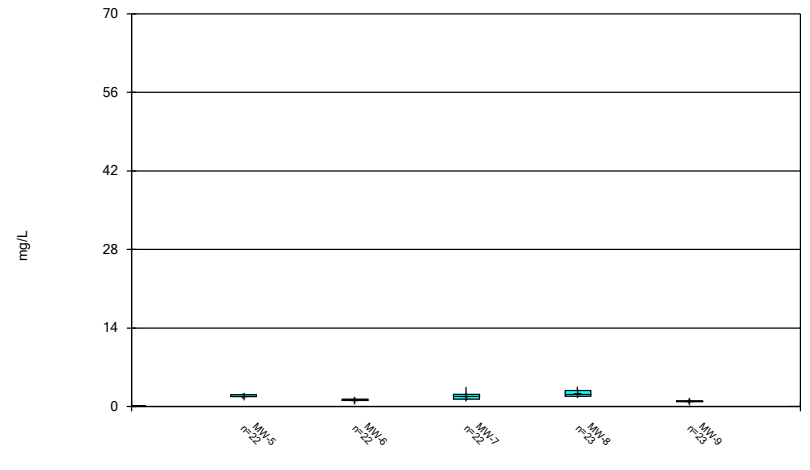


### Box & Whiskers Plot



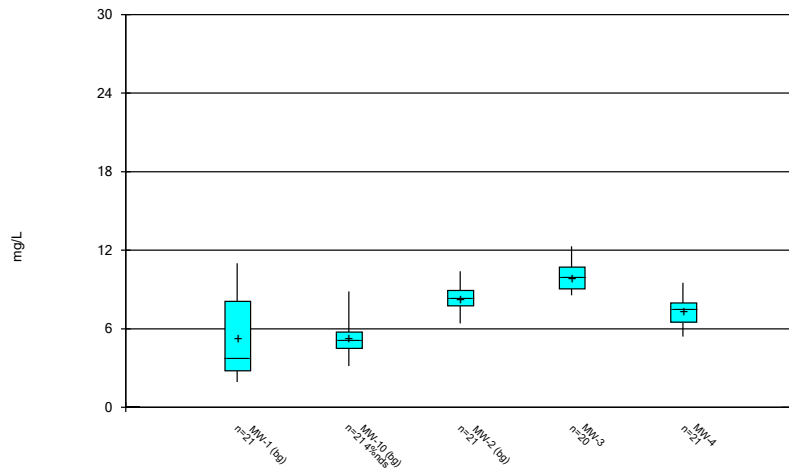
Constituent: Calcium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



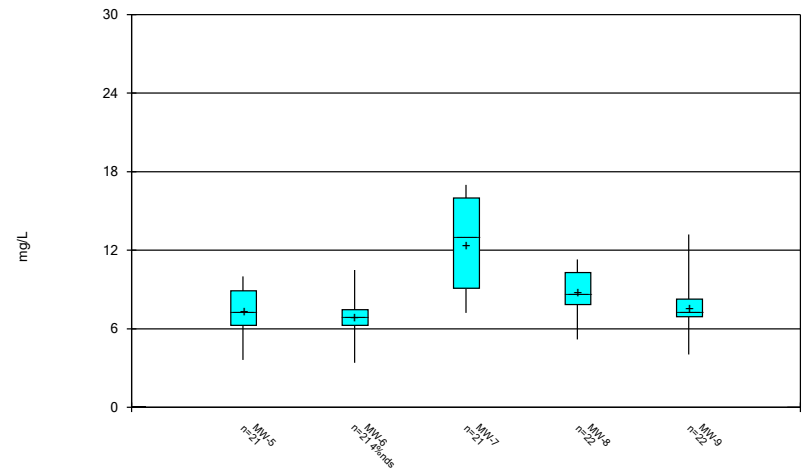
Constituent: Calcium Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



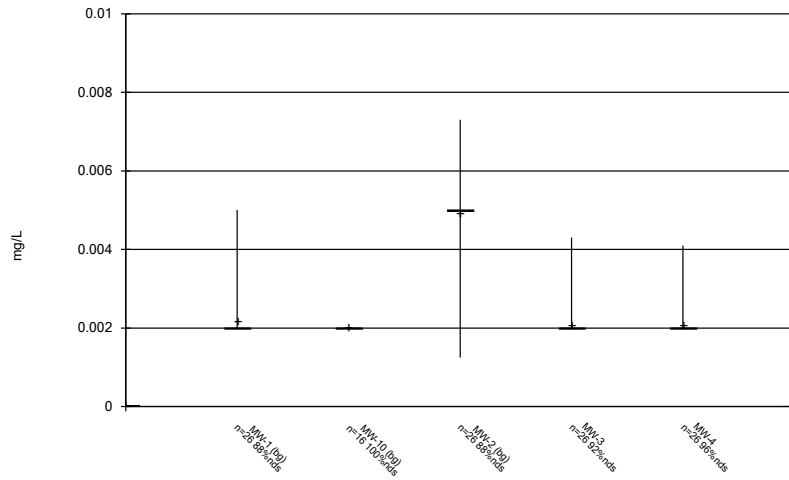
Constituent: Chloride Analysis Run 12/8/2023 10:27 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



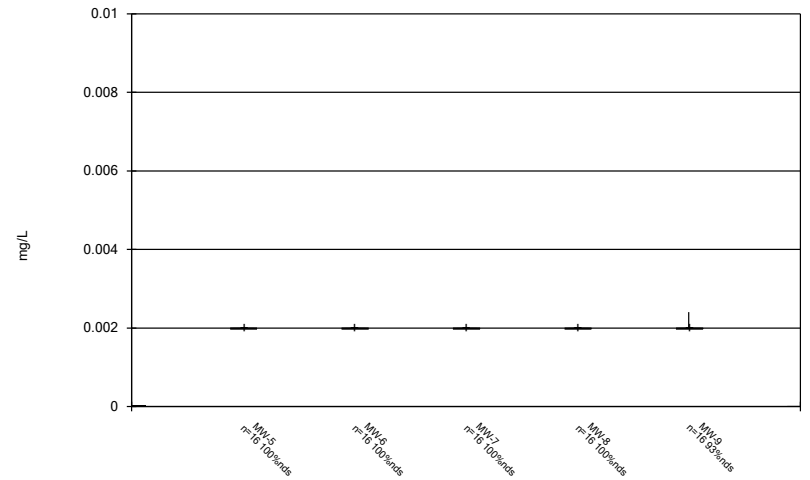
Constituent: Chloride Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



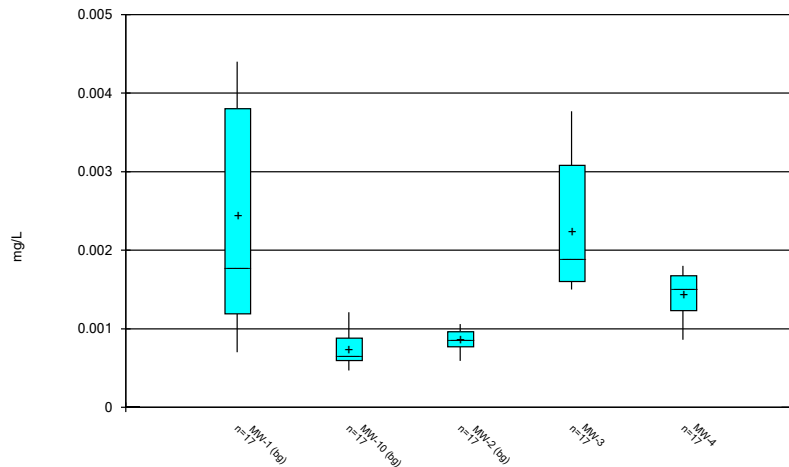
Constituent: Chromium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



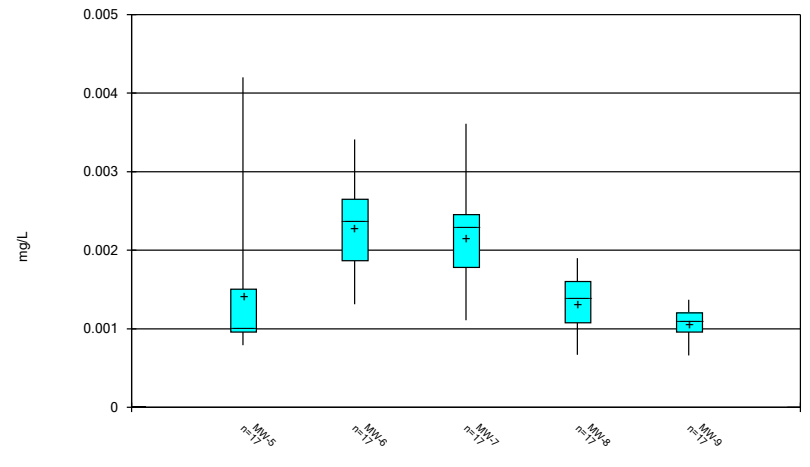
Constituent: Chromium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



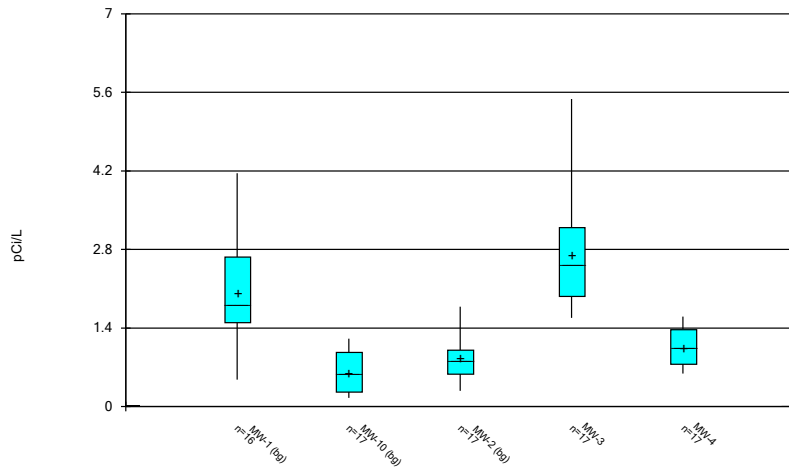
Constituent: Cobalt Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



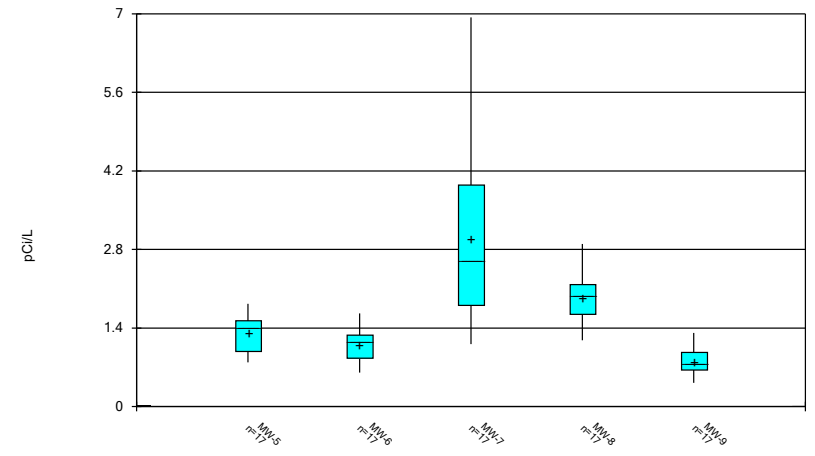
Constituent: Cobalt Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



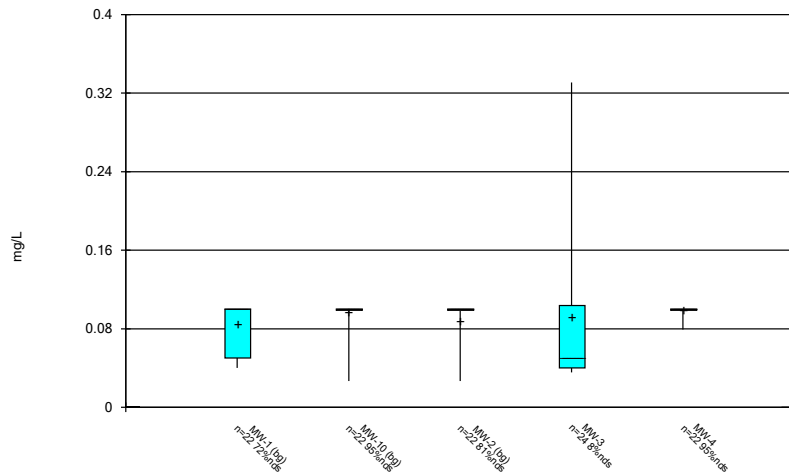
Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2023 10:28 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



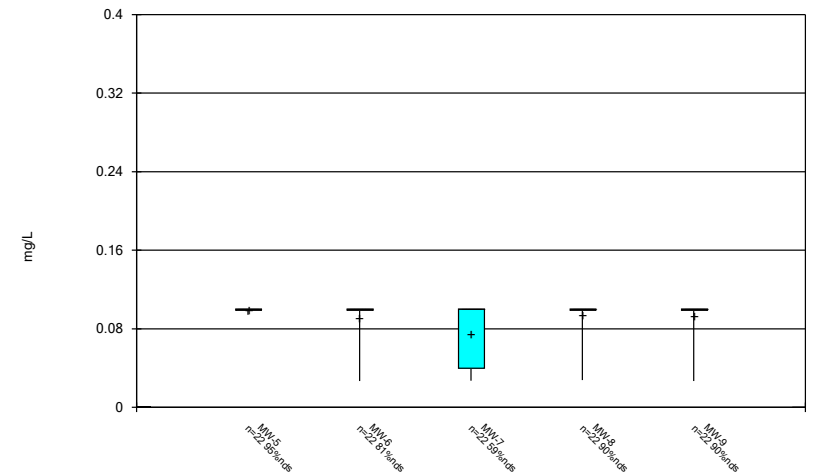
Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2023 10:28 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



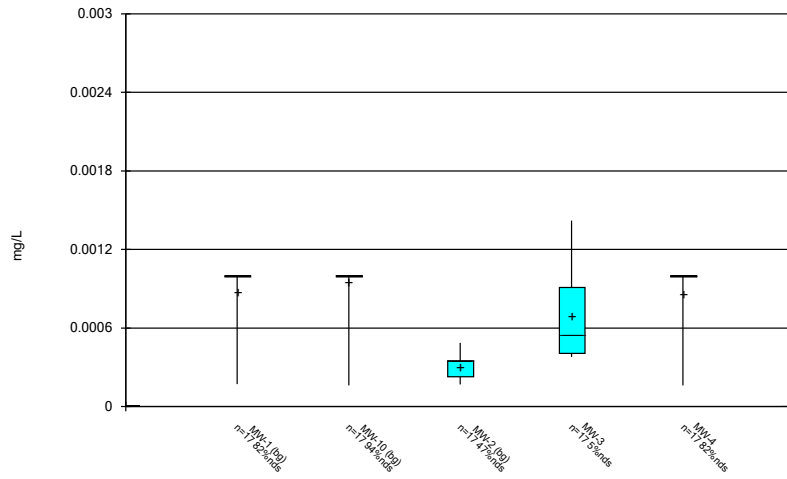
Constituent: Fluoride Analysis Run 12/8/2023 10:28 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



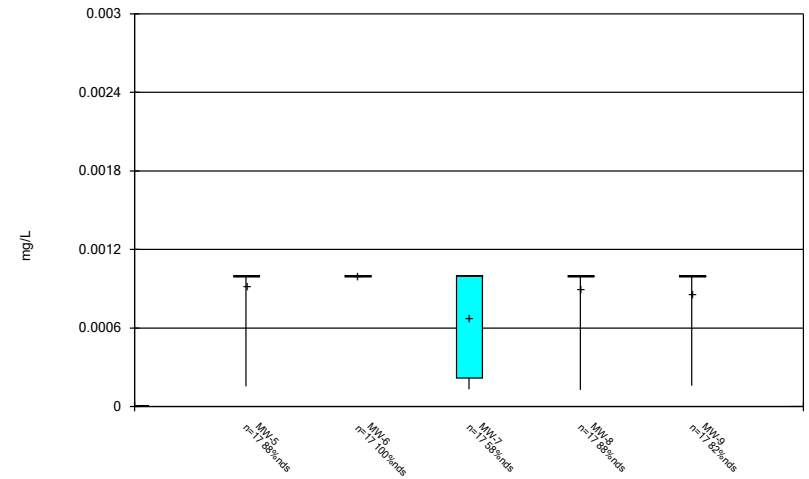
Constituent: Fluoride Analysis Run 12/8/2023 10:28 AM  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



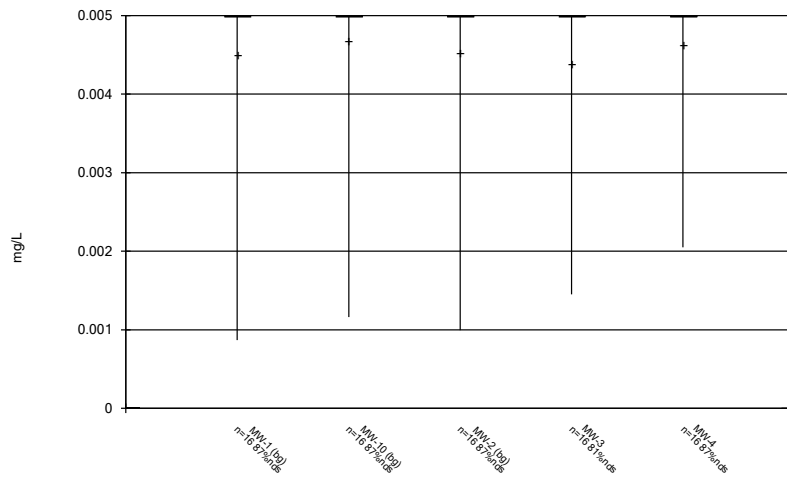
Constituent: Lead Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



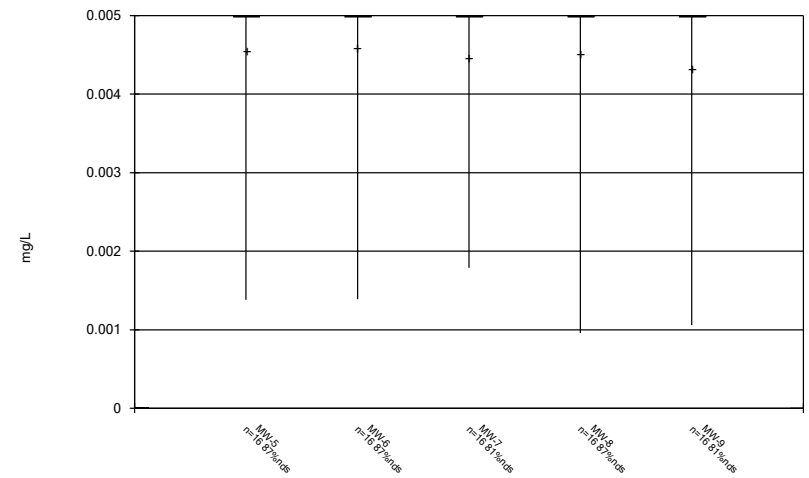
Constituent: Lead Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



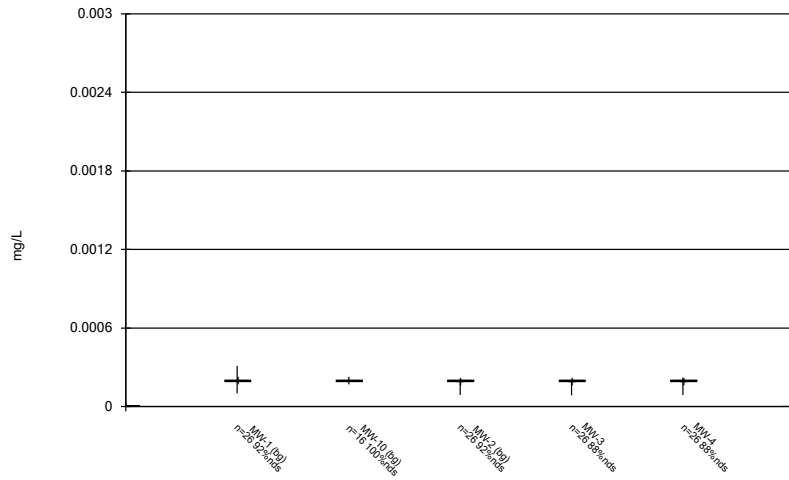
Constituent: Lithium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



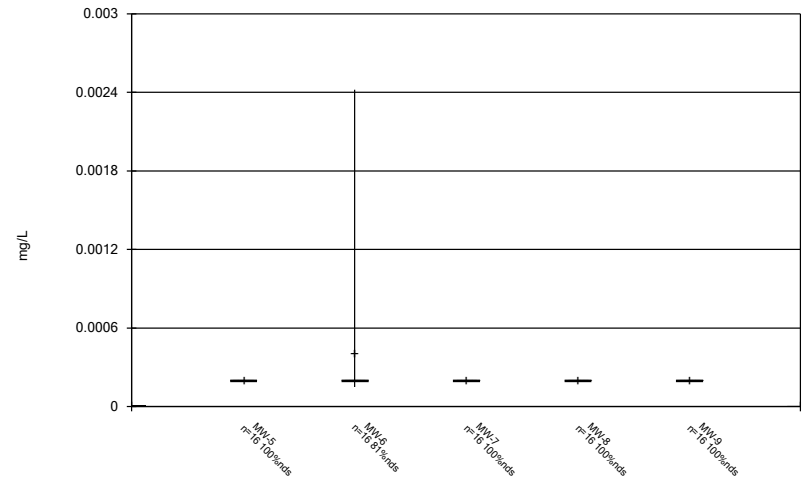
Constituent: Lithium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



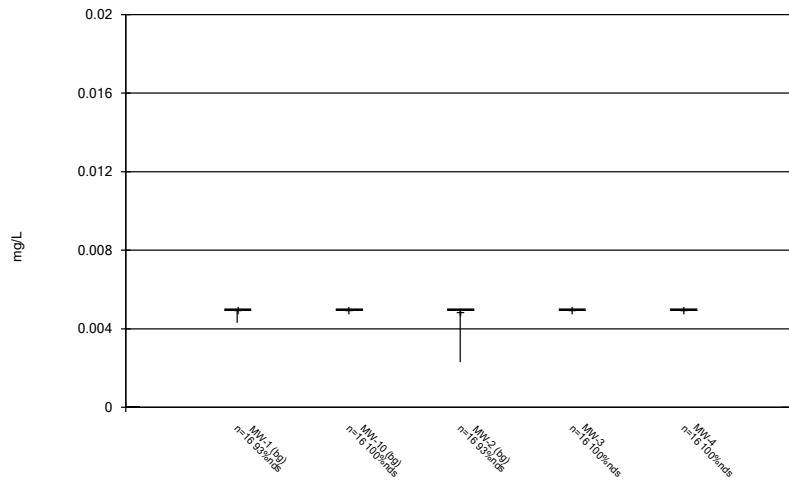
Constituent: Mercury Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



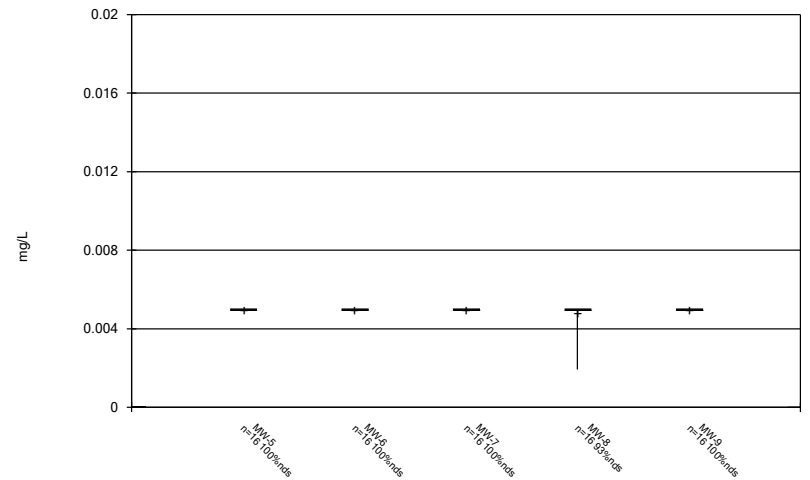
Constituent: Mercury Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



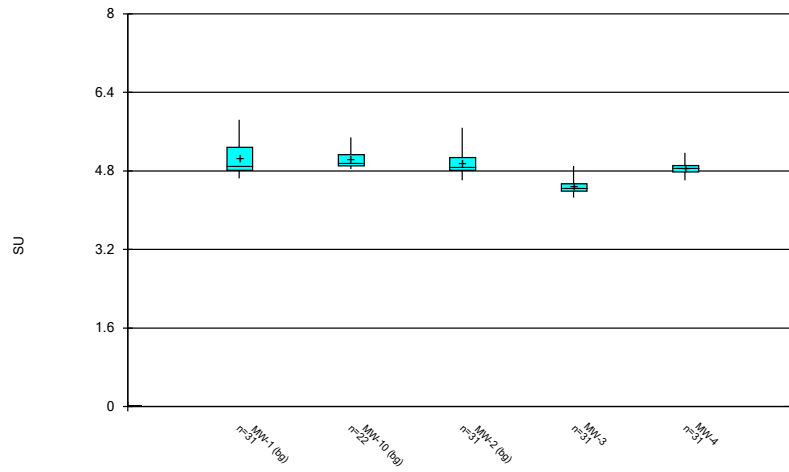
Constituent: Molybdenum Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



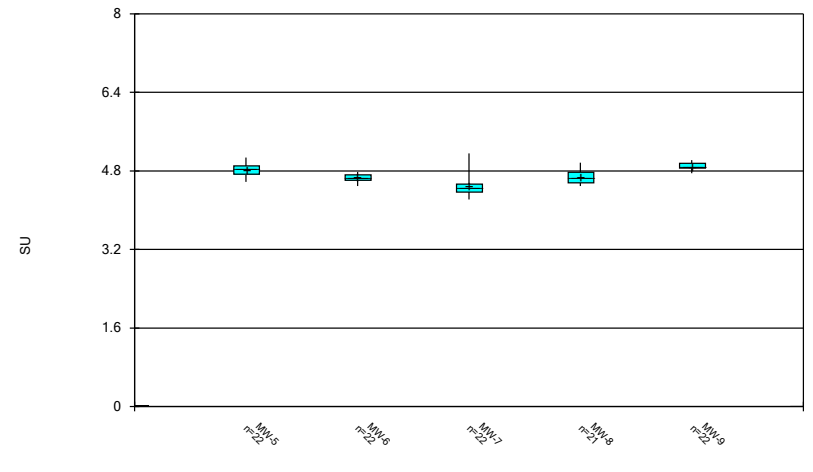
Constituent: Molybdenum Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



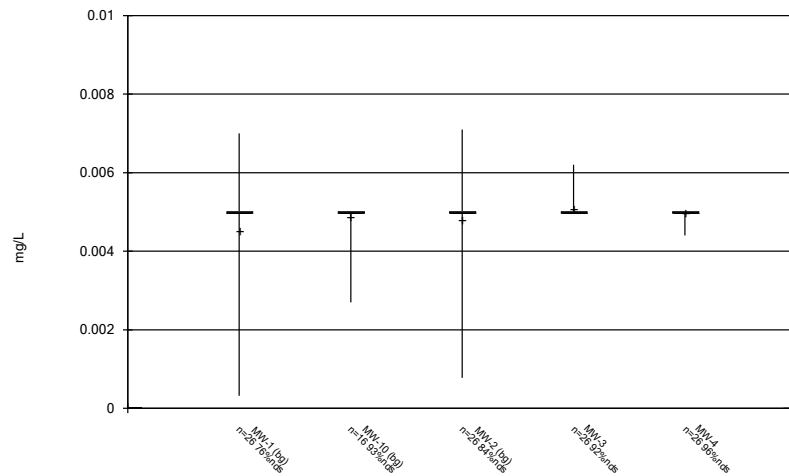
Constituent: pH Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



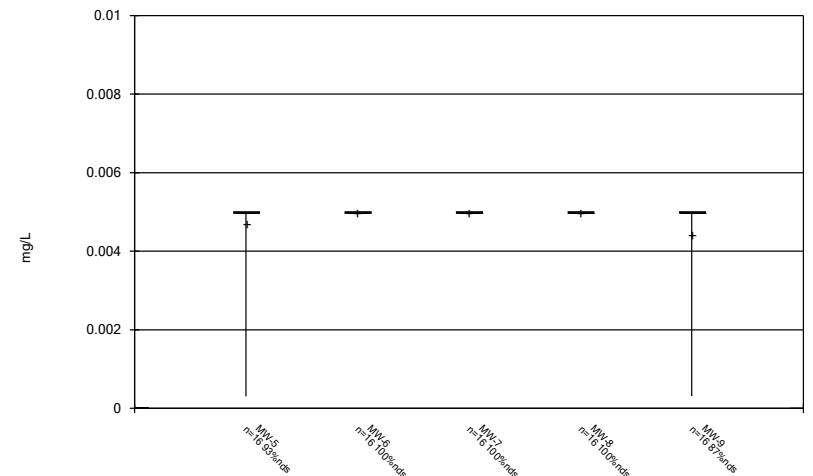
Constituent: pH Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



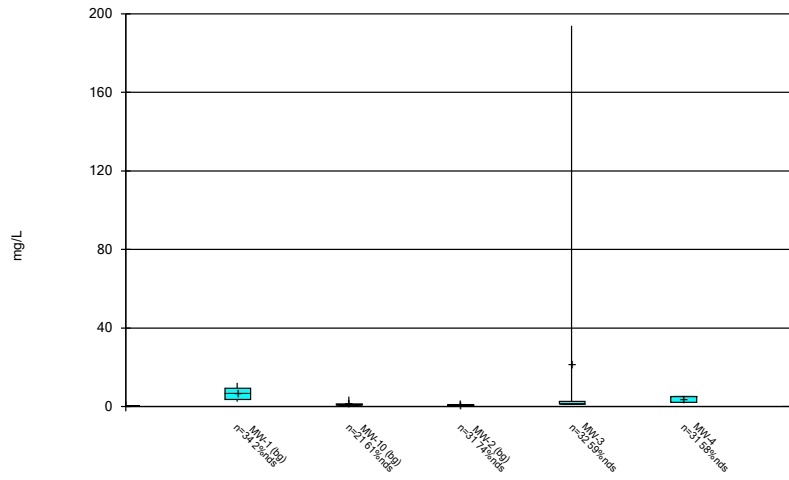
Constituent: Selenium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



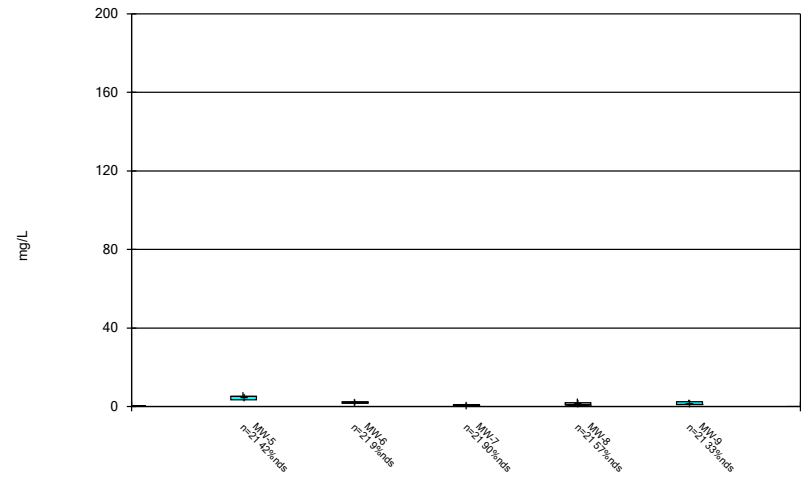
Constituent: Selenium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



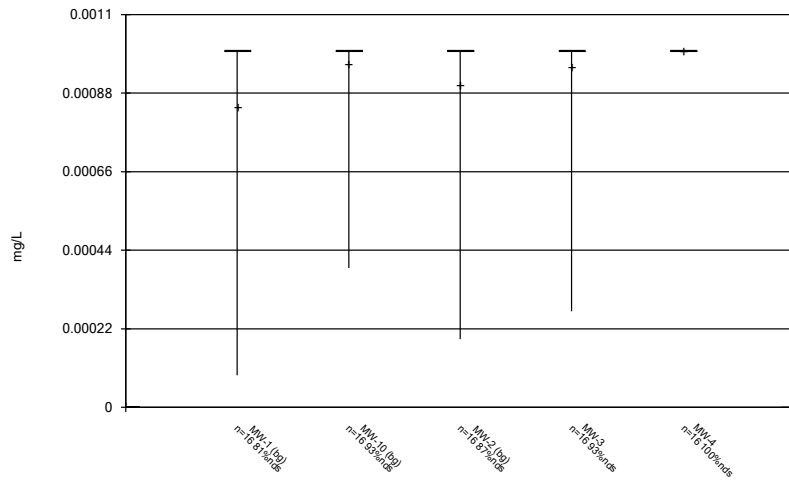
Constituent: Sulfate Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



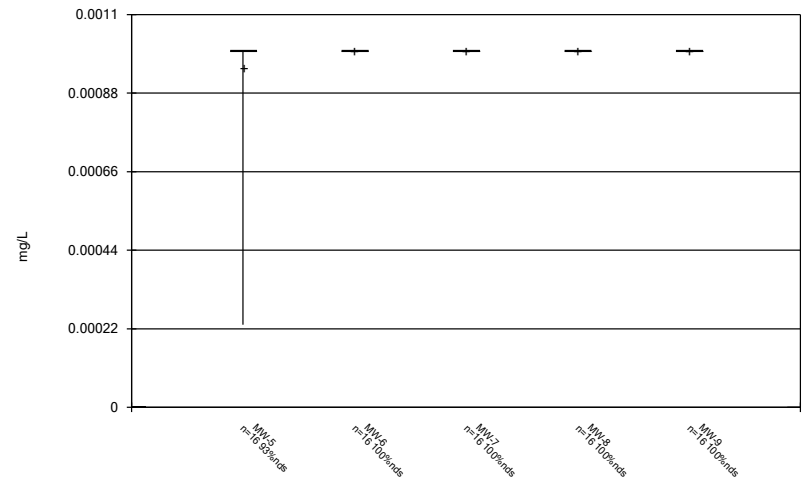
Constituent: Sulfate Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



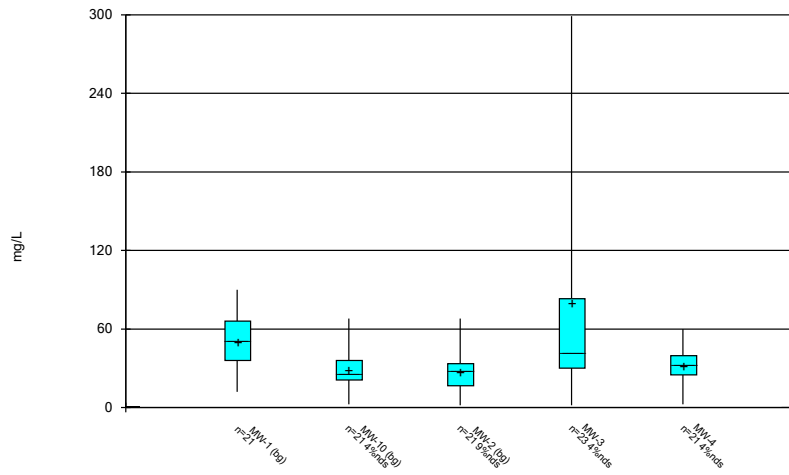
Constituent: Thallium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



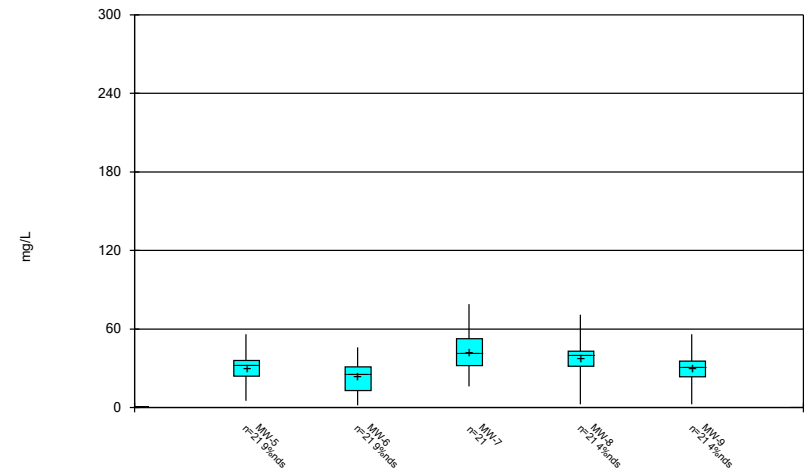
Constituent: Thallium Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/8/2023 10:28 AM  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



# Outlier Summary

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# Outlier Summary

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:27 AM

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	MW-10 Calcium (mg/L)	MW-3 Calcium (mg/L)	MW-3 Chloride (mg/L)	MW-1 Combined Radium 226 + 228 (pCi/L)	MW-8 pH (SU)	MW-3 Sulfate (mg/L)
3/22/2016	2.7 (o)					
5/16/2016	2.9 (o)					
5/23/2017				7.14 (o)		
11/7/2018			25 (o)			
4/19/2019	6.3 (o)					19.5 (o)

# Prediction Limits

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# Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:45 AM

Constituent	Well	Upper Lim.	Lower Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method	
Boron (mg/L)	MW-1	0.08	n/a	10/26/2023	0.11	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	10/26/2023	1.84	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	10/26/2023	2.53	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	10/26/2023	4.98	Yes	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	10/26/2023	7.15	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-9	3.045	n/a	10/27/2023	3.34	Yes	17	1.127	0.1444	41.18	Kaplan-Meier	x^(1/3)	0.001075	Param Intra 1 of 2

# Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:45 AM

Constituent	Well	Upper Lim.	Lower Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Boron (mg/L)</b>	<b>MW-1</b>	<b>0.08</b>	<b>n/a</b>	<b>10/26/2023 0.11</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>82.35</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Boron (mg/L)	MW-10	0.08	n/a	10/26/2023 0.0372J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-2	0.08	n/a	10/26/2023 0.0521J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-3	0.15	n/a	10/26/2023 0.0424J	No	18	n/a	n/a	66.67	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-4	0.08	n/a	10/26/2023 0.0285J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-5	0.08	n/a	10/26/2023 0.08ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-6	0.08	n/a	10/26/2023 0.08ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-7	0.08	n/a	10/26/2023 0.08ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-8	0.08	n/a	10/27/2023 0.08ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron (mg/L)	MW-9	0.08	n/a	10/27/2023 0.0251J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium (mg/L)	MW-1	4.644	n/a	10/26/2023 2.49	No	8	3.261	0.473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.278	n/a	10/26/2023 0.491J	No	16	0.8085	0.2075	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.288	n/a	10/26/2023 1.02	No	19	0.932	0.1632	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>1.615</b>	<b>n/a</b>	<b>10/26/2023 1.84</b>	<b>Yes</b>	<b>11</b>	<b>1.044</b>	<b>0.2254</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-4	2.387	n/a	10/26/2023 1.13	No	18	1.786	0.2723	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.433	n/a	10/26/2023 1.91	No	18	1.909	0.237	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.582	n/a	10/26/2023 0.754	No	18	1.219	0.1643	0	None	No	0.001075	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>MW-7</b>	<b>2.488</b>	<b>n/a</b>	<b>10/26/2023 2.53</b>	<b>Yes</b>	<b>18</b>	<b>1.641</b>	<b>0.3837</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	MW-8	3.587	n/a	10/27/2023 1.55	No	19	2.392	0.5473	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.284	n/a	10/27/2023 0.965	No	19	0.9727	0.1426	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	12.87	n/a	10/26/2023 3.82	No	17	5.716	3.201	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	8.092	n/a	10/26/2023 5.14	No	17	5.278	1.259	5.882	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	10.37	n/a	10/26/2023 8.66	No	17	8.149	0.9926	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.81	n/a	10/26/2023 9.28	No	16	9.844	0.8683	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	9.845	n/a	10/26/2023 7.91	No	17	7.669	0.9736	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.14	n/a	10/26/2023 5.94	No	17	7.845	1.472	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	10.5	n/a	10/26/2023 5.75	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	MW-7	18.99	n/a	10/26/2023 7.22	No	17	182	79.97	0	None	x^2	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	12.06	n/a	10/27/2023 5.18	No	18	9.243	1.274	0	None	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	13.2	n/a	10/27/2023 7.39	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-1	0.1	n/a	10/26/2023 0.0601J	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-10	0.1	n/a	10/26/2023 0.1ND	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-2	0.1	n/a	10/26/2023 0.0679J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-3	0.198	n/a	10/26/2023 0.0891J	No	14	n/a	n/a	14.29	n/a	n/a	0.008612	NP Intra (normality) 1 of 2
Fluoride (mg/L)	MW-4	0.1	n/a	10/26/2023 0.0792J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-5	0.1	n/a	10/26/2023 0.0942J	No	18	n/a	n/a	100	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-6	0.1	n/a	10/26/2023 0.084J	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-7	0.1	n/a	10/26/2023 0.0398J	No	18	n/a	n/a	72.22	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-8	0.1	n/a	10/27/2023 0.1ND	No	18	n/a	n/a	88.89	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Fluoride (mg/L)	MW-9	0.1	n/a	10/27/2023 0.0267J	No	18	n/a	n/a	94.44	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
pH (SU)	MW-1	5.742	4.434	10/26/2023 5.05	No	27	5.088	0.3167	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	10/26/2023 5.35	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-2	5.68	4.79	10/26/2023 4.96	No	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.793	4.198	10/26/2023 4.44	No	27	4.495	0.1441	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.101	4.653	10/26/2023 4.67	No	27	4.877	0.1084	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.555	10/26/2023 4.96	No	18	4.819	0.1199	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	10/26/2023 4.65	No	18	4.666	0.07694	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	10/26/2023 4.39	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-8	4.977	4.352	10/27/2023 4.73	No	17	4.665	0.1398	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	10/27/2023 4.91	No	18	4.904	0.06661	0	None	No	0.0005373	Param Intra 1 of 2
Sulfate (mg/L)	MW-1	13.22	n/a	10/26/2023 9.32	No	16	8.634	2.028	6.25	None	No	0.001075	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-10</b>	<b>2.1</b>	<b>n/a</b>	<b>10/26/2023 4.98</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>70.59</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-2	3.1	n/a	10/26/2023 1.05	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-3	2.9	n/a	10/26/2023 1.97	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-4	5	n/a	10/26/2023 3.13	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

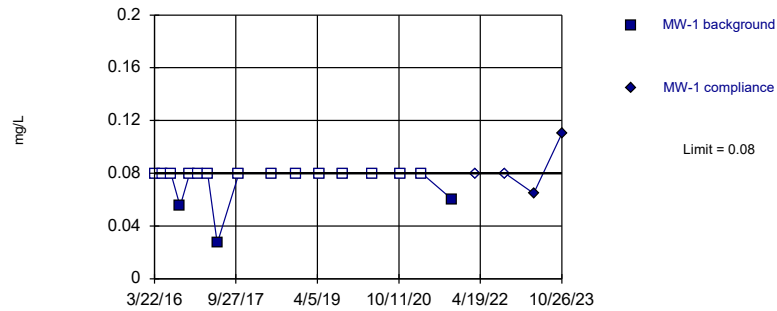
# Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:45 AM

Constituent	Well	Upper Lim.	Lower Lim.Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
<b>Sulfate (mg/L)</b>	<b>MW-5</b>	<b>6.05</b>	<b>n/a</b>	<b>10/26/2023 7.15</b>	<b>Yes</b>	<b>17</b>	<b>n/a</b>	<b>n/a</b>	<b>52.94</b>	<b>n/a</b>	<b>n/a</b>	<b>0.005914</b>	<b>NP Intra (NDs) 1 of 2</b>
Sulfate (mg/L)	MW-6	3.436	n/a	10/26/2023 1.95	No	17	2.15	0.5757	11.76	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1.57	n/a	10/26/2023 1ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-8	4.11	n/a	10/27/2023 2.55	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
<b>Sulfate (mg/L)</b>	<b>MW-9</b>	<b>3.045</b>	<b>n/a</b>	<b>10/27/2023 3.34</b>	<b>Yes</b>	<b>17</b>	<b>1.127</b>	<b>0.1444</b>	<b>41.18</b>	<b>Kaplan-Meier x^(1/3)</b>	<b>0.001075</b>	<b>Param Intra 1 of 2</b>	
Total Dissolved Solids (mg/L)	MW-1	102.2	n/a	10/26/2023 31	No	17	52	22.48	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-10	61.8	n/a	10/26/2023 23	No	17	28.09	15.09	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-2	60.69	n/a	10/26/2023 15	No	17	25.49	15.75	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-3	131.8	n/a	10/26/2023 29	No	14	46.84	36.1	7.143	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-4	64.23	n/a	10/26/2023 13	No	17	33.09	13.93	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-5	57.76	n/a	10/26/2023 5ND	No	17	32.29	11.39	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-6	52.16	n/a	10/26/2023 12	No	17	24.08	12.56	11.76	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-7	65.57	n/a	10/26/2023 36	No	17	39.06	11.86	0	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-8	76.83	n/a	10/27/2023 19	No	17	40.38	16.31	5.882	None	No	0.001075	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	MW-9	54.68	n/a	10/27/2023 19	No	17	30.44	10.85	5.882	None	No	0.001075	Param Intra 1 of 2

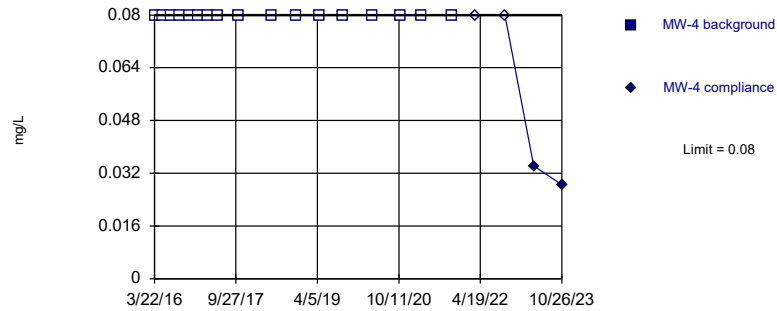
Exceeds Limit

Prediction Limit  
Intrawell Non-parametric



Within Limit

### Prediction Limit Intrawell Non-parametric

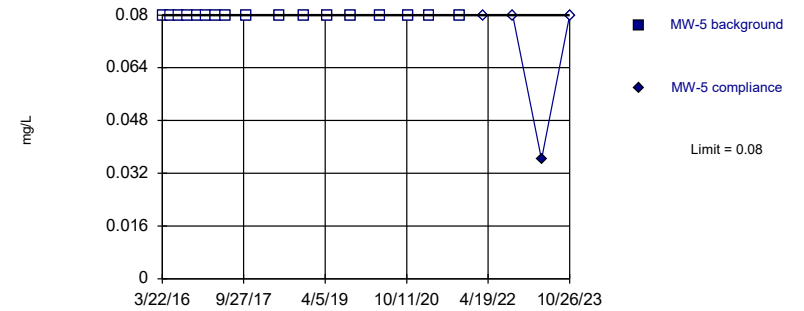


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

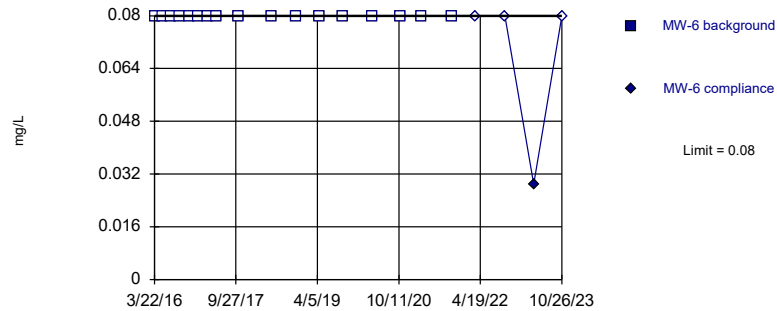


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Non-parametric

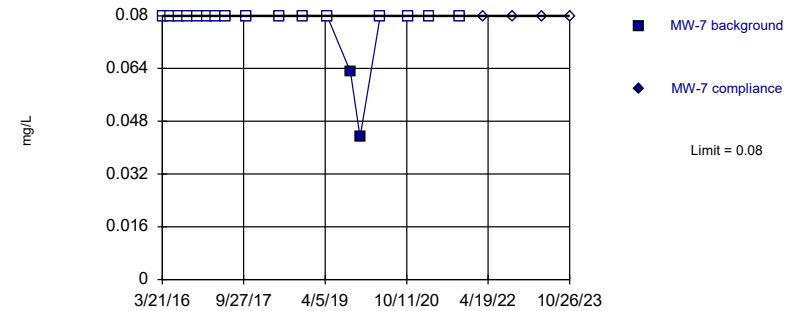


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Non-parametric



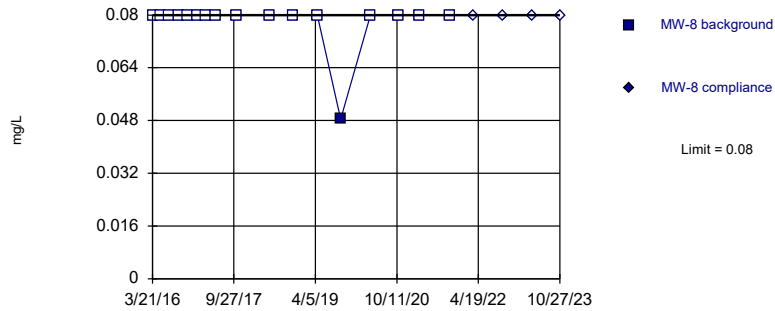
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Boron Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Within Limit

Prediction Limit  
Intrawell Non-parametric

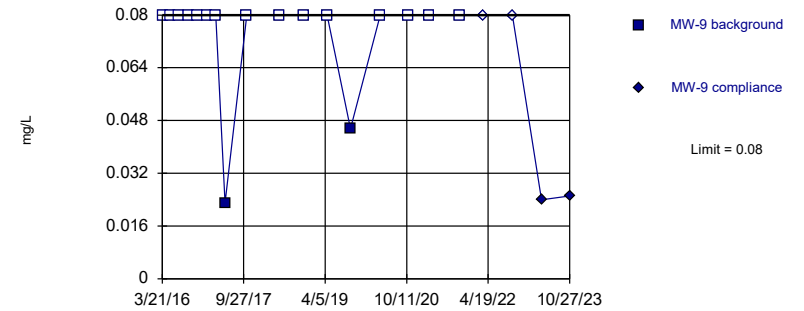


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

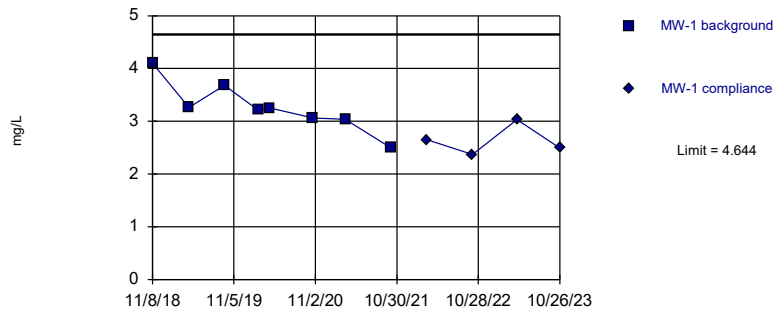


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

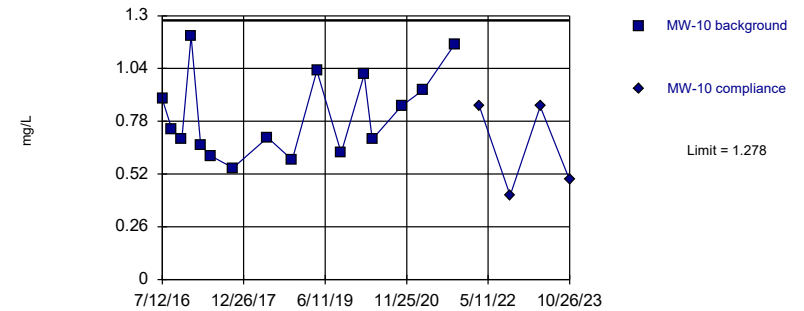


Background Data Summary: Mean=3.261, Std. Dev.=0.473, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.749. Kappa = 2.923 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

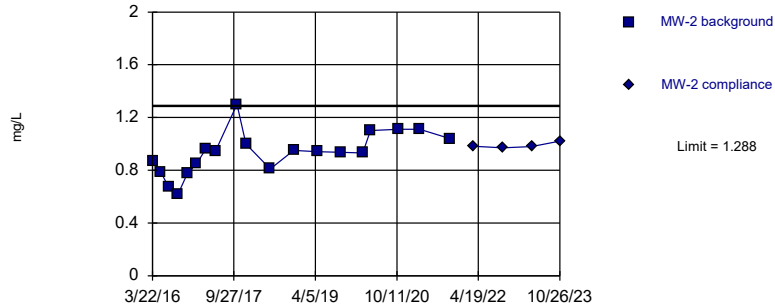


Background Data Summary: Mean=0.8085, Std. Dev.=0.2075, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9117, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

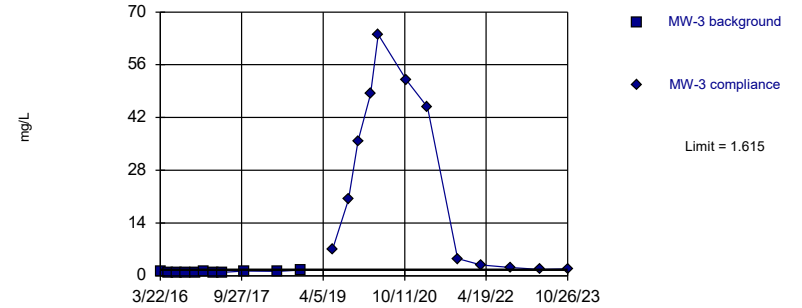


Background Data Summary: Mean=0.932, Std. Dev.=0.1632, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9763, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

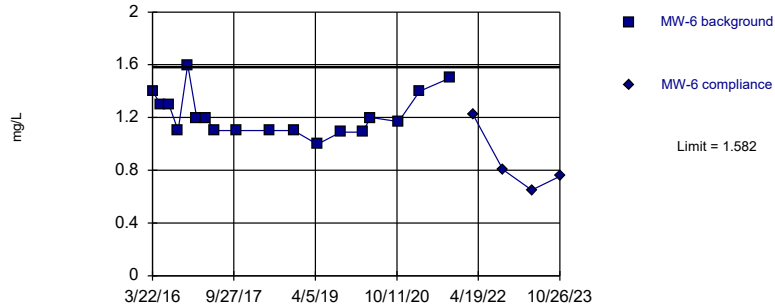
Exceeds Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

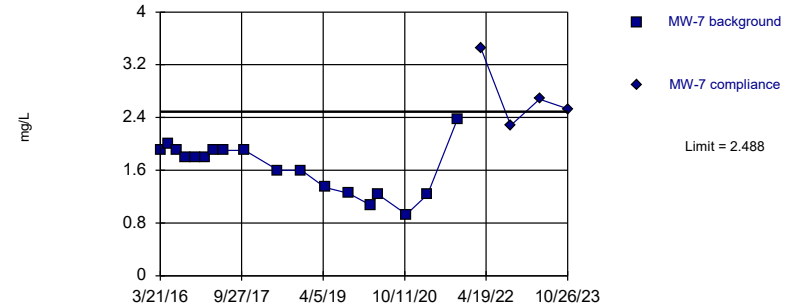


Background Data Summary: Mean=1.219, Std. Dev.=0.1643, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8836, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

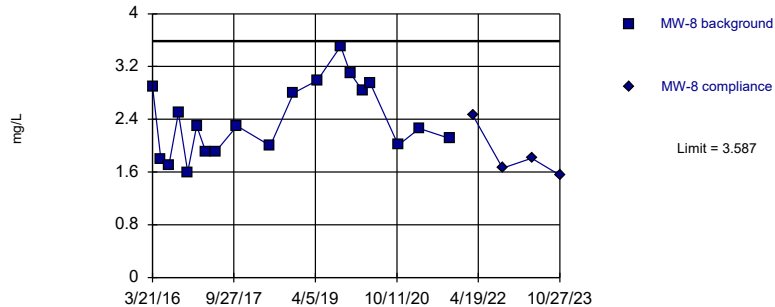


Background Data Summary: Mean=1.641, Std. Dev.=0.3837, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.927, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

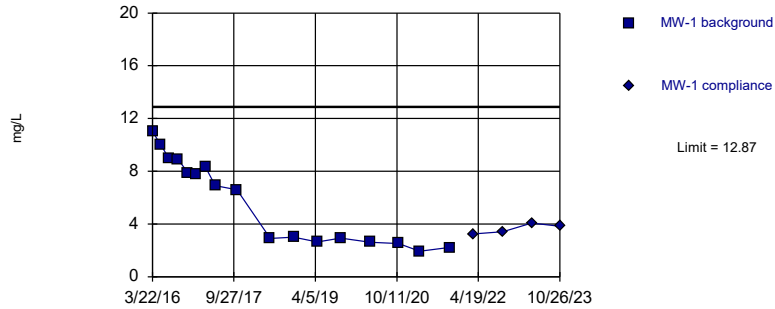
Within Limit

Prediction Limit  
Intrawell Parametric



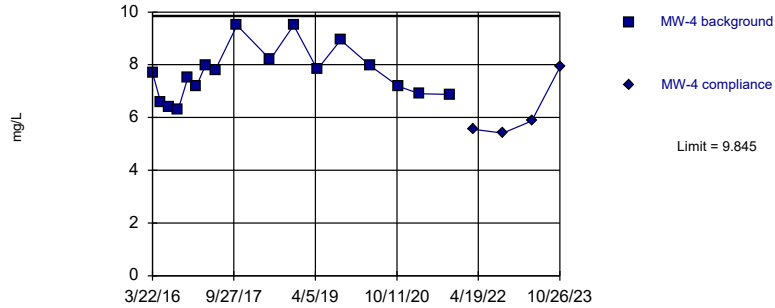
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

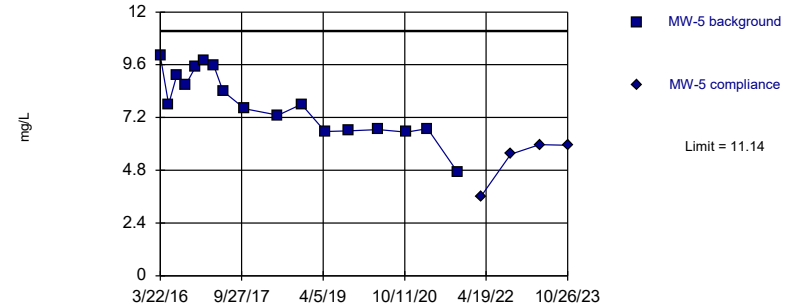


Background Data Summary: Mean=7.669, Std. Dev.=0.9736, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9376, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

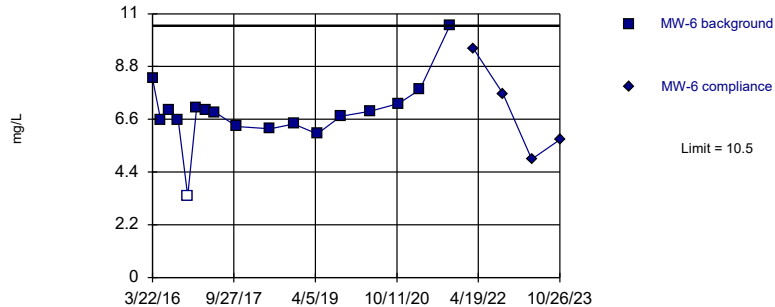


Background Data Summary: Mean=7.845, Std. Dev.=1.472, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

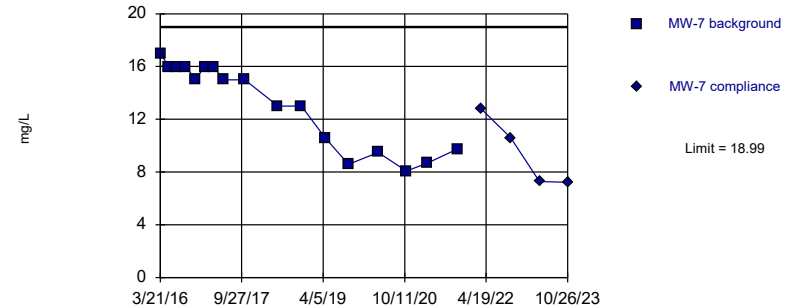


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chloride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

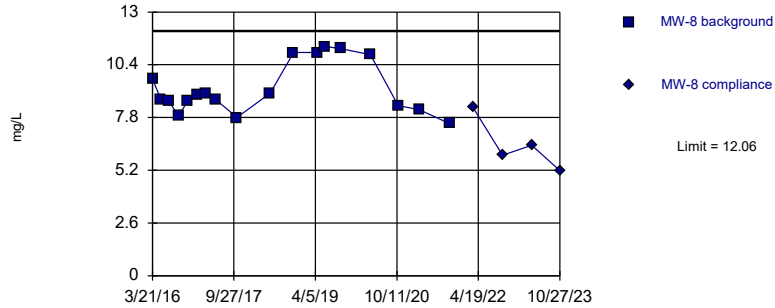


Background Data Summary (based on square transformation): Mean=182, Std. Dev.=79.97, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8578, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

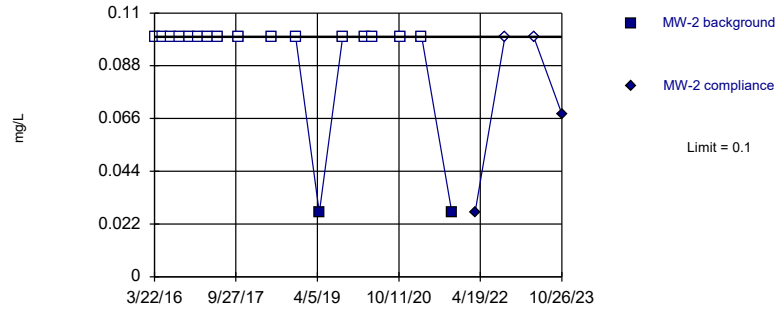
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Non-parametric

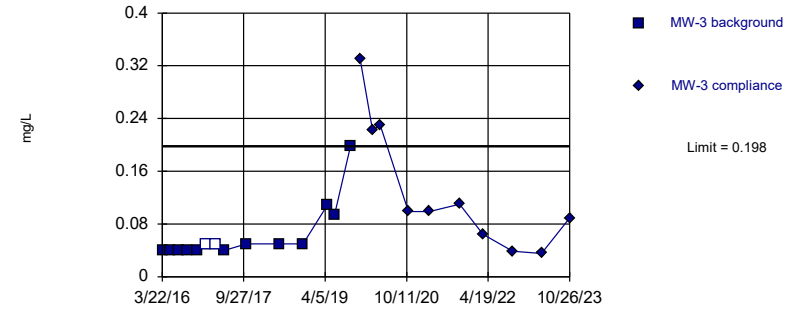


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

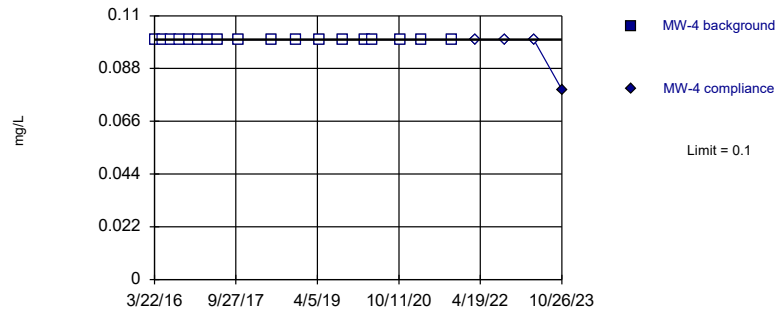


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 14.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Fluoride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

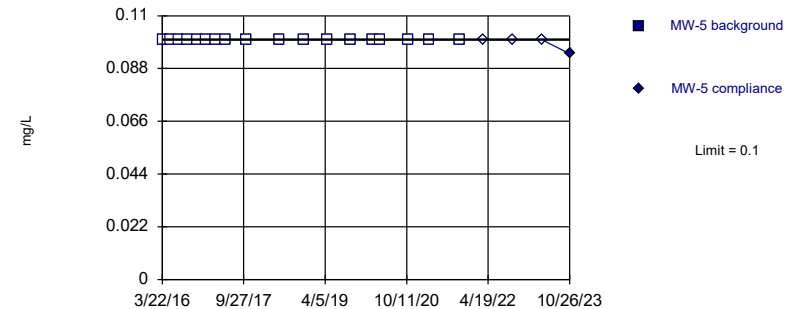


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

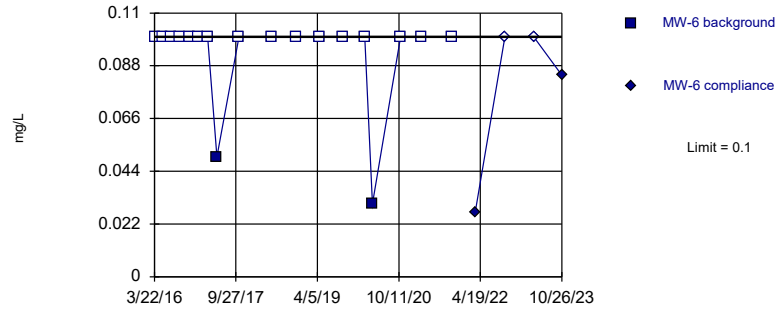


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

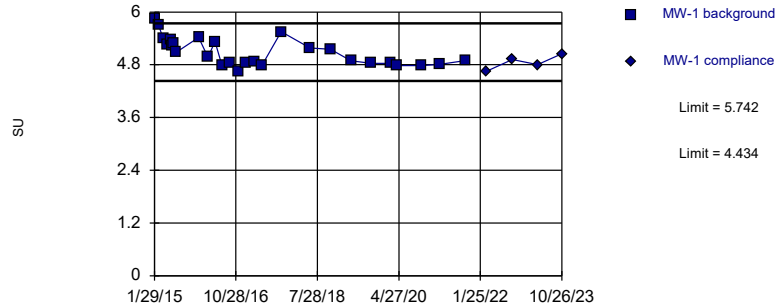
Prediction Limit  
Intrawell Non-parametric





Within Limits

Prediction Limit  
Intrawell Parametric

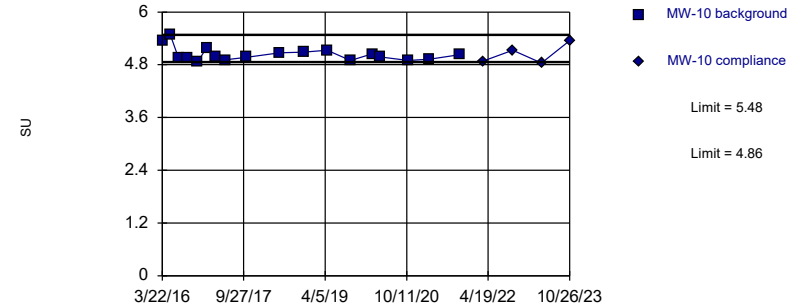


Background Data Summary: Mean=5.088, Std. Dev.=0.3167, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

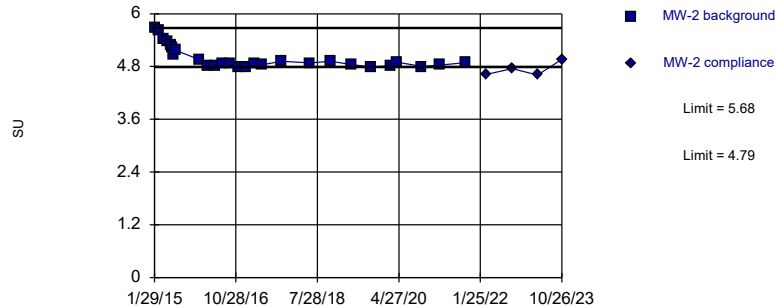


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

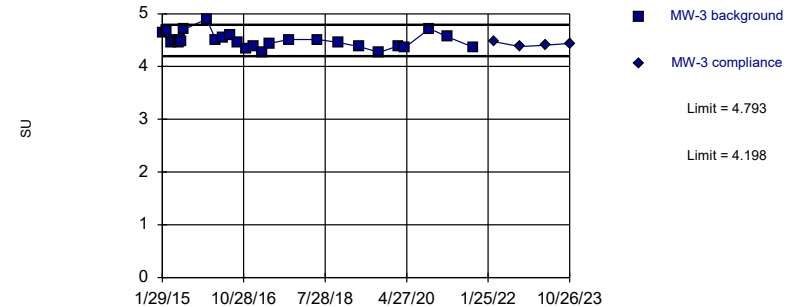


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 27 background values. Well-constituent pair annual alpha = 0.009996. Individual comparison alpha = 0.005004 (1 of 2).

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

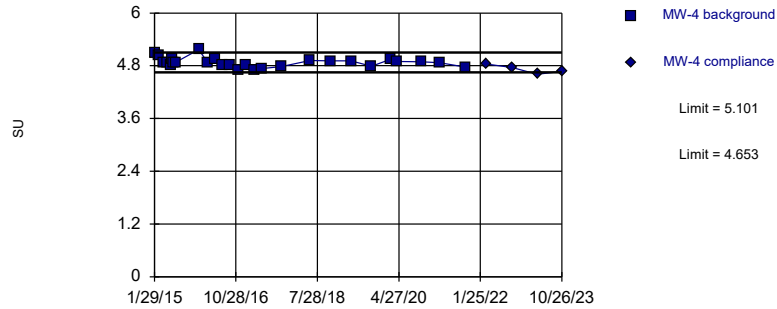


Background Data Summary: Mean=4.495, Std. Dev.=0.1441, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.95, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

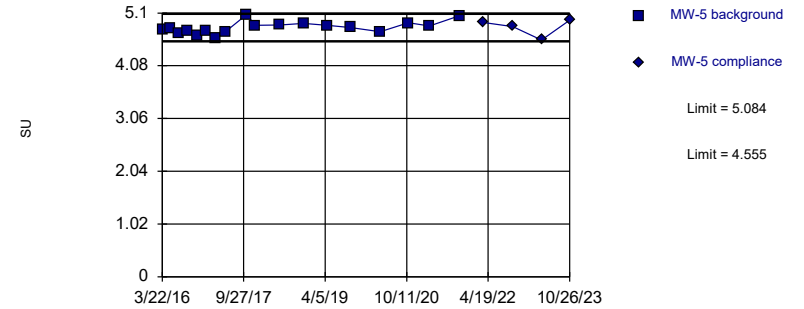


Background Data Summary: Mean=4.877, Std. Dev.=0.1084, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9473, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

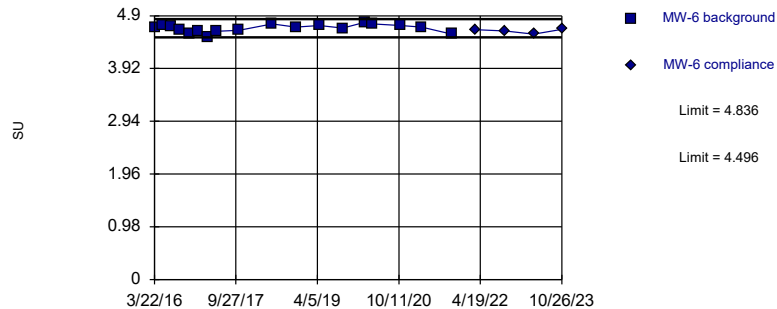


Background Data Summary: Mean=4.819, Std. Dev.=0.1199, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

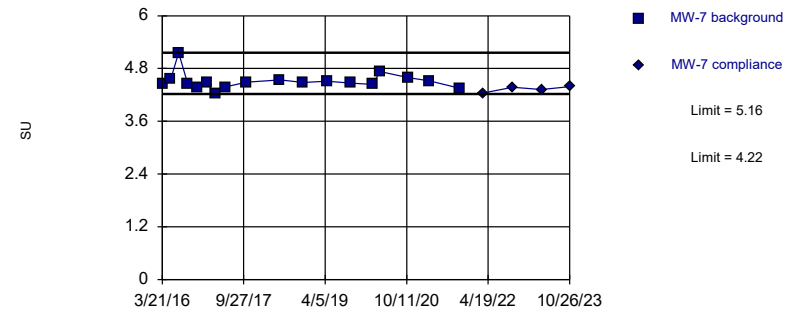


Background Data Summary: Mean=4.666, Std. Dev.=0.07694, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9541, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Non-parametric

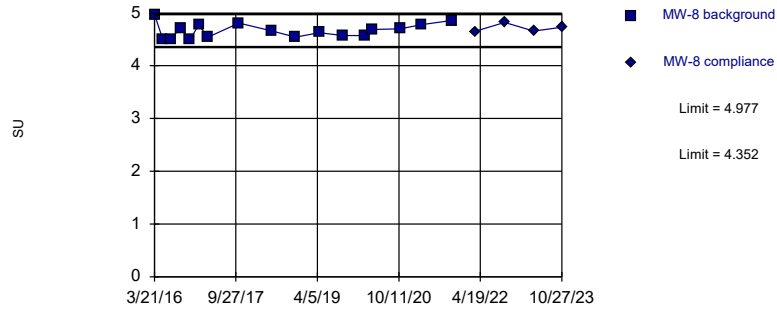


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

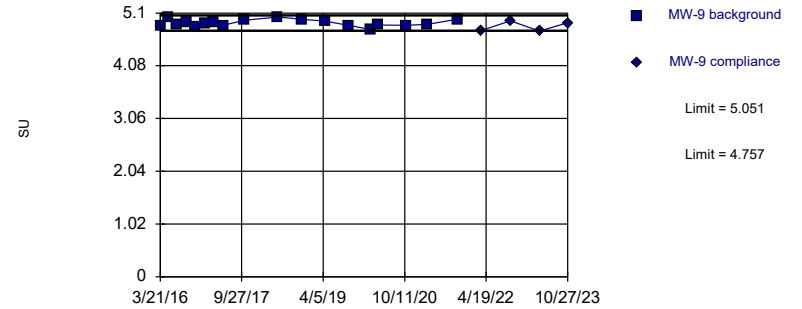


Background Data Summary: Mean=4.665, Std. Dev.=0.1398, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit  
Intrawell Parametric

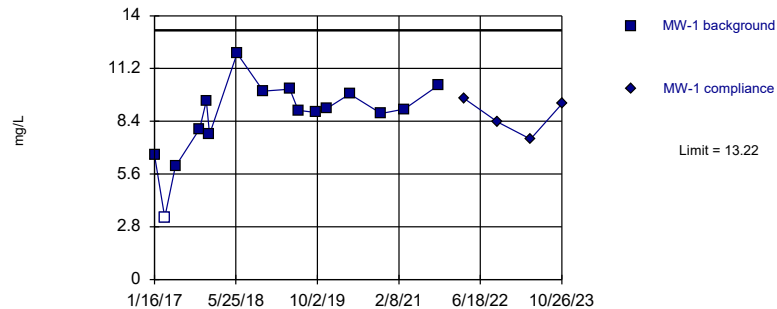


Background Data Summary: Mean=4.904, Std. Dev.=0.06661, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

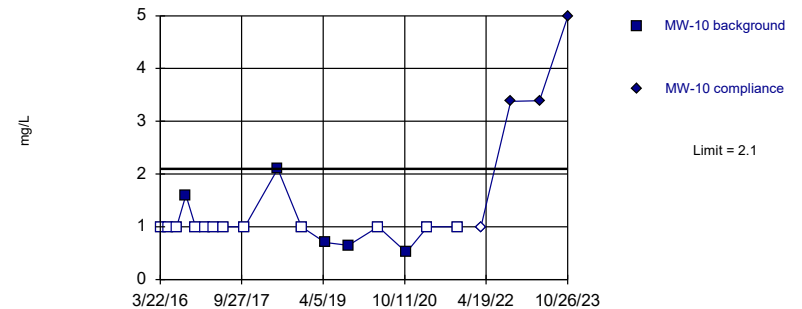


Background Data Summary: Mean=8.634, Std. Dev.=2.028, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9092, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

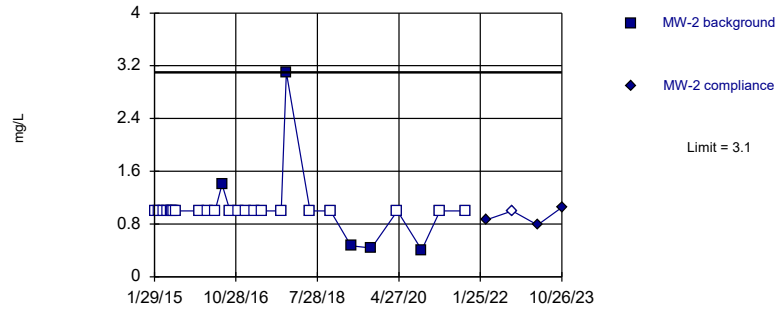


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

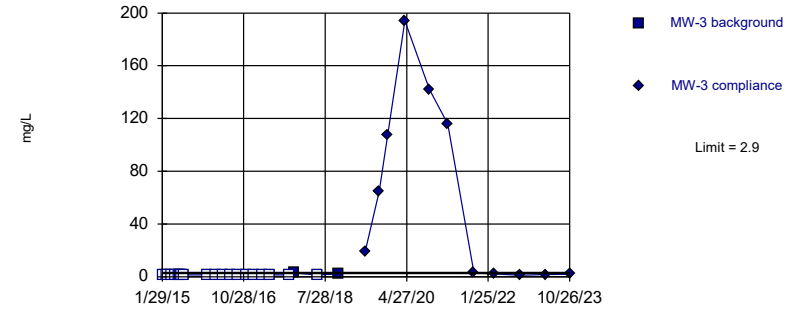


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

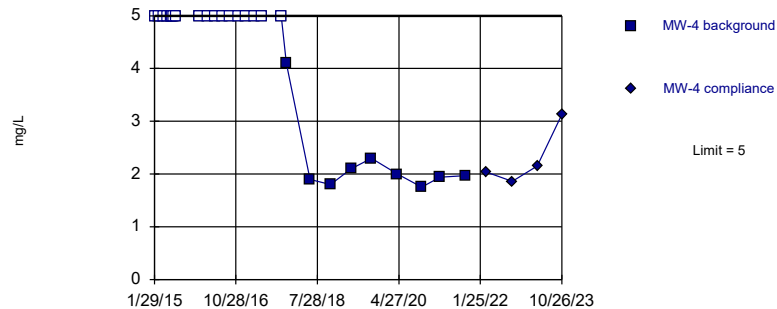


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Sulfate Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

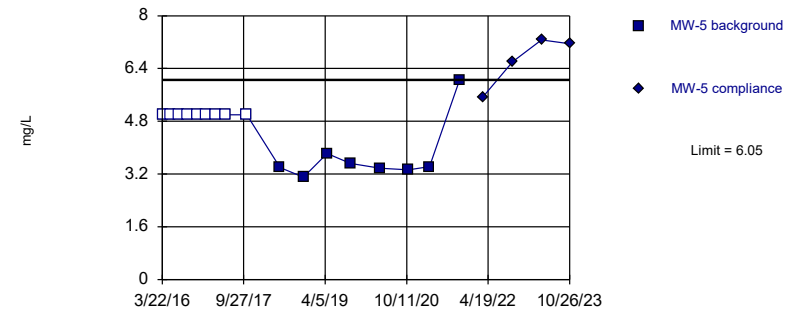


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

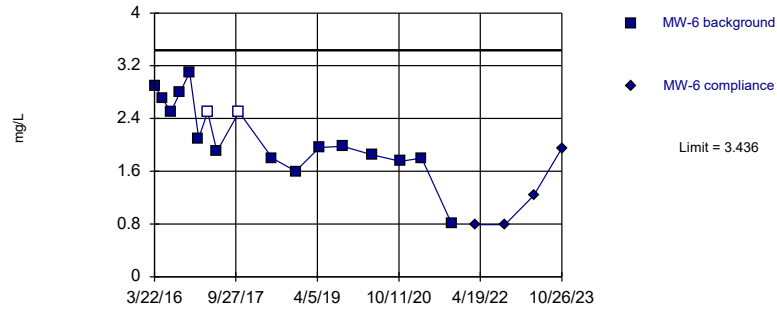


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Parametric

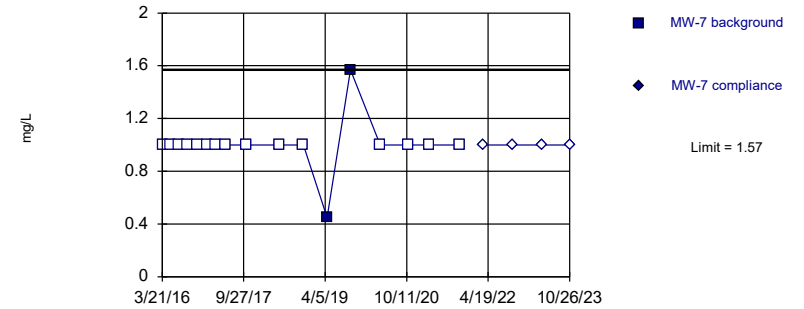


Background Data Summary: Mean=2.15, Std. Dev.=0.5757, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9464, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/1/2023 11:30 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

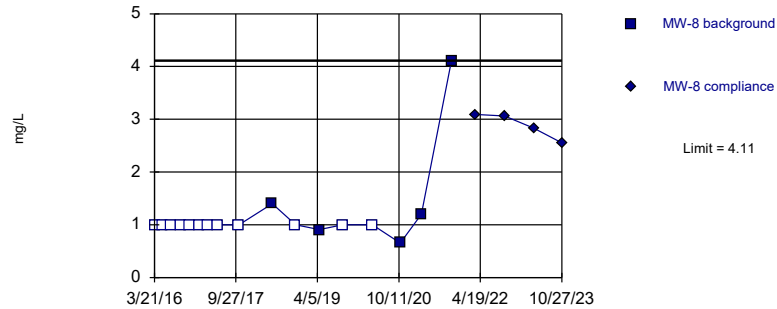


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
Intrawell Non-parametric

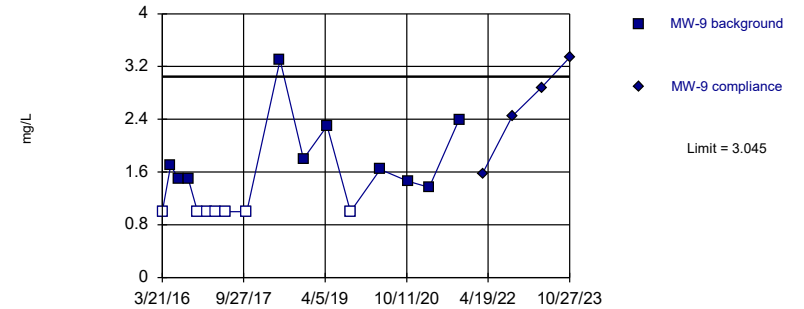


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit  
Intrawell Parametric

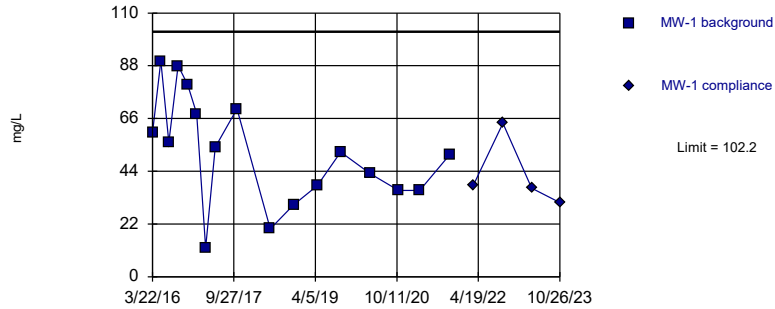


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.127, Std. Dev.=0.1444, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8517, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Parametric

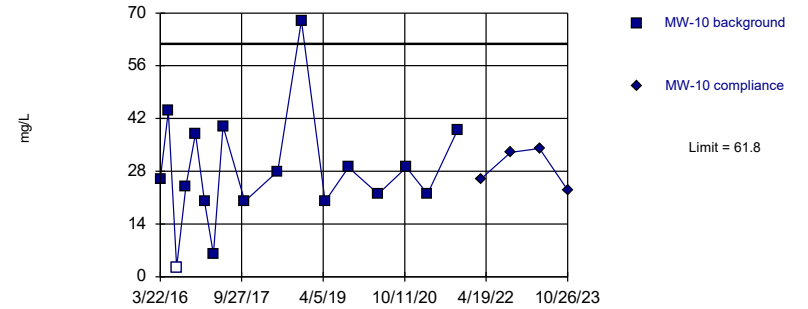


Background Data Summary: Mean=52, Std. Dev.=22.48, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9759, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Parametric

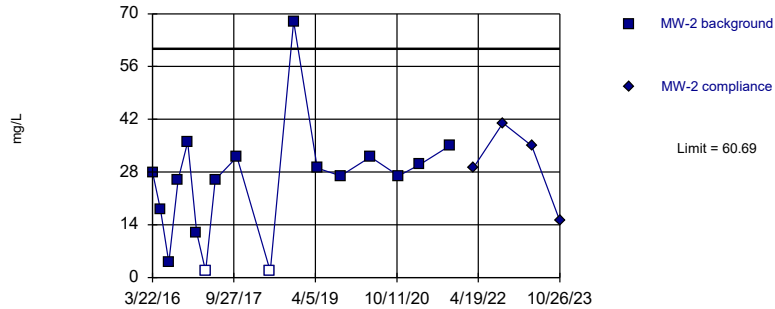


Background Data Summary: Mean=28.09, Std. Dev.=15.09, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9241, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

### Prediction Limit Intrawell Parametric

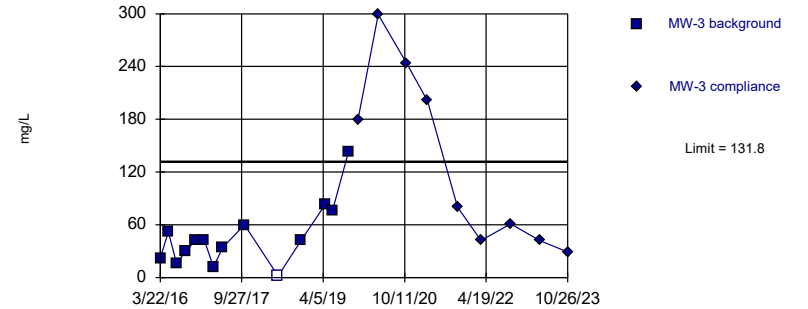


Background Data Summary: Mean=25.49, Std. Dev.=15.75, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8725, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

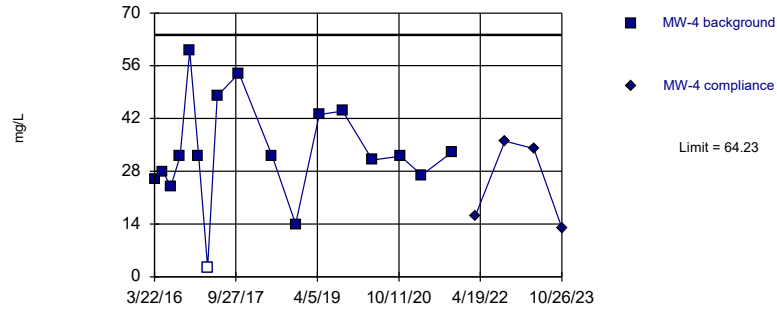
### Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit

Intrawell Parametric



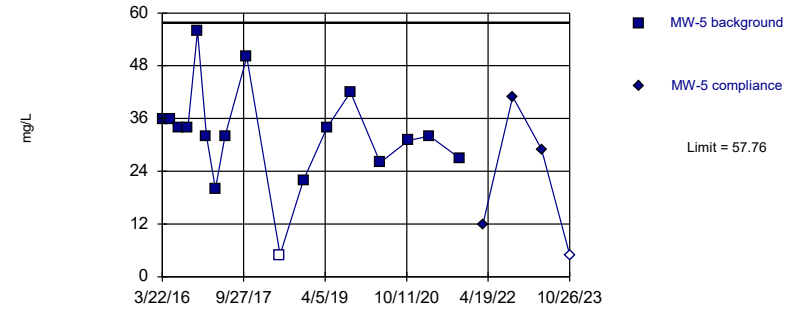
Background Data Summary: Mean=33.09, Std. Dev.=13.93, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9527, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Parametric



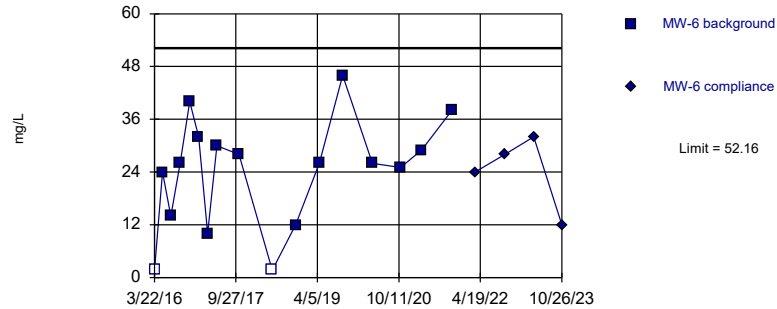
Background Data Summary: Mean=32.29, Std. Dev.=11.39, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.938, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Parametric



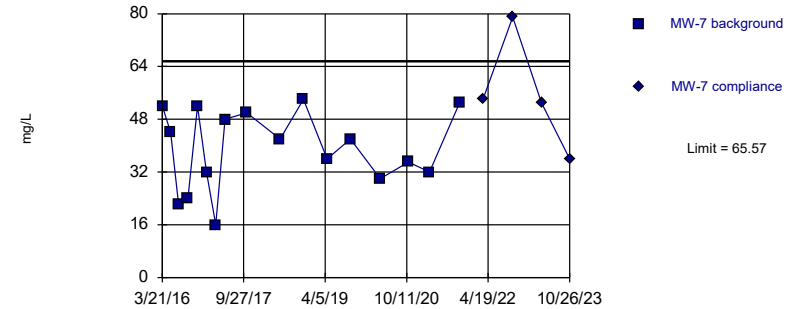
Background Data Summary: Mean=24.08, Std. Dev.=12.56, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Parametric

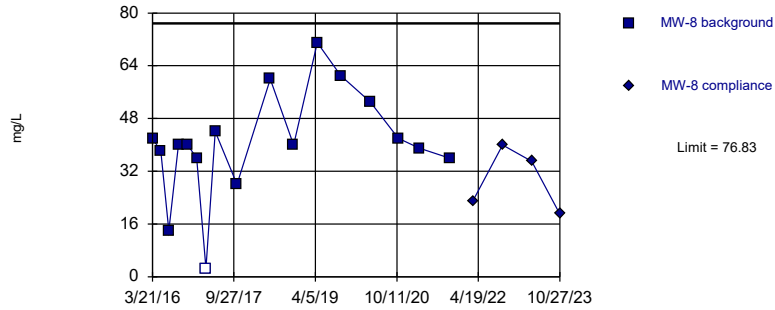


Background Data Summary: Mean=39.06, Std. Dev.=11.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9358, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
 Intrawell Parametric

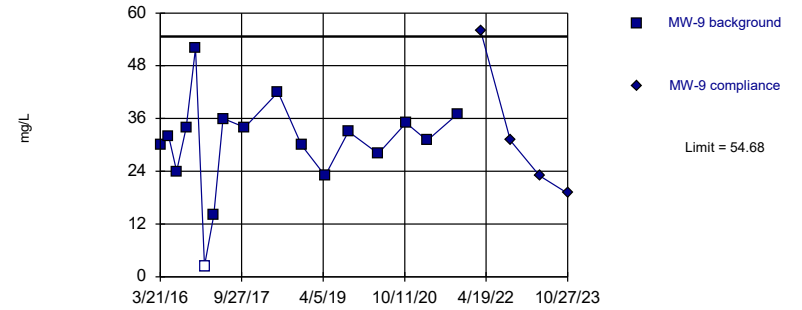


Background Data Summary: Mean=40.38, Std. Dev.=16.31, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit  
 Intrawell Parametric



Background Data Summary: Mean=30.44, Std. Dev.=10.85, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9182, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/1/2023 11:31 AM View: Intrawell PL  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	<0.08	
5/17/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	0.055	
11/17/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	0.027 (J)	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	0.0603 (J)	
3/14/2022		<0.08
10/3/2022		<0.08
4/18/2023		0.0647 (J)
10/26/2023		0.11

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	<0.08	
5/16/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	<0.08	
11/17/2016	<0.08	
1/17/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	0.027 (J)	
10/18/2017	0.022 (J)	
6/1/2018	0.022 (J)	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.046 (J)	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/14/2022		<0.08
10/3/2022		<0.08
4/18/2023		0.0299 (J)
10/26/2023		0.0372 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/13/2016	0.03 (J)	
11/17/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	0.0654 (J)	
3/15/2021	<0.08	
10/6/2021	0.0634 (J)	
3/14/2022		<0.08
10/3/2022		0.0788 (J)
4/18/2023		0.0472 (J)
10/26/2023		0.0521 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/12/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/22/2017	<0.08	
10/17/2017	<0.08	
6/2/2018	<0.08	
11/7/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.0677	
11/29/2019	0.123	
4/14/2020	0.102	
10/23/2020	0.137	
3/15/2021	0.15	
10/6/2021	0.0481 (J)	
3/14/2022		<0.08
10/3/2022		<0.08
4/17/2023		0.046 (J)
10/26/2023		0.0424 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	<0.08	
5/16/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/14/2022		<0.08
10/4/2022		<0.08
4/17/2023		0.0342 (J)
10/26/2023		0.0285 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	<0.08	
5/17/2016	<0.08	
7/12/2016	<0.08	
9/13/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/15/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/15/2022		<0.08
10/4/2022		<0.08
4/18/2023		0.0362 (J)
10/26/2023		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/12/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/22/2017	<0.08	
10/18/2017	<0.08	
6/2/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	<0.08	
4/14/2020	<0.08	
10/23/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/15/2022		<0.08
10/4/2022		<0.08
4/18/2023		0.0289 (J)
10/26/2023		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/12/2016	<0.08	
11/16/2016	<0.08	
1/16/2017	<0.08	
3/20/2017	<0.08	
5/22/2017	<0.08	
10/18/2017	<0.08	
6/1/2018	<0.08	
11/7/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.063	
11/29/2019	0.0432 (J)	
4/14/2020	<0.08	
10/22/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/15/2022		<0.08
10/3/2022		<0.08
4/18/2023		<0.08
10/26/2023		<0.08



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	<0.08	
5/17/2016	<0.08	
7/11/2016	<0.08	
9/13/2016	<0.08	
11/17/2016	<0.08	
1/17/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	<0.08	
10/18/2017	<0.08	
6/1/2018	<0.08	
11/7/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.0484 (J)	
4/15/2020	<0.08	
10/22/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/14/2022		<0.08
10/3/2022		<0.08
4/18/2023		<0.08
10/27/2023		<0.08

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	<0.08	
5/16/2016	<0.08	
7/11/2016	<0.08	
9/13/2016	<0.08	
11/17/2016	<0.08	
1/17/2017	<0.08	
3/20/2017	<0.08	
5/23/2017	0.023 (J)	
10/18/2017	<0.08	
6/1/2018	<0.08	
11/8/2018	<0.08	
4/19/2019	<0.08	
9/25/2019	0.0455 (J)	
4/15/2020	<0.08	
10/22/2020	<0.08	
3/15/2021	<0.08	
10/6/2021	<0.08	
3/14/2022		<0.08
10/3/2022		<0.08
4/18/2023		0.024 (J)
10/27/2023		0.0251 (J)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	6.6	
5/17/2016	7.4	
7/12/2016	5	
9/13/2016	5.5	
11/17/2016	4.8	
1/16/2017	5	
3/20/2017	5.3	
5/23/2017	5	
10/18/2017	7.6	
6/2/2018	4.5	
11/8/2018	4.1	
4/19/2019	3.26	
9/25/2019	3.68	
2/22/2020	3.21	
4/15/2020	3.25	
10/23/2020	3.06	
3/15/2021	3.04	
10/6/2021	2.49	
3/14/2022		2.65
10/3/2022		2.37
4/18/2023		3.03
10/26/2023		2.49

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	2.7 (o)	
5/16/2016	2.9 (o)	
7/12/2016	0.89	
9/13/2016	0.74	
11/17/2016	0.69	
1/17/2017	1.2	
3/20/2017	0.66	
5/23/2017	0.61	
10/18/2017	0.55	
6/1/2018	0.7	
11/8/2018	0.59	
4/19/2019	1.03	
9/25/2019	0.625	
2/21/2020	1.01	
4/15/2020	0.69	
10/23/2020	0.856	
3/15/2021	0.935	
10/6/2021	1.16	
3/14/2022		0.857
10/3/2022		0.415 (J)
4/18/2023		0.853
10/26/2023		0.491 (J)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	0.87	
5/16/2016	0.79	
7/11/2016	0.67	
9/13/2016	0.62	
11/17/2016	0.78	
1/16/2017	0.85	
3/20/2017	0.96	
5/23/2017	0.94	
10/18/2017	1.3	
12/19/2017	1 (RS)	
6/2/2018	0.81	
11/8/2018	0.95	
4/19/2019	0.942	
9/25/2019	0.935	
2/21/2020	0.931	
4/15/2020	1.1	
10/23/2020	1.11	
3/15/2021	1.11	
10/6/2021	1.04	
3/14/2022		0.982
10/3/2022		0.969
4/18/2023		0.98
10/26/2023		1.02

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	1.2	
5/16/2016	0.92	
7/11/2016	0.78	
9/12/2016	0.94	
11/16/2016	0.81	
1/16/2017	1	
3/20/2017	0.92	
5/22/2017	0.91	
10/17/2017	1.3	
6/2/2018	1.2	
11/7/2018	1.5	
4/19/2019	6.3 (o)	
6/7/2019		6.91
9/25/2019		20.2
11/29/2019		35.8
2/22/2020		48.2
4/14/2020		64
10/23/2020		52
3/15/2021		44.7
10/6/2021		4.54
3/14/2022		2.87
10/3/2022		2.19
4/17/2023		1.66
10/26/2023		1.84

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	1.6	
5/16/2016	1.9	
7/12/2016	1.5	
9/13/2016	1.4	
11/16/2016	1.5	
1/16/2017	1.6	
3/20/2017	1.7	
5/23/2017	1.8	
10/18/2017	2.1	
6/2/2018	2	
11/8/2018	2.2	
4/19/2019	1.88	
9/25/2019	2.18	
2/22/2020	1.94	
4/15/2020	1.96	
10/23/2020	1.82	
3/15/2021	1.84	
10/6/2021	1.22	
3/14/2022		0.873
10/4/2022		0.755
4/17/2023		0.894
10/26/2023		1.13

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	2.1	
5/17/2016	1.6	
7/12/2016	2.1	
9/13/2016	2	
11/16/2016	2.3	
1/16/2017	2	
3/20/2017	2.1	
5/23/2017	1.9	
10/18/2017	2.3	
6/2/2018	1.8	
11/8/2018	1.9	
4/19/2019	1.7	
9/25/2019	1.85	
2/22/2020	1.87	
4/15/2020	1.97	
10/23/2020	1.75	
3/15/2021	1.79	
10/6/2021	1.34	
3/15/2022		1.7
10/4/2022		1.78
4/18/2023		2.34
10/26/2023		1.91



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	1.4	
5/16/2016	1.3	
7/11/2016	1.3	
9/12/2016	1.1	
11/16/2016	1.6	
1/16/2017	1.2	
3/20/2017	1.2	
5/22/2017	1.1	
10/18/2017	1.1	
6/2/2018	1.1	
11/8/2018	1.1	
4/19/2019	0.998	
9/25/2019	1.09	
2/22/2020	1.09	
4/14/2020	1.2	
10/23/2020	1.17	
3/15/2021	1.4	
10/6/2021	1.5	
3/15/2022		1.22
10/4/2022		0.804
4/18/2023		0.649
10/26/2023		0.754

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	1.9	
5/16/2016	2	
7/11/2016	1.9	
9/12/2016	1.8	
11/16/2016	1.8	
1/16/2017	1.8	
3/20/2017	1.9	
5/22/2017	1.9	
10/18/2017	1.9	
6/1/2018	1.6	
11/7/2018	1.6	
4/19/2019	1.34	
9/25/2019	1.25	
2/21/2020	1.07	
4/14/2020	1.23	
10/22/2020	0.93	
3/15/2021	1.23	
10/6/2021	2.38	
3/15/2022		3.45
10/3/2022		2.28
4/18/2023		2.68
10/26/2023		2.53

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	2.9	
5/17/2016	1.8	
7/11/2016	1.7	
9/13/2016	2.5	
11/17/2016	1.6	
1/17/2017	2.3	
3/20/2017	1.9	
5/23/2017	1.9	
10/18/2017	2.3	
6/1/2018	2	
11/7/2018	2.8	
4/19/2019	2.99	
9/25/2019	3.51	
11/29/2019	3.1	
2/21/2020	2.83	
4/15/2020	2.94	
10/22/2020	2.01	
3/15/2021	2.26	
10/6/2021	2.11	
3/14/2022		2.46
10/3/2022		1.66
4/18/2023		1.81
10/27/2023		1.55

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	0.94	
5/16/2016	0.85	
7/11/2016	0.82	
9/13/2016	0.94	
11/17/2016	0.85	
1/17/2017	0.83	
3/20/2017	0.84	
5/23/2017	0.96	
10/18/2017	1.2	
12/19/2017	1.1 (RS)	
6/1/2018	0.98	
11/8/2018	0.93	
4/19/2019	1	
9/25/2019	1.06	
2/21/2020	0.966	
4/15/2020	1.22	
10/22/2020	0.988	
3/15/2021	1.26	
10/6/2021	0.748	
3/14/2022		0.609
10/3/2022		0.581
4/18/2023		0.757
10/27/2023		0.965

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	11	
5/17/2016	10	
7/12/2016	9	
9/13/2016	8.9	
11/17/2016	7.9	
1/16/2017	7.8	
3/20/2017	8.3	
5/23/2017	6.9	
10/18/2017	6.6	
6/2/2018	2.9	
11/8/2018	3	
4/19/2019	2.65	
9/25/2019	2.93	
4/15/2020	2.61	
10/23/2020	2.53	
3/15/2021	1.93	
10/6/2021	2.22	
3/14/2022		3.24
10/3/2022		3.41
4/18/2023		4.07
10/26/2023		3.82

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	5.2	
5/16/2016	5.5	
7/12/2016	6.2	
9/13/2016	5	
11/17/2016	<6.3	
1/17/2017	5.3	
3/20/2017	5.6	
5/23/2017	5.5	
10/18/2017	4	
6/1/2018	4	
11/8/2018	4.6	
4/19/2019	4.41	
9/25/2019	4.69	
4/15/2020	5.24	
10/23/2020	5.9	
3/15/2021	6.57	
10/6/2021	8.86	
3/14/2022		7.95
10/3/2022		4.7
4/18/2023		3.91
10/26/2023		5.14

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	7.6	
5/16/2016	7.2	
7/11/2016	6.4	
9/13/2016	6.8	
11/17/2016	7.9	
1/16/2017	7.9	
3/20/2017	8.7	
5/23/2017	8.3	
10/18/2017	8.6	
6/2/2018	6.8	
11/8/2018	8.4	
4/19/2019	8.38	
9/25/2019	8.26	
4/15/2020	8.84	
10/23/2020	9.06	
3/15/2021	8.99	
10/6/2021	10.4	
3/14/2022		9.54
10/3/2022		9.85
4/18/2023		8.09
10/26/2023		8.66

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	11	
5/16/2016	10	
7/11/2016	11	
9/12/2016	10	
11/16/2016	10	
1/16/2017	9.9	
3/20/2017	11	
5/22/2017	10	
10/17/2017	9.8	
6/2/2018	8.8	
11/7/2018	25 (o)	
4/19/2019	9.34	
9/25/2019	9.57	
4/14/2020	8.55	
10/23/2020	8.62	
3/15/2021	8.83	
10/6/2021	11.1	
3/14/2022		10.4
10/3/2022		12.3
4/17/2023		8.55
10/26/2023		9.28



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	7.7	
5/16/2016	6.6	
7/12/2016	6.4	
9/13/2016	6.3	
11/16/2016	7.5	
1/16/2017	7.2	
3/20/2017	8	
5/23/2017	7.8	
10/18/2017	9.5	
6/2/2018	8.2	
11/8/2018	9.5	
4/19/2019	7.82	
9/25/2019	8.94	
4/15/2020	7.96	
10/23/2020	7.18	
3/15/2021	6.9	
10/6/2021	6.88	
3/14/2022		5.55
10/4/2022		5.41
4/17/2023		5.87
10/26/2023		7.91

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	10	
5/17/2016	7.8	
7/12/2016	9.1	
9/13/2016	8.7	
11/16/2016	9.5	
1/16/2017	9.8	
3/20/2017	9.6	
5/23/2017	8.4	
10/18/2017	7.6	
6/2/2018	7.3	
11/8/2018	7.8	
4/19/2019	6.57	
9/25/2019	6.59	
4/15/2020	6.65	
10/23/2020	6.54	
3/15/2021	6.69	
10/6/2021	4.72	
3/15/2022		3.61
10/4/2022		5.53
4/18/2023		5.97
10/26/2023		5.94

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	8.3	
5/16/2016	6.6	
7/11/2016	7	
9/12/2016	6.6	
11/16/2016	<6.8	
1/16/2017	7.1	
3/20/2017	7	
5/22/2017	6.9	
10/18/2017	6.3	
6/2/2018	6.2	
11/8/2018	6.4	
4/19/2019	5.99	
9/25/2019	6.72	
4/14/2020	6.94	
10/23/2020	7.26	
3/15/2021	7.83	
10/6/2021	10.5	
3/15/2022		9.56
10/4/2022		7.67
4/18/2023		4.93
10/26/2023		5.75

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	17	
5/16/2016	16	
7/11/2016	16	
9/12/2016	16	
11/16/2016	15	
1/16/2017	16	
3/20/2017	16	
5/22/2017	15	
10/18/2017	15	
6/1/2018	13	
11/7/2018	13	
4/19/2019	10.6	
9/25/2019	8.59	
4/14/2020	9.49	
10/22/2020	8.07	
3/15/2021	8.68	
10/6/2021	9.75	
3/15/2022		12.8
10/3/2022		10.6
4/18/2023		7.27
10/26/2023		7.22

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	9.7	
5/17/2016	8.7	
7/11/2016	8.6	
9/13/2016	7.9	
11/17/2016	8.6	
1/17/2017	8.9	
3/20/2017	9	
5/23/2017	8.7	
10/18/2017	7.8	
6/1/2018	9	
11/7/2018	11	
4/19/2019	11	
6/7/2019	11.3	
9/25/2019	11.2	
4/15/2020	10.9	
10/22/2020	8.39	
3/15/2021	8.19	
10/6/2021	7.5	
3/14/2022		8.31
10/3/2022		5.95
4/18/2023		6.43
10/27/2023		5.18

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	7.1	
5/16/2016	6.4	
7/11/2016	7.1	
9/13/2016	6.6	
11/17/2016	7.9	
1/17/2017	7.8	
3/20/2017	7	
5/23/2017	8	
10/18/2017	7	
6/1/2018	6.9	
11/8/2018	7.1	
4/19/2019	7.55	
9/25/2019	13.2	
11/29/2019	8.42	
4/15/2020	8.78	
10/22/2020	8.11	
3/15/2021	9.27	
10/6/2021	8.56	
3/14/2022		4.03
10/3/2022		6.96
4/18/2023		5.44
10/27/2023		7.39

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	0.04 (J)	
5/17/2016	0.04 (J)	
7/12/2016	0.04 (J)	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	0.04 (J)	
10/18/2017	0.04 (J)	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1
10/26/2023		0.0601 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	<0.1	
5/16/2016	<0.1	
7/12/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/17/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.0267 (J)	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1
10/26/2023		<0.1



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	<0.1	
5/16/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	0.0267 (J)	
9/25/2019	<0.1	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	0.0269 (J)	
3/14/2022		0.0271 (J)
10/3/2022		<0.1
4/18/2023		<0.1
10/26/2023		0.0679 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	0.04 (J)	
5/16/2016	0.04 (J)	
7/11/2016	0.04 (J)	
9/12/2016	0.04 (J)	
11/16/2016	0.04 (J)	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/22/2017	0.04 (J)	
10/17/2017	0.05 (J)	
6/2/2018	0.05 (J)	
11/7/2018	0.05 (J)	
4/19/2019	0.108	
6/7/2019	0.0937 (J)	
9/25/2019	0.198	
11/29/2019		0.331
2/22/2020		0.222
4/14/2020		0.23
10/23/2020		0.0988 (J)
3/15/2021		0.0991 (J)
10/6/2021		0.11
3/14/2022		0.0643 (J)
10/3/2022		0.0388 (J)
4/17/2023		0.0355 (J)
10/26/2023		0.0891 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	<0.1	
5/16/2016	<0.1	
7/12/2016	<0.1	
9/13/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/4/2022		<0.1
4/17/2023		<0.1
10/26/2023		0.0792 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	<0.1	
5/17/2016	<0.1	
7/12/2016	<0.1	
9/13/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/15/2020	<0.1	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/15/2022		<0.1
10/4/2022		<0.1
4/18/2023		<0.1
10/26/2023		0.0942 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	<0.1	
5/16/2016	<0.1	
7/11/2016	<0.1	
9/12/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/22/2017	0.05 (J)	
10/18/2017	<0.1	
6/2/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/22/2020	<0.1	
4/14/2020	0.0304 (J)	
10/23/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/15/2022		0.0268 (J)
10/4/2022		<0.1
4/18/2023		<0.1
10/26/2023		0.084 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	<0.1	
5/16/2016	0.04 (J)	
7/11/2016	0.04 (J)	
9/12/2016	<0.1	
11/16/2016	<0.1	
1/16/2017	<0.1	
3/20/2017	<0.1	
5/22/2017	0.04 (J)	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	<0.1	
2/21/2020	<0.1	
4/14/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	0.027 (J)	
10/6/2021	0.0317 (J)	
3/15/2022		0.0609 (J)
10/3/2022		0.032 (J)
4/18/2023		0.0348 (J)
10/26/2023		0.0398 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	<0.1	
5/17/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/17/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/7/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.0277 (J)	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	0.0458 (J)	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1
10/27/2023		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	<0.1	
5/16/2016	<0.1	
7/11/2016	<0.1	
9/13/2016	<0.1	
11/17/2016	<0.1	
1/17/2017	<0.1	
3/20/2017	<0.1	
5/23/2017	<0.1	
10/18/2017	<0.1	
6/1/2018	<0.1	
11/8/2018	<0.1	
4/19/2019	<0.1	
9/25/2019	0.0313 (J)	
2/21/2020	<0.1	
4/15/2020	<0.1	
10/22/2020	<0.1	
3/15/2021	<0.1	
10/6/2021	<0.1	
3/14/2022		<0.1
10/3/2022		<0.1
4/18/2023		<0.1
10/27/2023		0.0267 (J)



# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
1/29/2015	5.84	
3/3/2015	5.7	
4/7/2015	5.39	
5/14/2015	5.26	
6/3/2015	5.37	
6/18/2015	5.23	
6/30/2015	5.28	
7/15/2015	5.08	
1/11/2016	5.42	
3/22/2016	4.97	
5/17/2016	5.33	
7/12/2016	4.78	
9/13/2016	4.83	
11/17/2016	4.66	
1/16/2017	4.85	
3/20/2017	4.88	
5/23/2017	4.8	
10/18/2017	5.55	
6/2/2018	5.18	
11/8/2018	5.15	
4/19/2019	4.89	
9/25/2019	4.83	
2/22/2020	4.83	
4/15/2020	4.78	
10/23/2020	4.78	
3/15/2021	4.81	
10/6/2021	4.9	
3/14/2022		4.65
10/3/2022		4.92
4/18/2023		4.8
10/26/2023		5.05

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	5.34	
5/16/2016	5.48	
7/12/2016	4.95	
9/13/2016	4.95	
11/17/2016	4.86	
1/17/2017	5.18	
3/20/2017	4.97	
5/23/2017	4.91	
10/18/2017	4.97	
6/1/2018	5.07	
11/8/2018	5.09	
4/19/2019	5.13	
9/25/2019	4.9	
2/21/2020	5.05	
4/15/2020	4.98	
10/23/2020	4.9	
3/15/2021	4.93	
10/6/2021	5.03	
3/14/2022		4.88
10/3/2022		5.13
4/18/2023		4.84
10/26/2023		5.35

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-2	MW-2
1/29/2015	5.68	
3/3/2015	5.61	
4/7/2015	5.43	
5/14/2015	5.37	
6/3/2015	5.29	
6/18/2015	5.22	
6/30/2015	5.07	
7/15/2015	5.17	
1/11/2016	4.96	
3/22/2016	4.81	
5/16/2016	4.82	
7/11/2016	4.88	
9/13/2016	4.86	
11/17/2016	4.79	
1/16/2017	4.79	
3/20/2017	4.87	
5/23/2017	4.84	
10/18/2017	4.92	
6/2/2018	4.88	
11/8/2018	4.92	
4/19/2019	4.85	
9/25/2019	4.79	
2/21/2020	4.82	
4/15/2020	4.9	
10/23/2020	4.8	
3/15/2021	4.83	
10/6/2021	4.89	
3/14/2022		4.62
10/3/2022		4.75
4/18/2023		4.61
10/26/2023		4.96

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-3
1/29/2015	4.63	
3/3/2015	4.69	
4/7/2015	4.46	
5/14/2015	4.5	
6/3/2015	4.45	
6/18/2015	4.51	
6/30/2015	4.48	
7/15/2015	4.7	
1/11/2016	4.9	
3/22/2016	4.51	
5/16/2016	4.54	
7/11/2016	4.59	
9/12/2016	4.46	
11/16/2016	4.34	
1/16/2017	4.39	
3/20/2017	4.26	
5/22/2017	4.44	
10/17/2017	4.51	
6/2/2018	4.51	
11/7/2018	4.46	
4/19/2019	4.38	
9/25/2019	4.27	
2/22/2020	4.39	
4/14/2020	4.36	
10/23/2020	4.72	
3/15/2021	4.56	
10/6/2021	4.36	
3/14/2022		4.47
10/3/2022		4.38
4/17/2023		4.4
10/26/2023		4.44

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
1/29/2015	5.09	
3/3/2015	5.05	
4/7/2015	4.87	
5/14/2015	4.88	
6/3/2015	4.82	
6/18/2015	4.95	
6/30/2015	4.86	
7/15/2015	4.88	
1/11/2016	5.17	
3/22/2016	4.87	
5/16/2016	4.95	
7/12/2016	4.82	
9/13/2016	4.82	
11/16/2016	4.71	
1/16/2017	4.82	
3/20/2017	4.69	
5/23/2017	4.74	
10/18/2017	4.78	
6/2/2018	4.92	
11/8/2018	4.91	
4/19/2019	4.91	
9/25/2019	4.79	
2/22/2020	4.95	
4/15/2020	4.9	
10/23/2020	4.89	
3/15/2021	4.87	
10/6/2021	4.77	
3/14/2022		4.84
10/4/2022		4.76
4/17/2023		4.61
10/26/2023		4.67

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	4.79	
5/17/2016	4.81	
7/12/2016	4.71	
9/13/2016	4.76	
11/16/2016	4.65	
1/16/2017	4.76	
3/20/2017	4.61	
5/23/2017	4.73	
10/18/2017	5.07	
12/15/2017	4.86 (R)	
6/2/2018	4.87	
11/8/2018	4.9	
4/19/2019	4.86	
9/25/2019	4.82	
4/15/2020	4.74	
10/23/2020	4.91	
3/15/2021	4.85	
10/6/2021	5.05	
3/15/2022		4.92
10/4/2022		4.84
4/18/2023		4.58
10/26/2023		4.96

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	4.68	
5/16/2016	4.73	
7/11/2016	4.71	
9/12/2016	4.63	
11/16/2016	4.57	
1/16/2017	4.61	
3/20/2017	4.49	
5/22/2017	4.61	
10/18/2017	4.63	
6/2/2018	4.75	
11/8/2018	4.69	
4/19/2019	4.72	
9/25/2019	4.67	
2/22/2020	4.78	
4/14/2020	4.75	
10/23/2020	4.72	
3/15/2021	4.69	
10/6/2021	4.56	
3/15/2022		4.64
10/4/2022		4.62
4/18/2023		4.56
10/26/2023		4.65

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	4.46	
5/16/2016	4.55	
7/11/2016	5.16	
9/12/2016	4.44	
11/16/2016	4.36	
1/16/2017	4.47	
3/20/2017	4.22	
5/22/2017	4.38	
10/18/2017	4.49	
6/1/2018	4.54	
11/7/2018	4.48	
4/19/2019	4.51	
9/25/2019	4.47	
2/21/2020	4.44	
4/14/2020	4.73	
10/22/2020	4.59	
3/15/2021	4.52	
10/6/2021	4.35	
3/15/2022		4.24
10/3/2022		4.37
4/18/2023		4.32
10/26/2023		4.39



# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	4.97	
5/17/2016	4.5	
7/11/2016	4.51	
9/13/2016	4.71	
11/17/2016	4.49	
1/17/2017	4.77	
3/20/2017	4.54	
5/23/2017	7.14 (o)	
10/18/2017	4.81	
6/1/2018	4.66	
11/7/2018	4.54	
4/19/2019	4.63	
9/24/2019	4.57	
2/21/2020	4.57	
4/15/2020	4.69	
10/22/2020	4.7	
3/15/2021	4.78	
10/6/2021	4.86	
3/14/2022		4.65
10/3/2022		4.82
4/18/2023		4.66
10/27/2023		4.73

# Prediction Limit

Constituent: pH (SU) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	4.85	
5/16/2016	5.01	
7/11/2016	4.87	
9/13/2016	4.92	
11/17/2016	4.82	
1/17/2017	4.89	
3/20/2017	4.92	
5/23/2017	4.86	
10/18/2017	4.96	
6/1/2018	5.02	
11/8/2018	4.98	
4/19/2019	4.94	
9/24/2019	4.86	
2/21/2020	4.78	
4/15/2020	4.87	
10/22/2020	4.86	
3/15/2021	4.88	
10/6/2021	4.98	
3/14/2022		4.76
10/3/2022		4.95
4/18/2023		4.75
10/27/2023		4.91

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-1	MW-1
1/29/2015	2.4 (J)	
3/3/2015	3.2 (J)	
4/7/2015	2.6 (J)	
5/14/2015	3 (J)	
6/3/2015	2.8 (J)	
6/18/2015	3.9 (J)	
6/30/2015	2.9 (J)	
7/15/2015	2.6 (J)	
1/11/2016	4.5 (J)	
3/22/2016	4 (J)	
5/17/2016	4.1 (J)	
7/12/2016	5.2	
9/13/2016	5.5	
11/17/2016	5.9	
1/16/2017	6.6	
3/20/2017	<6.6	
5/23/2017	6	
10/18/2017	8	
11/27/2017	9.5	
12/16/2017	7.7 (RS)	
6/2/2018	12	
11/8/2018	10	
4/19/2019	10.1	
6/7/2019	8.98	
9/25/2019	8.87	
11/29/2019	9.09	
4/15/2020	9.84	
10/23/2020	8.82	
3/15/2021	9.05	
10/6/2021	10.3	
3/14/2022		9.59
10/3/2022		8.36
4/18/2023		7.46
10/26/2023		9.32

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-10	MW-10
3/22/2016	<1	
5/16/2016	<1	
7/12/2016	<1	
9/13/2016	1.6 (J)	
11/17/2016	<1	
1/17/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
6/1/2018	2.1 (J)	
11/8/2018	<1	
4/19/2019	0.702 (J)	
9/25/2019	0.648 (J)	
4/15/2020	<1	
10/23/2020	0.515 (J)	
3/15/2021	<1	
10/6/2021	<1	
3/14/2022		<1
10/3/2022		3.38
4/18/2023		3.39
10/26/2023		4.98

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-2	MW-2
1/29/2015	<1	
3/3/2015	<1	
4/7/2015	<1	
5/14/2015	<1	
6/3/2015	<1	
6/18/2015	<1	
6/30/2015	<1	
7/15/2015	<1	
1/11/2016	<1	
3/22/2016	<1	
5/16/2016	<1	
7/11/2016	1.4 (J)	
9/13/2016	<1	
11/17/2016	<1	
1/16/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
11/27/2017	3.1	
6/2/2018	<1	
11/8/2018	<1	
4/19/2019	0.468 (J)	
9/25/2019	0.436 (J)	
4/15/2020	<1	
10/23/2020	0.405 (J)	
3/15/2021	<1	
10/6/2021	<1	
3/14/2022		0.861 (J)
10/3/2022		<1
4/18/2023		0.784 (J)
10/26/2023		1.05

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-3
1/29/2015	<1.4	
3/3/2015	<1.4	
4/7/2015	<1.4	
5/14/2015	<1.4	
6/3/2015	<1.4	
6/18/2015	<1.4	
6/30/2015	<1.4	
7/15/2015	<1.4	
1/11/2016	<1.4	
3/22/2016	<1.4	
5/16/2016	<1.4	
7/11/2016	<1.4	
9/12/2016	<1.4	
11/16/2016	<1.4	
1/16/2017	<1.4	
3/20/2017	<1.4	
5/22/2017	<1.4	
10/17/2017	<1.4	
11/27/2017	2.9	
6/2/2018	<1.4	
11/7/2018	2.1 (J)	
4/19/2019	19.5 (o)	
6/7/2019		19.2
9/25/2019		65.1
11/29/2019		107
4/14/2020		194
10/23/2020		142
3/15/2021		116
10/6/2021		2.93
3/14/2022		2.2
10/3/2022		1.25
4/17/2023		1.58
10/26/2023		1.97

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-4	MW-4
1/29/2015	<5	
3/3/2015	<5	
4/7/2015	<5	
5/14/2015	<5	
6/3/2015	<5	
6/18/2015	<5	
6/30/2015	<5	
7/15/2015	<5	
1/11/2016	<5	
3/22/2016	<5	
5/16/2016	<5	
7/12/2016	<5	
9/13/2016	<5	
11/16/2016	<5	
1/16/2017	<5	
3/20/2017	<5	
5/23/2017	<5	
10/18/2017	<5	
11/27/2017	4.1	
6/2/2018	1.9 (J)	
11/8/2018	1.8 (J)	
4/19/2019	2.1	
9/25/2019	2.3	
4/15/2020	2	
10/23/2020	1.75	
3/15/2021	1.94	
10/6/2021	1.97	
3/14/2022		2.04
10/4/2022		1.86
4/17/2023		2.15
10/26/2023		3.13

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-5	MW-5
3/22/2016	<5	
5/17/2016	<5	
7/12/2016	<5	
9/13/2016	<5	
11/16/2016	<5	
1/16/2017	<5	
3/20/2017	<5	
5/23/2017	<5	
10/18/2017	<5	
6/2/2018	3.4 (J)	
11/8/2018	3.1 (J)	
4/19/2019	3.82	
9/25/2019	3.52	
4/15/2020	3.38	
10/23/2020	3.33	
3/15/2021	3.42	
10/6/2021	6.05	
3/15/2022		5.54
10/4/2022		6.61
4/18/2023		7.27
10/26/2023		7.15



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-6	MW-6
3/22/2016	2.9 (J)	
5/16/2016	2.7 (J)	
7/11/2016	2.5 (J)	
9/12/2016	2.8 (J)	
11/16/2016	3.1 (J)	
1/16/2017	2.1	
3/20/2017	<5	
5/22/2017	1.9 (J)	
10/18/2017	<5	
6/2/2018	1.8 (J)	
11/8/2018	1.6 (J)	
4/19/2019	1.96	
9/25/2019	1.98	
4/14/2020	1.85	
10/23/2020	1.75	
3/15/2021	1.8	
10/6/2021	0.802 (J)	
3/15/2022		0.791 (J)
10/4/2022		0.791 (J)
4/18/2023		1.23
10/26/2023		1.95

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	<1	
5/16/2016	<1	
7/11/2016	<1	
9/12/2016	<1	
11/16/2016	<1	
1/16/2017	<1	
3/20/2017	<1	
5/22/2017	<1	
10/18/2017	<1	
6/1/2018	<1	
11/7/2018	<1	
4/19/2019	0.449 (J)	
9/25/2019	1.57	
4/14/2020	<1	
10/22/2020	<1	
3/15/2021	<1	
10/6/2021	<1	
3/15/2022		<1
10/3/2022		<1
4/18/2023		<1
10/26/2023		<1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-8	MW-8
3/21/2016	<1	
5/17/2016	<1	
7/11/2016	<1	
9/13/2016	<1	
11/17/2016	<1	
1/17/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
6/1/2018	1.4 (J)	
11/7/2018	<1	
4/19/2019	0.906 (J)	
9/25/2019	<1	
4/15/2020	<1	
10/22/2020	0.657 (J)	
3/15/2021	1.2	
10/6/2021	4.11	
3/14/2022		3.09
10/3/2022		3.06
4/18/2023		2.83
10/27/2023		2.55

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/1/2023 11:45 AM View: IntraWell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-9	MW-9
3/21/2016	<1	
5/16/2016	1.7 (J)	
7/11/2016	1.5 (J)	
9/13/2016	1.5 (J)	
11/17/2016	<1	
1/17/2017	<1	
3/20/2017	<1	
5/23/2017	<1	
10/18/2017	<1	
6/1/2018	3.3 (J)	
11/8/2018	1.8 (J)	
4/19/2019	2.3	
9/25/2019	<1	
4/15/2020	1.64	
10/22/2020	1.46	
3/15/2021	1.37	
10/6/2021	2.4	
3/14/2022		1.58
10/3/2022		2.45
4/18/2023		2.88
10/27/2023		3.34

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-1	MW-1
3/22/2016	60	
5/17/2016	90	
7/12/2016	56	
9/13/2016	88	
11/17/2016	80	
1/16/2017	68	
3/20/2017	12	
5/23/2017	54	
10/18/2017	70	
6/2/2018	20	
11/8/2018	30	
4/19/2019	38	
9/25/2019	52	
4/15/2020	43	
10/23/2020	36	
3/15/2021	36	
10/6/2021	51	
3/14/2022		38
10/3/2022		64
4/18/2023		37
10/26/2023		31

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-10	MW-10
3/22/2016	26	
5/16/2016	44	
7/12/2016	<5	
9/13/2016	24	
11/17/2016	38	
1/17/2017	20	
3/20/2017	6	
5/23/2017	40	
10/18/2017	20	
6/1/2018	28	
11/8/2018	68	
4/19/2019	20	
9/25/2019	29	
4/15/2020	22	
10/23/2020	29	
3/15/2021	22	
10/6/2021	39	
3/14/2022		26
10/3/2022		33
4/18/2023		34
10/26/2023		23

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-2	MW-2
3/22/2016	28	
5/16/2016	18	
7/11/2016	4 (J)	
9/13/2016	26	
11/17/2016	36	
1/16/2017	12	
3/20/2017	<3.4	
5/23/2017	26	
10/18/2017	32	
6/2/2018	<3.4	
11/8/2018	68	
4/19/2019	29	
9/25/2019	27	
4/15/2020	32	
10/23/2020	27	
3/15/2021	30	
10/6/2021	35	
3/14/2022		29
10/3/2022		41
4/18/2023		35
10/26/2023		15

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-3	MW-3
3/22/2016	22	
5/16/2016	52	
7/11/2016	16	
9/12/2016	30	
11/16/2016	42	
1/16/2017	42	
3/20/2017	12	
5/22/2017	34	
10/17/2017	60	
6/2/2018	<3.4	
11/7/2018	42	
4/19/2019	83	
6/7/2019	76	
9/25/2019	143	
11/29/2019		180
4/14/2020		299
10/23/2020		244
3/15/2021		201
10/6/2021		80
3/14/2022		42
10/3/2022		61
4/17/2023		42
10/26/2023		29



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4	MW-4
3/22/2016	26	
5/16/2016	28	
7/12/2016	24	
9/13/2016	32	
11/16/2016	60	
1/16/2017	32	
3/20/2017	<5	
5/23/2017	48	
10/18/2017	54	
6/2/2018	32	
11/8/2018	14	
4/19/2019	43	
9/25/2019	44	
4/15/2020	31	
10/23/2020	32	
3/15/2021	27	
10/6/2021	33	
3/14/2022		16
10/4/2022		36
4/17/2023		34
10/26/2023		13

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5	MW-5
3/22/2016	36	
5/17/2016	36	
7/12/2016	34	
9/13/2016	34	
11/16/2016	56	
1/16/2017	32	
3/20/2017	20	
5/23/2017	32	
10/18/2017	50	
6/2/2018	<10	
11/8/2018	22	
4/19/2019	34	
9/25/2019	42	
4/15/2020	26	
10/23/2020	31	
3/15/2021	32	
10/6/2021	27	
3/15/2022		12
10/4/2022		41
4/18/2023		29
10/26/2023		<10

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-6	MW-6
3/22/2016	<3.4	
5/16/2016	24	
7/11/2016	14	
9/12/2016	26	
11/16/2016	40	
1/16/2017	32	
3/20/2017	10	
5/22/2017	30	
10/18/2017	28	
6/2/2018	<3.4	
11/8/2018	12	
4/19/2019	26	
9/25/2019	46	
4/14/2020	26	
10/23/2020	25	
3/15/2021	29	
10/6/2021	38	
3/15/2022		24
10/4/2022		28
4/18/2023		32
10/26/2023		12

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-7	MW-7
3/21/2016	52	
5/16/2016	44	
7/11/2016	22	
9/12/2016	24	
11/16/2016	52	
1/16/2017	32	
3/20/2017	16	
5/22/2017	48	
10/18/2017	50	
6/1/2018	42	
11/7/2018	54	
4/19/2019	36	
9/25/2019	42	
4/14/2020	30	
10/22/2020	35	
3/15/2021	32	
10/6/2021	53	
3/15/2022		54
10/3/2022		79
4/18/2023		53
10/26/2023		36

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8	MW-8
3/21/2016	42	
5/17/2016	38	
7/11/2016	14	
9/13/2016	40	
11/17/2016	40	
1/17/2017	36	
3/20/2017	<5	
5/23/2017	44	
10/18/2017	28	
6/1/2018	60	
11/7/2018	40	
4/19/2019	71	
9/25/2019	61	
4/15/2020	53	
10/22/2020	42	
3/15/2021	39	
10/6/2021	36	
3/14/2022		23
10/3/2022		40
4/18/2023		35
10/27/2023		19

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/1/2023 11:45 AM View: Intrawell PL  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-9	MW-9
3/21/2016	30	
5/16/2016	32	
7/11/2016	24	
9/13/2016	34	
11/17/2016	52	
1/17/2017	<5	
3/20/2017	14	
5/23/2017	36	
10/18/2017	34	
6/1/2018	42	
11/8/2018	30	
4/19/2019	23	
9/25/2019	33	
4/15/2020	28	
10/22/2020	35	
3/15/2021	31	
10/6/2021	37	
3/14/2022		56
10/3/2022		31
4/18/2023		23
10/27/2023		19

# Trend Tests

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# Appendix III Trend Tests - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/1/2023, 11:58 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	MW-1 (bg)	-0.497	-183	-92	Yes	22	0	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.03215	114	98	Yes	23	0	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.3422	121	98	Yes	23	0	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.136	366	176	Yes	34	2.941	n/a	0.01	NP



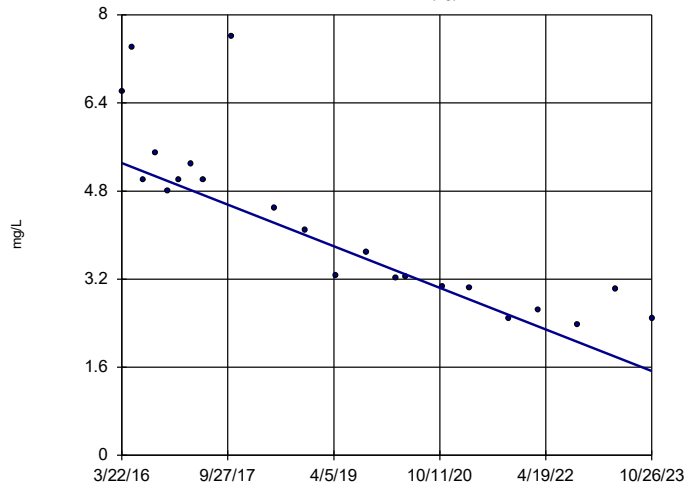
# Appendix III Trend Tests - All Results

Plant Daniel    Client: Southern Company    Data: Plant Daniel Gypsum CCR    Printed 12/1/2023, 11:58 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Alpha</u>	<u>Method</u>
<b>Calcium (mg/L)</b>	<b>MW-1 (bg)</b>	<b>-0.497</b>	<b>-183</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-10 (bg)	-0.008204	-13	-81	No	20	0	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>MW-2 (bg)</b>	<b>0.03215</b>	<b>114</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>MW-3</b>	<b>0.3422</b>	<b>121</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	MW-7	0	-10	-92	No	22	0	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>MW-1 (bg)</b>	<b>1.136</b>	<b>366</b>	<b>176</b>	<b>Yes</b>	<b>34</b>	<b>2.941</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	MW-10 (bg)	0	28	87	No	21	61.9	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-62	-152	No	31	74.19	n/a	0.01	NP
Sulfate (mg/L)	MW-5	0	22	87	No	21	42.86	n/a	0.01	NP
Sulfate (mg/L)	MW-9	0.1369	82	87	No	21	33.33	n/a	0.01	NP

### Sen's Slope Estimator

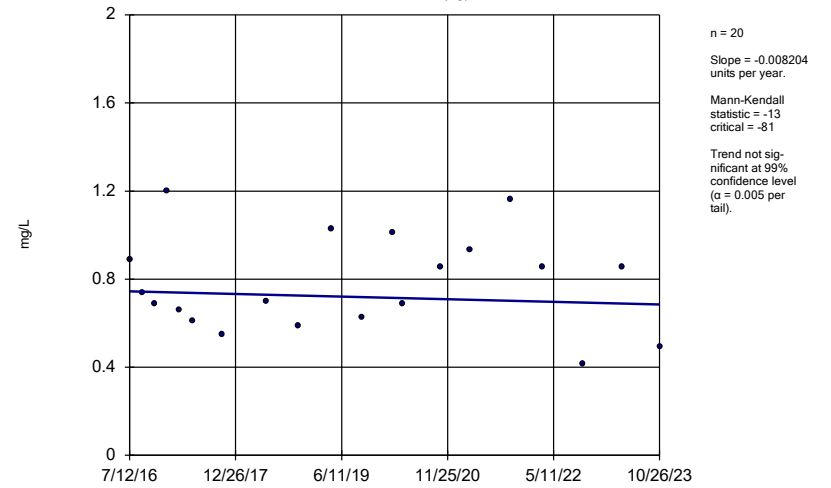
MW-1 (bg)



Constituent: Calcium Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

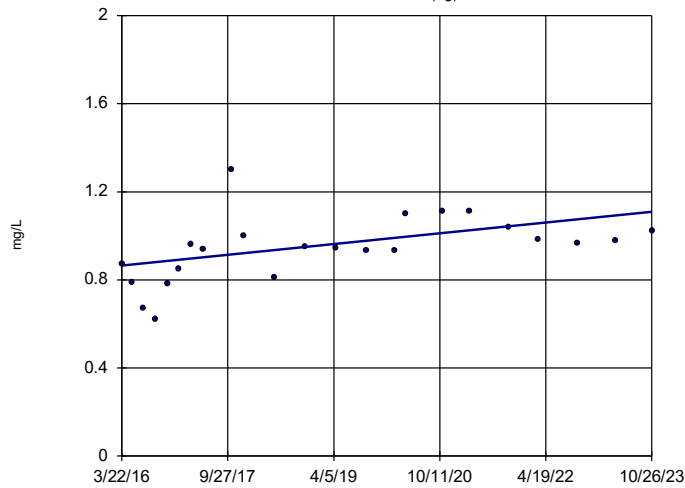
MW-10 (bg)



Constituent: Calcium Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

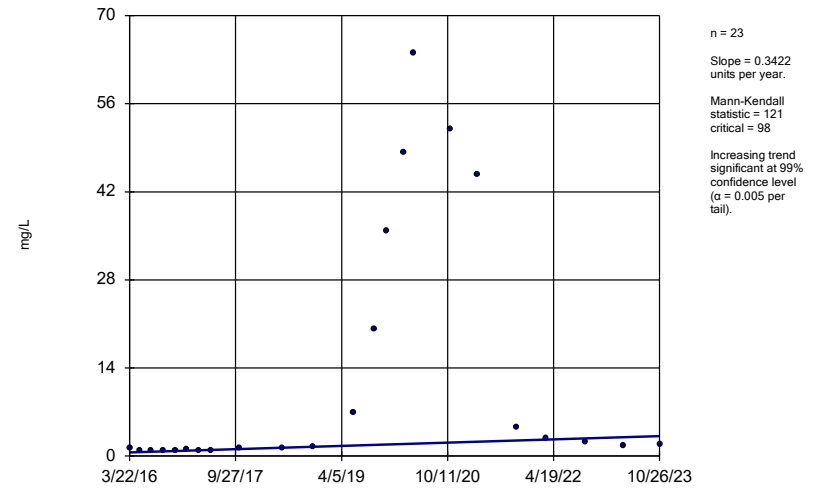
MW-2 (bg)



Constituent: Calcium Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

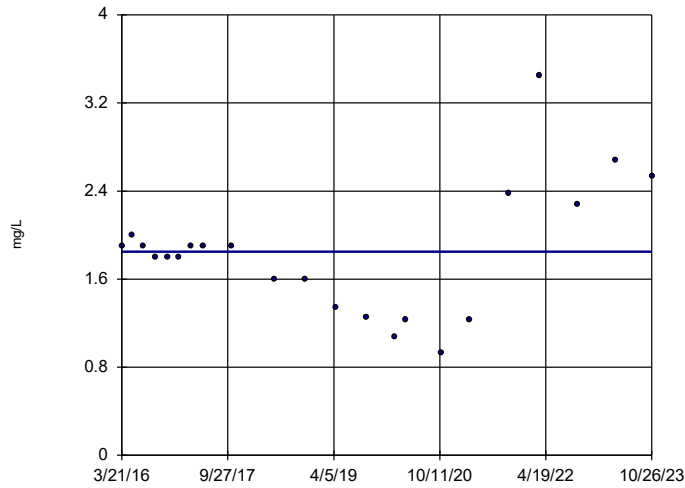
MW-3



Constituent: Calcium Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-7

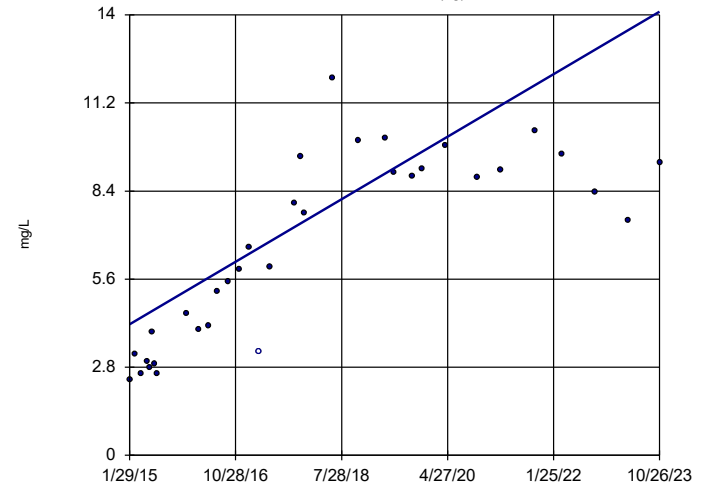


n = 22  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -10  
 critical = -92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Calcium Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-1 (bg)

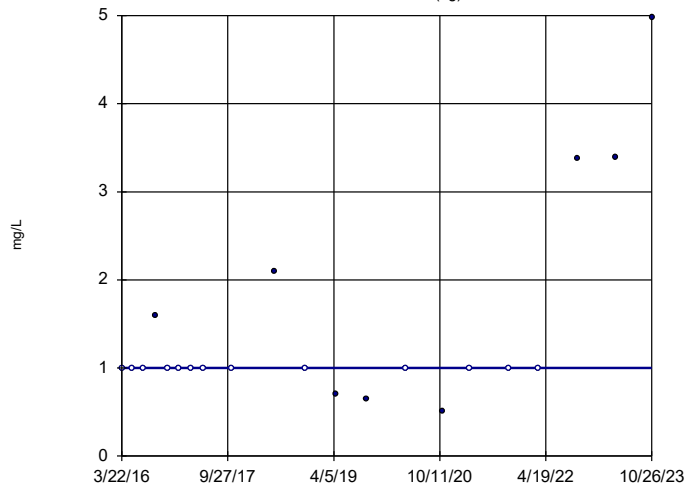


n = 34  
 Slope = 1.136  
 units per year.  
 Mann-Kendall  
 statistic = 366  
 critical = 176  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-10 (bg)

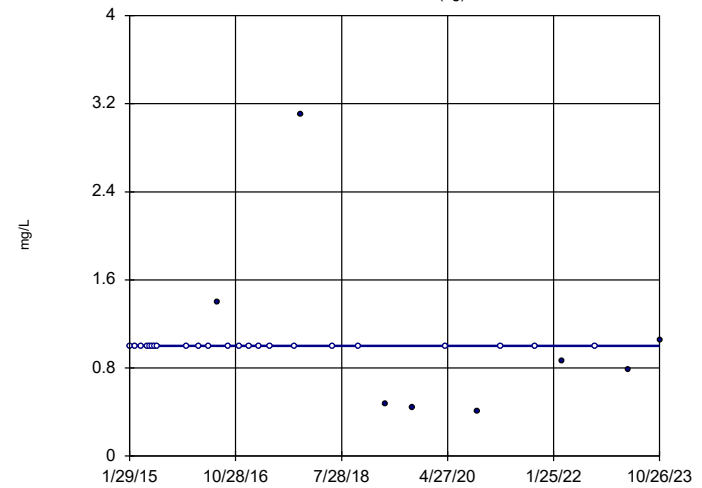


n = 21  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 28  
 critical = 87  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-2 (bg)

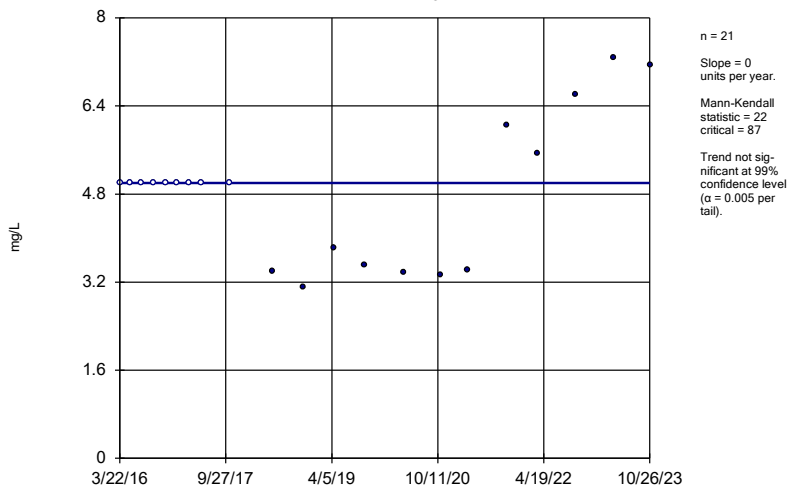


n = 31  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -62  
 critical = -152  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 12/1/2023 11:57 AM View: Appendix III - Trend Tests  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Sen's Slope Estimator

MW-5



# Upper Tolerance Limits

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# Upper Tolerance Limits Summary Table

Plant Daniel    Client: Southern Company    Data: Plant Daniel Gypsum CCR    Printed 12/8/2023, 10:35 AM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	0.002	n/a	n/a	n/a	48	n/a	n/a	93.75	n/a	n/a	0.08526	NP Inter(NDs)
Arsenic (mg/L)	0.00628	n/a	n/a	n/a	51	n/a	n/a	84.31	n/a	n/a	0.0731	NP Inter(NDs)
Barium (mg/L)	0.2492	n/a	n/a	n/a	71	-2.774	0.6979	0	None	ln(x)	0.05	Inter
Beryllium (mg/L)	0.001	n/a	n/a	n/a	51	n/a	n/a	82.35	n/a	n/a	0.0731	NP Inter(NDs)
Cadmium (mg/L)	0.001	n/a	n/a	n/a	48	n/a	n/a	100	n/a	n/a	0.08526	NP Inter(NDs)
Chromium (mg/L)	0.0073	n/a	n/a	n/a	68	n/a	n/a	91.18	n/a	n/a	0.03056	NP Inter(NDs)
Cobalt (mg/L)	0.0044	n/a	n/a	n/a	51	n/a	n/a	0	n/a	n/a	0.0731	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	3.162	n/a	n/a	n/a	50	1.008	0.3732	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	0.1	n/a	n/a	n/a	66	n/a	n/a	83.33	n/a	n/a	0.03387	NP Inter(NDs)
Lead (mg/L)	0.001	n/a	n/a	n/a	51	n/a	n/a	74.51	n/a	n/a	0.0731	NP Inter(NDs)
Lithium (mg/L)	0.005	n/a	n/a	n/a	48	n/a	n/a	87.5	n/a	n/a	0.08526	NP Inter(NDs)
Mercury (mg/L)	0.00031	n/a	n/a	n/a	68	n/a	n/a	94.12	n/a	n/a	0.03056	NP Inter(NDs)
Molybdenum (mg/L)	0.005	n/a	n/a	n/a	48	n/a	n/a	95.83	n/a	n/a	0.08526	NP Inter(NDs)
Selenium (mg/L)	0.0071	n/a	n/a	n/a	68	n/a	n/a	83.82	n/a	n/a	0.03056	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	48	n/a	n/a	87.5	n/a	n/a	0.08526	NP Inter(NDs)

# Groundwater Protection Standards

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<b>PLANT DANIEL GSA CCR GWPS TABLE</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR Rule-Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
Antimony, Total (mg/L)	0.006		0.002	0.006
Arsenic, Total (mg/L)	0.01		0.0063	0.01
Barium, Total (mg/L)	2		0.25	2
Beryllium, Total (mg/L)	0.004		0.001	0.004
Cadmium, Total (mg/L)	0.005		0.001	0.005
Chromium, Total (mg/L)	0.1		0.0073	0.1
Cobalt, Total (mg/L)		0.006	0.0044	0.006
Combined Radium, Total (pCi/L)	5		3.16	5
Fluoride, Total (mg/L)	4		0.1	4
Lead, Total (mg/L)		0.015	0.001	0.015
Lithium, Total (mg/L)		0.04	0.005	0.04
Mercury, Total (mg/L)	0.002		0.00031	0.002
Molybdenum, Total (mg/L)		0.1	0.005	0.1
Selenium, Total (mg/L)	0.05		0.0071	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

*\*MCL = Maximum Contaminant Level*

*\*CCR = Coal Combustion Residuals*

*\*GWPS = Groundwater Protection Standard*



# Confidence Intervals

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# Confidence Intervals - All Results (No Significant)

Plant Daniel    Client: Southern Company    Data: Plant Daniel Gypsum CCR    Printed 12/8/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	MW-4	0.002	0.000671	0.006	No	16	0.001917	0.0003323	93.75	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-3	0.0016	0.001	0.01	No	17	0.001291	0.0006752	76.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	17	0.0009607	0.000162	94.12	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.095	2	No	27	0.1137	0.02869	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.0581	0.04994	2	No	27	0.05402	0.008558	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0603	2	No	17	0.06334	0.007809	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.07624	0.056	2	No	17	0.06666	0.0174	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-7	0.1867	0.1226	2	No	17	0.157	0.05241	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1139	0.08861	2	No	17	0.1012	0.02018	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04523	0.03511	2	No	17	0.04017	0.008076	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.0004647	0.0002981	0.004	No	17	0.0003874	0.0001044	47.06	Kaplan-Meier	ln(x)	0.01	Param.
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	17	0.0009521	0.0001974	94.12	Kaplan-Meier	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.00024	0.004	No	17	0.0009077	0.0002607	88.24	Kaplan-Meier	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	17	0.000959	0.000169	94.12	Kaplan-Meier	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004237	0.0003264	0.004	No	17	0.0003751	0.000077590		None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.00034	0.004	No	17	0.0007619	0.0003341	64.71	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000295	0.005	No	16	0.0009321	0.0004558	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	26	0.002092	0.0004507	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	26	0.002081	0.0004118	96.15	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	16	0.002025	0.0001	93.75	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00327	0.00158	0.006	No	17	0.002246	0.0007765	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.00162	0.001262	0.006	No	17	0.001441	0.0002853	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.00164	0.000951	0.006	No	17	0.001419	0.0009273	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-6	0.002639	0.001931	0.006	No	17	0.002285	0.0005648	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.0025	0.00146	0.006	No	17	0.002156	0.0006103	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-8	0.001548	0.001097	0.006	No	17	0.001323	0.0003603	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001174	0.0009353	0.006	No	17	0.001055	0.0001907	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.242	2.09	5	No	17	2.71	0.992	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.241	0.8306	5	No	17	1.036	0.3279	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.509	1.088	5	No	17	1.298	0.3361	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.306	0.9069	5	No	17	1.106	0.3184	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.939	2.022	5	No	17	2.981	1.53	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.199	1.673	5	No	17	1.936	0.4195	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9417	0.6551	5	No	17	0.7984	0.2286	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.108	0.04	4	No	24	0.09201	0.07713	8.333	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-4	0.1	0.0792	4	No	22	0.09905	0.004435	95.45	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-5	0.1	0.0942	4	No	22	0.09974	0.001237	95.45	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-6	0.1	0.084	4	No	22	0.09051	0.02286	81.82	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.0398	4	No	22	0.07483	0.03153	59.09	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	22	0.09425	0.01882	90.91	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	22	0.09355	0.0209	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.0008534	0.0004805	0.015	No	17	0.0006929	0.0003276	5.882	None	x^(1/3)	0.01	Param.
Lead (mg/L)	MW-4	0.001	0.000224	0.015	No	17	0.0008575	0.0003176	82.35	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000592	0.015	No	17	0.0009262	0.0002224	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.000215	0.015	No	17	0.0006761	0.0004018	58.82	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	17	0.0008985	0.0002865	88.24	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.000215	0.015	No	17	0.0008555	0.0003219	82.35	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00208	0.04	No	16	0.004388	0.001321	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00206	0.04	No	16	0.004632	0.001006	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	16	0.00455	0.00123	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	16	0.004581	0.001148	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00271	0.04	No	16	0.004464	0.001167	81.25	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	16	0.004501	0.001365	87.5	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.00209	0.04	No	16	0.004328	0.00146	81.25	None	No	0.01	NP (NDs)

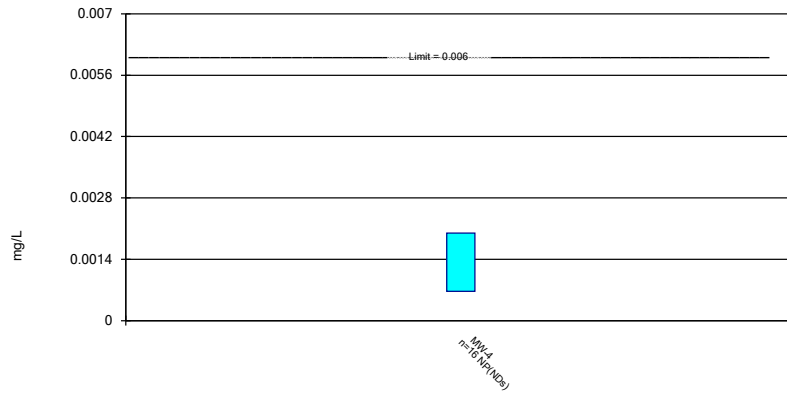
# Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/8/2023, 10:41 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	26	0.0001882	0.0000337988.46	None		No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.0002	0.00012	0.002	No	26	0.0001933	0.0000271488.46	None		No	0.01	NP (NDs)
Mercury (mg/L)	MW-6	0.00143	0.000149	0.002	No	16	0.0004124	0.0006176	81.25	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	16	0.004807	0.00077	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	26	0.005069	0.0002589	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	26	0.004977	0.0001177	96.15	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	16	0.004706	0.001175	93.75	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	16	0.004419	0.001587	87.5	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	16	0.0009543	0.0001828	93.75	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	16	0.0009519	0.0001923	93.75	None	No	0.01	NP (NDs)

### Non-Parametric Confidence Interval

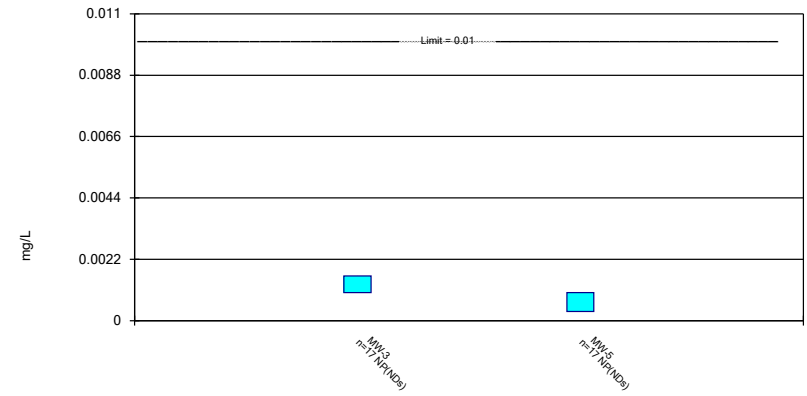
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

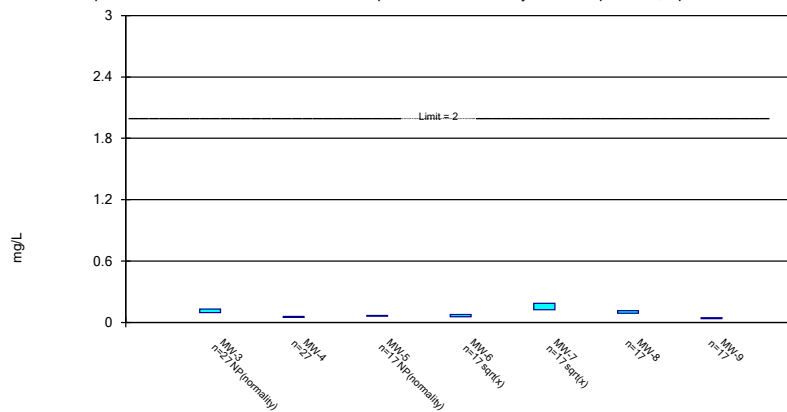
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

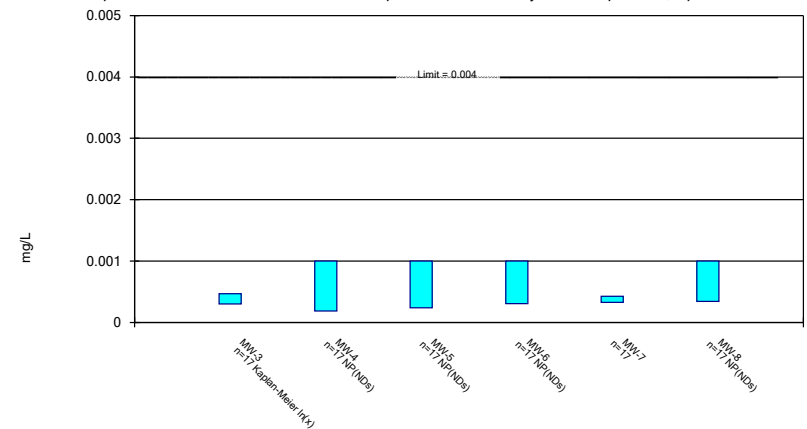
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

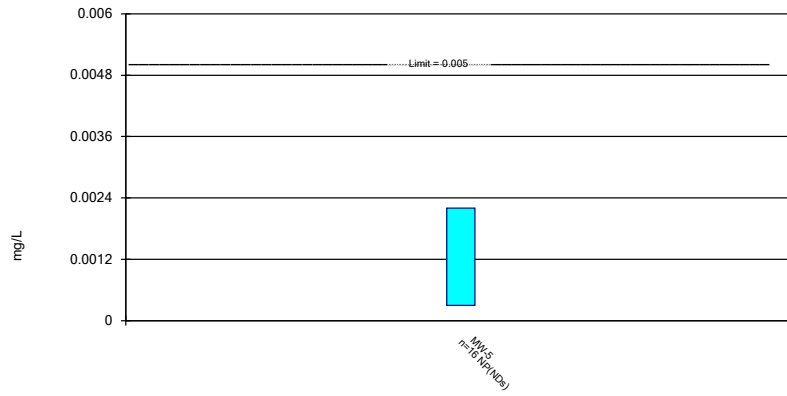
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

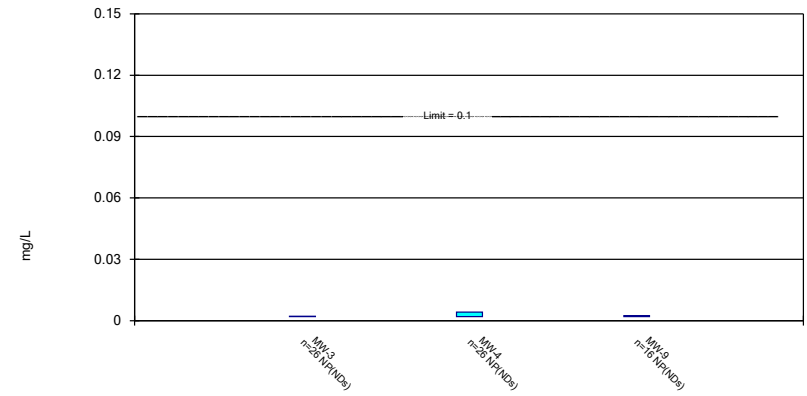
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

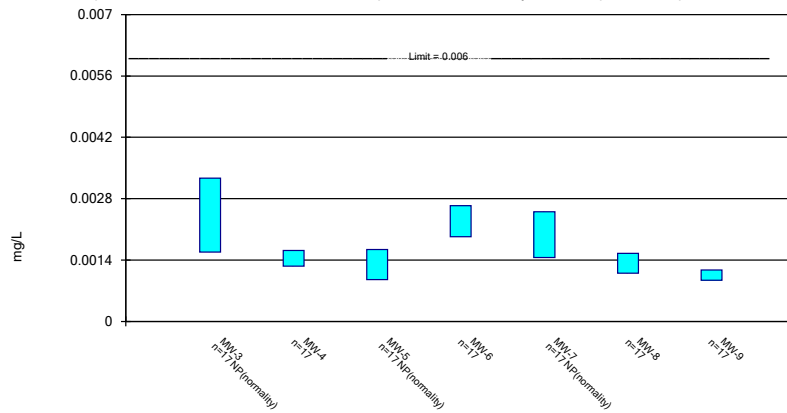
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

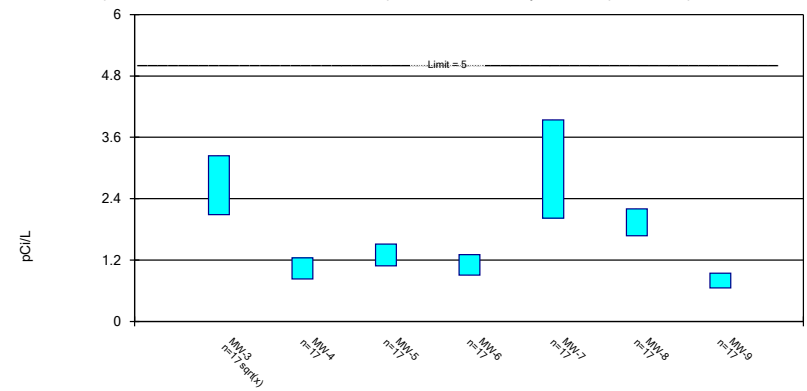
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric Confidence Interval

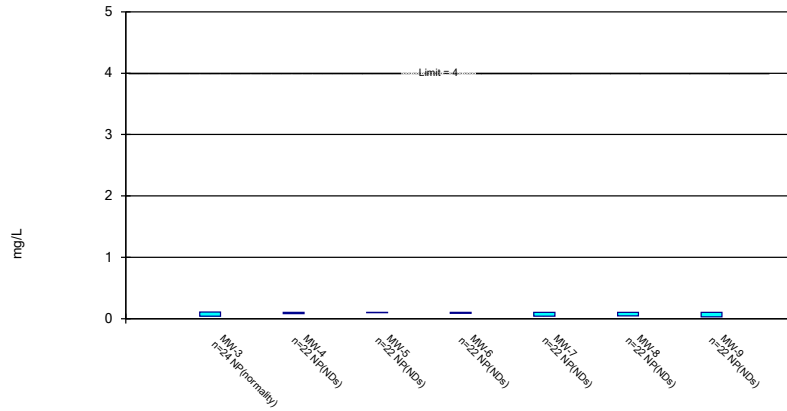
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

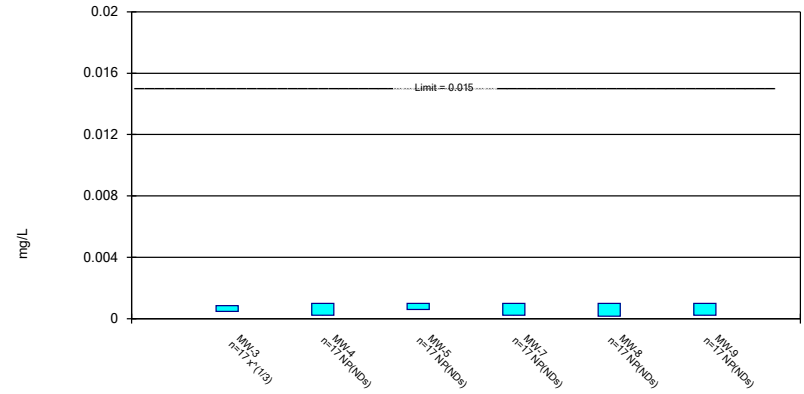
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Parametric and Non-Parametric (NP) Confidence Interval

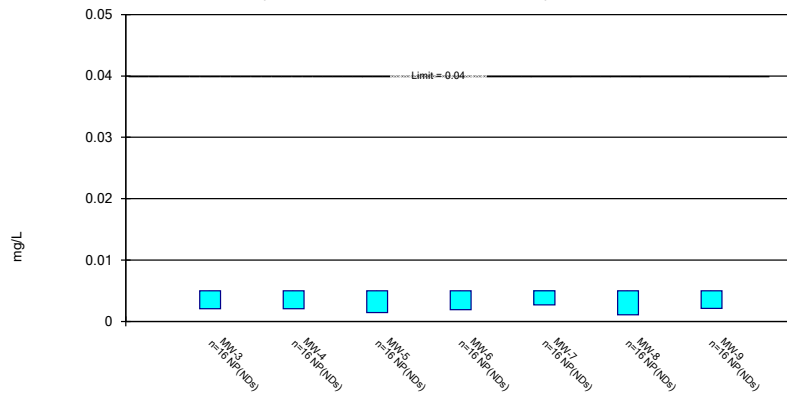
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

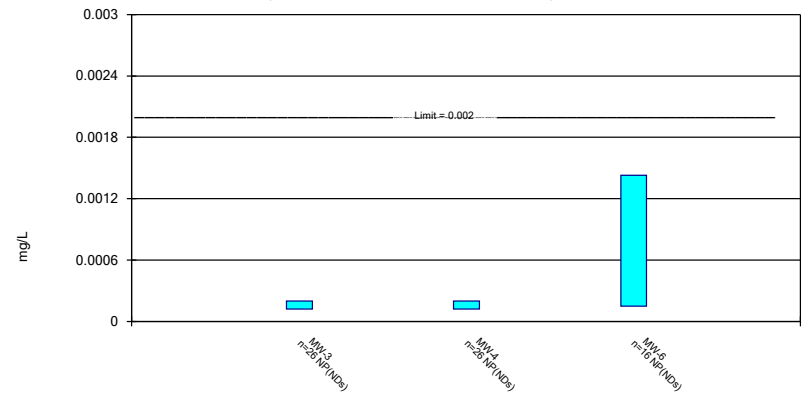
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

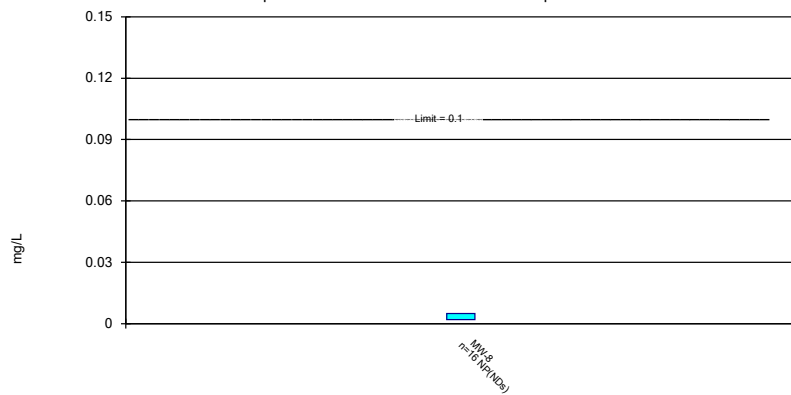
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

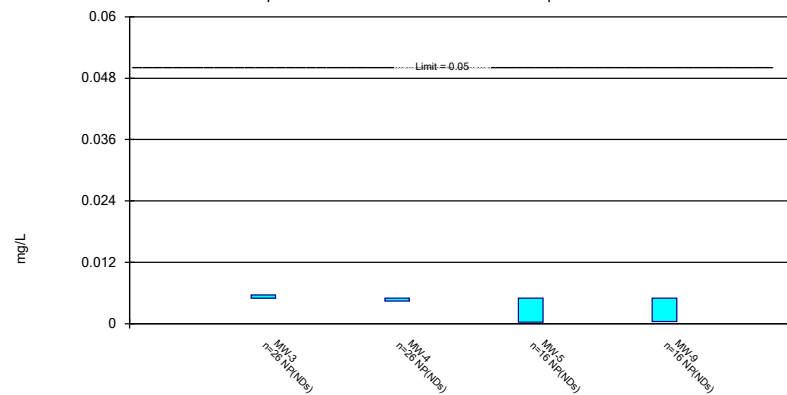
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

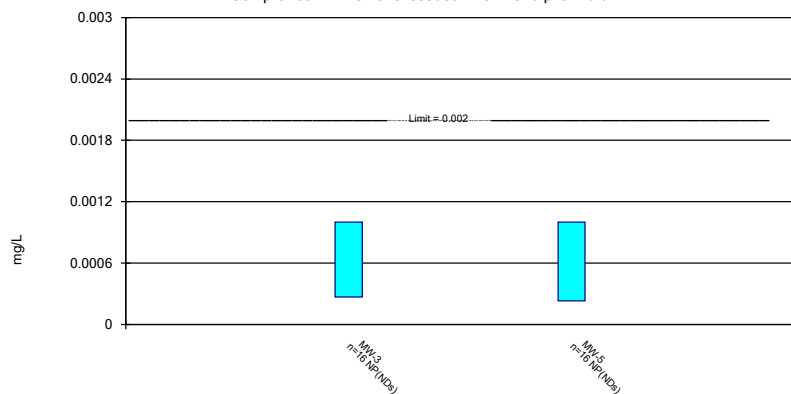
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

### Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Thallium Analysis Run 12/8/2023 10:39 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

# Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-4
3/22/2016	<0.002
5/16/2016	<0.002
7/12/2016	<0.002
9/13/2016	<0.002
11/16/2016	<0.002
1/16/2017	<0.002
3/20/2017	<0.002
5/23/2017	<0.002
2/22/2020	<0.002
10/23/2020	<0.002
3/15/2021	<0.002
10/6/2021	<0.002
3/14/2022	<0.002
10/4/2022	0.000671 (J)
4/17/2023	<0.002
10/26/2023	<0.002
Mean	0.001917
Std. Dev.	0.0003323
Upper Lim.	0.002
Lower Lim.	0.000671



# Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-5
3/22/2016	<0.001	<0.001
5/16/2016	<0.001	
5/17/2016		<0.001
7/11/2016	<0.001	
7/12/2016		<0.001
9/12/2016	<0.001	
9/13/2016		<0.001
11/16/2016	<0.001	<0.001
1/16/2017	<0.001 (*)	<0.001
3/20/2017	<0.001	<0.001
5/22/2017	<0.001	
5/23/2017		<0.001
2/22/2020	0.00204	<0.001
4/14/2020	0.00361	
4/15/2020		0.000332 (J)
10/23/2020	0.00169	<0.001
3/15/2021	0.0016	<0.001
10/6/2021	<0.001	<0.001
3/14/2022	<0.001	
3/15/2022		<0.001
10/3/2022	<0.001	
10/4/2022		<0.001
4/17/2023	<0.001	
4/18/2023		<0.001
10/26/2023	<0.001	<0.001
Mean	0.001291	0.0009607
Std. Dev.	0.0006752	0.000162
Upper Lim.	0.0016	0.001
Lower Lim.	0.001	0.000332

# Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
1/29/2015	0.095	0.05					
3/3/2015	0.1	0.05					
4/7/2015	0.1	0.055					
5/14/2015	0.096	0.051					
6/3/2015	0.1	0.052					
6/18/2015	0.095	0.06					
6/30/2015	0.093	0.05					
7/15/2015	0.1	0.048					
1/11/2016	0.11	0.051					
3/21/2016					0.16	0.11	0.043
3/22/2016	0.11	0.052	0.066	0.076			
5/16/2016	0.096	0.058		0.12	0.16		0.032
5/17/2016			0.048			0.093	
7/11/2016	0.092			0.068	0.15	0.1	0.037
7/12/2016		0.048	0.066				
9/12/2016	0.11			0.068	0.16		
9/13/2016		0.055	0.068			0.12	0.04
11/16/2016	0.094	0.054	0.067	0.07	0.15		
11/17/2016						0.1	0.041
1/16/2017	0.1	0.055	0.065	0.065	0.15		
1/17/2017						0.1	0.039
3/20/2017	0.096	0.059	0.067	0.066	0.17	0.11	0.035
5/22/2017	0.1			0.064	0.17		
5/23/2017		0.066	0.067			0.11	0.044
11/27/2017	0.1	0.072					
2/21/2020					0.0988	0.143	0.0572
2/22/2020	0.165	0.0696	0.0673	0.0557			
4/14/2020	0.17			0.0549	0.0891		
4/15/2020		0.0658	0.0641			0.133	0.0459
10/22/2020					0.0755	0.0836	0.0425
10/23/2020	0.139	0.0598	0.0603	0.0554			
3/15/2021	0.129	0.0635	0.065	0.0599	0.0943	0.0905	0.0499
10/6/2021	0.195	0.047	0.0508	0.0843	0.155	0.089	0.0305
3/14/2022	0.164	0.0436				0.117	0.0278
3/15/2022			0.0515	0.0789	0.3		
10/3/2022	0.135				0.195	0.0757	0.0307
10/4/2022		0.0364	0.0611	0.0549			
4/17/2023	0.0944	0.0408					
4/18/2023			0.0814	0.0432	0.198	0.0785	0.0356
10/26/2023	0.092	0.0461	0.0612	0.0491	0.193		
10/27/2023						0.0679	0.0518
Mean	0.1137	0.05402	0.06334	0.06666	0.157	0.1012	0.04017
Std. Dev.	0.02869	0.008558	0.007809	0.0174	0.05241	0.02018	0.008076
Upper Lim.	0.129	0.0581	0.0673	0.07624	0.1867	0.1139	0.04523
Lower Lim.	0.095	0.04994	0.0603	0.056	0.1226	0.08861	0.03511

# Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
3/21/2016					0.00044 (B1J)	<0.001
3/22/2016	<0.00034	<0.001	<0.001	<0.001		
5/16/2016	<0.00034	<0.001		<0.001	0.0004 (J)	
5/17/2016			<0.001			0.00034 (J)
7/11/2016	<0.00034			<0.001	0.00038 (J)	0.00041 (J)
7/12/2016		<0.001	<0.001			
9/12/2016	<0.00034			<0.001	0.00035 (J)	
9/13/2016		<0.001	<0.001			<0.001
11/16/2016	<0.00034	<0.001	<0.001	<0.001	0.00039 (J)	
11/17/2016						<0.001
1/16/2017	<0.00034	<0.001	<0.001	<0.001	0.00044 (J)	
1/17/2017						0.00034 (J)
3/20/2017	<0.00034	<0.001	<0.001	<0.001	0.0004 (J)	0.00036 (J)
5/22/2017	<0.00034			<0.001	0.00046 (J)	
5/23/2017		<0.001	<0.001			<0.001
2/21/2020					0.000284 (J)	0.000255 (J)
2/22/2020	0.000486 (J)	<0.001	<0.001	<0.001		
4/14/2020	0.000629 (J)			<0.001	0.000304 (J)	
4/15/2020		<0.001	0.000191 (J)			0.000248 (J)
10/22/2020					0.000257 (J)	<0.001
10/23/2020	0.000486 (J)	<0.001	<0.001	<0.001		
3/15/2021	0.00044 (J)	<0.001	<0.001	<0.001	0.000303 (J)	<0.001
10/6/2021	0.000569 (J)	0.000186 (J)	<0.001	0.000303 (J)	0.000403 (J)	<0.001
3/14/2022	0.000406 (J)	<0.001				<0.001
3/15/2022			<0.001	<0.001	0.000562 (J)	
10/3/2022	0.000349 (J)				0.000278 (J)	<0.001
10/4/2022		<0.001	<0.001	<0.001		
4/17/2023	0.00029 (J)	<0.001				
4/18/2023			0.00024 (J)	<0.001	0.00038 (J)	<0.001
10/26/2023	0.00021 (J)	<0.001	<0.001	<0.001	0.000345 (J)	
10/27/2023						<0.001
Mean	0.0003874	0.0009521	0.0009077	0.000959	0.0003751	0.0007619
Std. Dev.	0.0001044	0.0001974	0.0002607	0.000169	7.759E-05	0.0003341
Upper Lim.	0.0004647	0.001	0.001	0.001	0.0004237	0.001
Lower Lim.	0.0002981	0.000186	0.00024	0.000303	0.0003264	0.00034

# Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-5
3/22/2016	<0.001
5/17/2016	<0.001
7/12/2016	<0.001
9/13/2016	<0.001
11/16/2016	<0.001
1/16/2017	<0.001
3/20/2017	0.0022 (J)
5/23/2017	<0.001
2/22/2020	<0.001
10/23/2020	<0.001
3/15/2021	<0.001
10/6/2021	<0.001
3/15/2022	0.000233 (J)
10/4/2022	<0.001
4/18/2023	0.000295 (J)
10/26/2023	0.000185 (J)
Mean	0.0009321
Std. Dev.	0.0004558
Upper Lim.	0.0022
Lower Lim.	0.000295

# Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-9
1/29/2015	<0.002	<0.002	
3/3/2015	<0.002	<0.002	
4/7/2015	0.0021 (J)	<0.002	
5/14/2015	<0.002	<0.002	
6/3/2015	<0.002	<0.002	
6/18/2015	0.0043 (J)	0.0041 (J)	
6/30/2015	<0.002	<0.002	
7/15/2015	<0.002	<0.002	
1/11/2016	<0.002	<0.002	
3/21/2016			<0.002
3/22/2016	<0.002	<0.002	
5/16/2016	<0.002	<0.002	<0.002
7/11/2016	<0.002		<0.002
7/12/2016		<0.002	
9/12/2016	<0.002		
9/13/2016		<0.002	<0.002
11/16/2016	<0.002	<0.002	
11/17/2016			<0.002
1/16/2017	<0.002	<0.002	
1/17/2017			0.0024 (J)
3/20/2017	<0.002	<0.002	<0.002
5/22/2017	<0.002		
5/23/2017		<0.002	<0.002
11/27/2017	<0.002	<0.002	
2/21/2020			<0.002
2/22/2020	<0.002	<0.002	
10/22/2020			<0.002
10/23/2020	<0.002	<0.002	
3/15/2021	<0.002	<0.002	<0.002
10/6/2021	<0.002	<0.002	<0.002
3/14/2022	<0.002	<0.002	<0.002
10/3/2022	<0.002		<0.002
10/4/2022		<0.002	
4/17/2023	<0.002	<0.002	
4/18/2023			<0.002
10/26/2023	<0.002	<0.002	
10/27/2023			<0.002
Mean	0.002092	0.002081	0.002025
Std. Dev.	0.0004507	0.0004118	0.0001
Upper Lim.	0.0021	0.0041	0.0024
Lower Lim.	0.002	0.002	0.002

# Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals  
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016					0.0025	0.0015 (B1J)	0.0011 (B1J)
3/22/2016	0.002 (B1J)	0.0015 (B1J)	0.00096 (B1J)	0.0027			
5/16/2016	0.0015 (J)	0.0018 (J)		0.0025	0.0022 (J)		0.001 (J)
5/17/2016			0.00079 (J)			0.0014 (J)	
7/11/2016	0.0016 (J)			0.003	0.0023 (J)	0.0016 (J)	0.0012 (J)
7/12/2016		0.0014 (J)	0.00099 (J)				
9/12/2016	0.0019 (J)			0.0026	0.0024 (J)		
9/13/2016		0.0015 (J)	0.00084 (J)			0.0019 (J)	0.0012 (J)
11/16/2016	0.0016 (J)	0.0016 (J)	0.00097 (J)	0.0026	0.0022 (J)		
11/17/2016						0.0014 (J)	0.0011 (J)
1/16/2017	0.0018 (J)	0.0015 (J)	0.00088 (J)	0.0022 (J)	0.0021 (J)		
1/17/2017						0.0014 (J)	0.0011 (J)
3/20/2017	0.0017 (J)	0.0017 (J)	0.00096 (J)	0.0024 (J)	0.0025	0.0017 (J)	0.0012 (J)
5/22/2017	0.0017 (J)			0.0022 (J)	0.0025		
5/23/2017		0.0018 (J)	0.001 (J)			0.0015 (J)	0.0012 (J)
2/21/2020					0.00118 (J)	0.0016 (J)	0.0011 (J)
2/22/2020	0.00328	0.00148 (J)	0.001 (J)	0.00131 (J)			
4/14/2020	0.00377			0.00155 (J)	0.00131 (J)		
4/15/2020		0.00176 (J)	0.00117 (J)			0.00171 (J)	0.00121 (J)
10/22/2020					0.00111	0.00104	0.00108
10/23/2020	0.00289	0.00144	0.000951	0.0014			
3/15/2021	0.00341	0.00165	0.00112	0.00177	0.00146	0.00127	0.00137
10/6/2021	0.00327	0.00113	0.00137	0.00274	0.00241	0.00111	0.000969
3/14/2022	0.00259	0.00102				0.00117	0.000757
3/15/2022			0.00164	0.00341	0.00361		
10/3/2022	0.00202				0.00214	0.000726	0.000661
10/4/2022		0.00086	0.00217	0.00196			
4/17/2023	0.00157	0.00103					
4/18/2023			0.0042	0.00213	0.00232	0.00079	0.00074
10/26/2023	0.00158	0.00133	0.00311	0.00237	0.00241		
10/27/2023						0.00067	0.000945
Mean	0.002246	0.001441	0.001419	0.002285	0.002156	0.001323	0.001055
Std. Dev.	0.0007765	0.0002853	0.0009273	0.0005648	0.0006103	0.0003603	0.0001907
Upper Lim.	0.00327	0.00162	0.00164	0.002639	0.0025	0.001548	0.001174
Lower Lim.	0.00158	0.001262	0.000951	0.001931	0.00146	0.001097	0.0009353

# Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016					2.6	2.05	0.666
3/22/2016	2.09	1.13	1.43	1.15			
5/16/2016	2.22	1.07		1.25	3.23		1.06
5/17/2016			1.49			2.9	
7/11/2016	1.58			1.06	2.11	1.58	0.558 (U)
7/12/2016		0.701	1.65				
9/12/2016	2.52			1.27	2.67		
9/13/2016		1	1.51			1.7	1.04
11/16/2016	1.62	1.45	1.76	1.27	2.6		
11/17/2016						1.99	0.646
1/16/2017	2.37	0.786	1.83	1.48	2.82		
1/17/2017						2.54	0.777
3/20/2017	1.87	1.04	1.19	0.843	2.34	1.76	0.42
5/22/2017	1.82			0.878	2.44		
5/23/2017		1.05	0.851			2.09	0.574
2/21/2020					1.49	2.19	1.31
2/22/2020	3.17	0.845	0.786	0.649			
4/14/2020	3.99			0.702	1.36		
4/15/2020		1.51	1.02			2	0.76
10/22/2020					1.11	1.84	0.847
10/23/2020	2.74	1.6	1.42	1.25			
3/15/2021	3.06	1.35	1	0.911	1.41	1.78	0.674
10/6/2021	5.48	1.39	0.826	1.63	3.74	2.23	0.883
3/14/2022	3.53	0.585				2.16	0.715
3/15/2022			0.961	1.2	6.94		
10/3/2022	3.21				4.49	1.41	0.893
10/4/2022		0.719	1.32	1.66			
4/17/2023	2.05	0.593					
4/18/2023			1.55	0.606	5.17	1.18	0.65
10/26/2023	2.75	0.793	1.48	1	4.15		
10/27/2023						1.51	1.1
Mean	2.71	1.036	1.298	1.106	2.981	1.936	0.7984
Std. Dev.	0.992	0.3279	0.3361	0.3184	1.53	0.4195	0.2286
Upper Lim.	3.242	1.241	1.509	1.306	3.939	2.199	0.9417
Lower Lim.	2.09	0.8306	1.088	0.9069	2.022	1.673	0.6551

# Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016					<0.1	<0.1	<0.1
3/22/2016	0.04 (J)	<0.1	<0.1	<0.1			
5/16/2016	0.04 (J)	<0.1		<0.1	0.04 (J)		<0.1
5/17/2016			<0.1			<0.1	
7/11/2016	0.04 (J)			<0.1	0.04 (J)	<0.1	<0.1
7/12/2016		<0.1	<0.1				
9/12/2016	0.04 (J)			<0.1	<0.1		
9/13/2016		<0.1	<0.1			<0.1	<0.1
11/16/2016	0.04 (J)	<0.1	<0.1	<0.1	<0.1		
11/17/2016						<0.1	<0.1
1/16/2017	<0.1	<0.1	<0.1	<0.1	<0.1		
1/17/2017						<0.1	<0.1
3/20/2017	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
5/22/2017	0.04 (J)			0.05 (J)	0.04 (J)		
5/23/2017		<0.1	<0.1			<0.1	<0.1
10/17/2017	0.05 (J)						
10/18/2017		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6/1/2018					<0.1	<0.1	<0.1
6/2/2018	0.05 (J)	<0.1	<0.1	<0.1			
11/7/2018	0.05 (J)				<0.1	<0.1	
11/8/2018		<0.1	<0.1	<0.1			<0.1
4/19/2019	0.108	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6/7/2019	0.0937 (J)						
9/25/2019	0.198	<0.1	<0.1	<0.1	<0.1	0.0277 (J)	0.0313 (J)
11/29/2019	0.331						
2/21/2020					<0.1	<0.1	<0.1
2/22/2020	0.222	<0.1	<0.1	<0.1			
4/14/2020	0.23			0.0304 (J)	<0.1		
4/15/2020		<0.1	<0.1			<0.1	<0.1
10/22/2020					<0.1	<0.1	<0.1
10/23/2020	0.0988 (J)	<0.1	<0.1	<0.1			
3/15/2021	0.0991 (J)	<0.1	<0.1	<0.1	0.027 (J)	<0.1	<0.1
10/6/2021	0.11	<0.1	<0.1	<0.1	0.0317 (J)	0.0458 (J)	<0.1
3/14/2022	0.0643 (J)	<0.1				<0.1	<0.1
3/15/2022			<0.1	0.0268 (J)	0.0609 (J)		
10/3/2022	0.0388 (J)				0.032 (J)	<0.1	<0.1
10/4/2022		<0.1	<0.1	<0.1			
4/17/2023	0.0355 (J)	<0.1					
4/18/2023			<0.1	<0.1	0.0348 (J)	<0.1	<0.1
10/26/2023	0.0891 (J)	0.0792 (J)	0.0942 (J)	0.084 (J)	0.0398 (J)		
10/27/2023						<0.1	0.0267 (J)
Mean	0.09201	0.09905	0.09974	0.09051	0.07483	0.09425	0.09355
Std. Dev.	0.07713	0.004435	0.001237	0.02286	0.03153	0.01882	0.0209
Upper Lim.	0.108	0.1	0.1	0.1	0.1	0.1	0.1
Lower Lim.	0.04	0.0792	0.0942	0.084	0.0398	0.0458	0.0313



# Confidence Interval

Constituent: Lead (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-7	MW-8	MW-9
3/21/2016				<0.001	<0.001	<0.001
3/22/2016	0.00038 (B1J)	<0.001	<0.001			
5/16/2016	0.00047 (J)	<0.001		<0.001		<0.001
5/17/2016			<0.001		<0.001	
7/11/2016	0.0004 (J)			<0.001	<0.001	<0.001
7/12/2016		<0.001	<0.001			
9/12/2016	<0.0013			<0.001		
9/13/2016		<0.001	<0.001		<0.001	<0.001
11/16/2016	0.00041 (J)	<0.001	<0.001	<0.001		
11/17/2016					<0.001	<0.001
1/16/2017	0.00039 (J)	<0.001	<0.001	<0.001		
1/17/2017					<0.001	<0.001
3/20/2017	0.00039 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
5/22/2017	0.00044 (J)			<0.001		
5/23/2017		<0.001	<0.001		<0.001	<0.001
2/21/2020				0.000132 (J)	0.000128 (J)	0.00017 (J)
2/22/2020	0.00126	<0.001	<0.001			
4/14/2020	0.00142			0.000165 (J)		
4/15/2020		0.000192 (J)	0.000153 (J)		0.000147 (J)	0.000215 (J)
10/22/2020				<0.001	<0.001	<0.001
10/23/2020	0.00083 (J)	<0.001	<0.001			
3/15/2021	0.000889 (J)	<0.001	<0.001	<0.001	<0.001	0.000159 (J)
10/6/2021	0.00107	0.000161 (J)	<0.001	0.00017 (J)	<0.001	<0.001
3/14/2022	0.000932 (J)	0.000224 (J)			<0.001	<0.001
3/15/2022			0.000592 (J)	0.000368 (J)		
10/3/2022	0.000758 (J)			0.000219 (J)	<0.001	<0.001
10/4/2022		<0.001	<0.001			
4/17/2023	0.000545 (J)	<0.001				
4/18/2023			<0.001	0.000225 (J)	<0.001	<0.001
10/26/2023	0.000545 (J)	<0.001	<0.001	0.000215 (J)		
10/27/2023					<0.001	<0.001
Mean	0.0006929	0.0008575	0.0009262	0.0006761	0.0008985	0.0008555
Std. Dev.	0.0003276	0.0003176	0.0002224	0.0004018	0.0002865	0.0003219
Upper Lim.	0.0008534	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0004805	0.000224	0.000592	0.000215	0.000147	0.000215

# Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9
3/21/2016					<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005			
5/16/2016	<0.005	<0.005		<0.005	<0.005		<0.005
5/17/2016			<0.005			<0.005	
7/11/2016	<0.005			<0.005	<0.005	<0.005	<0.005
7/12/2016		<0.005	<0.005				
9/12/2016	<0.005			<0.005	<0.005		
9/13/2016		<0.005	<0.005			<0.005	<0.005
11/16/2016	<0.005	<0.005	<0.005	<0.005	<0.005		
11/17/2016						<0.005	<0.005
1/16/2017	<0.005	<0.005	<0.005	<0.005	<0.005		
1/17/2017						<0.005	<0.005
3/20/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
5/22/2017	<0.005			<0.005	<0.005		
5/23/2017		<0.005	<0.005			<0.005	<0.005
2/21/2020					<0.005	<0.005	<0.005
2/22/2020	<0.005	<0.005	<0.005	<0.005			
10/22/2020					<0.005	<0.005	<0.005
10/23/2020	<0.005	<0.005	<0.005	<0.005			
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/14/2022	0.00145 (J)	0.00205 (J)				0.00105 (J)	0.0011 (J)
3/15/2022			0.00142 (J)	0.00191 (J)	0.00192 (J)		
10/3/2022	0.00168 (J)				0.00179 (J)	0.000959 (J)	0.00106 (J)
10/4/2022		0.00206 (J)	0.00138 (J)	0.00139 (J)			
4/17/2023	0.00208 (J)	<0.005					
4/18/2023			<0.005	<0.005	0.00271 (J)	<0.005	0.00209 (J)
10/26/2023	<0.005	<0.005	<0.005	<0.005	<0.005		
10/27/2023						<0.005	<0.005
Mean	0.004388	0.004632	0.00455	0.004581	0.004464	0.004501	0.004328
Std. Dev.	0.001321	0.001006	0.00123	0.001148	0.001167	0.001365	0.00146
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00208	0.00206	0.00142	0.00191	0.00271	0.00105	0.00209

# Confidence Interval

Constituent: Mercury (mg/L)    Analysis Run 12/8/2023 10:41 AM    View: Confidence Intervals  
 Plant Daniel    Client: Southern Company    Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-6
1/29/2015	0.00012 (J)	0.00012 (J)	
3/3/2015	<0.0002	<0.0002	
4/7/2015	<0.0002	<0.0002	
5/14/2015	<0.0002	<0.0002	
6/3/2015	8.5E-05 (J)	<0.0002	
6/18/2015	<0.0002	<0.0002	
6/30/2015	<0.0002	<0.0002	
7/15/2015	<0.0002	<0.0002	
1/11/2016	8.8E-05 (J)	8.7E-05 (J)	
3/22/2016	<0.0002 (*)	<0.0002 (*)	<0.0002 (*)
5/16/2016	<0.0002	<0.0002	<0.0002
7/11/2016	<0.0002		<0.0002
7/12/2016		<0.0002	
9/12/2016	<0.0002		<0.0002
9/13/2016		<0.0002	
11/16/2016	<0.0002	<0.0002	<0.0002
1/16/2017	<0.0002	<0.0002	<0.0002
3/20/2017	<0.0002	<0.0002	<0.0002
5/22/2017	<0.0002		<0.0002
5/23/2017		<0.0002	
11/27/2017	<0.0002	0.00022	
2/22/2020	<0.0002	<0.0002	<0.0002
10/23/2020	<0.0002	<0.0002	<0.0002
3/15/2021	<0.0002	<0.0002	<0.0002
10/6/2021	<0.0002	<0.0002	<0.0002
3/14/2022	<0.0002	<0.0002	
3/15/2022			<0.0002
10/3/2022	<0.0002		
10/4/2022		<0.0002	0.00143
4/17/2023	<0.0002	<0.0002	
4/18/2023			0.00242
10/26/2023	<0.0002	<0.0002	0.000149 (J)
Mean	0.0001882	0.0001933	0.0004124
Std. Dev.	3.379E-05	2.714E-05	0.0006176
Upper Lim.	0.0002	0.0002	0.00143
Lower Lim.	0.00012	0.00012	0.000149

# Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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	MW-8
3/21/2016	<0.005
5/17/2016	<0.005
7/11/2016	<0.005
9/13/2016	<0.005
11/17/2016	<0.005
1/17/2017	<0.005
3/20/2017	<0.005
5/23/2017	<0.005
2/21/2020	<0.005
10/22/2020	<0.005
3/15/2021	0.00192 (J)
10/6/2021	<0.005
3/14/2022	<0.005
10/3/2022	<0.005
4/18/2023	<0.005
10/27/2023	<0.005
Mean	0.004807
Std. Dev.	0.00077
Upper Lim.	0.005
Lower Lim.	0.00192

# Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4	MW-5	MW-9
1/29/2015	<0.005	<0.005		
3/3/2015	<0.005	<0.005		
4/7/2015	<0.005	<0.005		
5/14/2015	<0.005	<0.005		
6/3/2015	<0.005	<0.005		
6/18/2015	0.0056 (J)	<0.005		
6/30/2015	0.0062 (J)	0.0044 (J)		
7/15/2015	<0.005	<0.005		
1/11/2016	<0.005	<0.005		
3/21/2016				<0.005
3/22/2016	<0.005	<0.005	<0.005	
5/16/2016	<0.005	<0.005		0.00031 (J)
5/17/2016			<0.005	
7/11/2016	<0.005			0.0004 (J)
7/12/2016		<0.005	<0.005	
9/12/2016	<0.005			
9/13/2016		<0.005	<0.005	<0.005 (*)
11/16/2016	<0.005	<0.005	<0.005	
11/17/2016				<0.005
1/16/2017	<0.005	<0.005	<0.005	
1/17/2017				<0.005
3/20/2017	<0.005 (*)	<0.005	<0.005	<0.005
5/22/2017	<0.005			
5/23/2017		<0.005	0.0003 (J)	<0.005
11/27/2017	<0.005	<0.005		
2/21/2020				<0.005
2/22/2020	<0.005	<0.005	<0.005	
10/22/2020				<0.005
10/23/2020	<0.005	<0.005	<0.005	
3/15/2021	<0.005	<0.005	<0.005	<0.005
10/6/2021	<0.005	<0.005	<0.005	<0.005
3/14/2022	<0.005	<0.005		<0.005
3/15/2022			<0.005	
10/3/2022	<0.005			<0.005
10/4/2022		<0.005	<0.005	
4/17/2023	<0.005	<0.005		
4/18/2023			<0.005	<0.005
10/26/2023	<0.005	<0.005	<0.005	
10/27/2023				<0.005
Mean	0.005069	0.004977	0.004706	0.004419
Std. Dev.	0.0002589	0.0001177	0.001175	0.001587
Upper Lim.	0.0056	0.005	0.005	0.005
Lower Lim.	0.005	0.0044	0.0003	0.0004

# Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 12/8/2023 10:41 AM View: Confidence Intervals  
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-5
3/22/2016	<0.001	<0.001
5/16/2016	<0.001	
5/17/2016		<0.001
7/11/2016	<0.001	
7/12/2016		<0.001
9/12/2016	<0.001	
9/13/2016		<0.001
11/16/2016	<0.001	<0.001
1/16/2017	<0.001	<0.001
3/20/2017	<0.001	<0.001
5/22/2017	<0.001	
5/23/2017		<0.001
2/22/2020	<0.001	<0.001
10/23/2020	<0.001	<0.001
3/15/2021	<0.001	<0.001
10/6/2021	0.000269 (J)	0.000231 (J)
3/14/2022	<0.001	
3/15/2022		<0.001
10/3/2022	<0.001	
10/4/2022		<0.001
4/17/2023	<0.001	
4/18/2023		<0.001
10/26/2023	<0.001	<0.001
Mean	0.0009543	0.0009519
Std. Dev.	0.0001828	0.0001923
Upper Lim.	0.001	0.001
Lower Lim.	0.000269	0.000231