

**2022 ANNUAL GROUNDWATER MONITORING AND
CORRECTIVE ACTION REPORT**

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

January 31, 2023

Prepared for

Mississippi Power Company
Gulfport, Mississippi

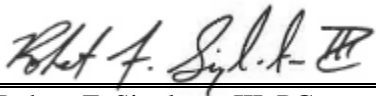
By

Southern Company Services
Earth Science and Environmental Engineering



CERTIFICATION STATEMENT

This *2022 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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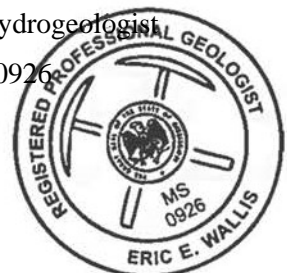
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SITE SUMMARY

In accordance with the United States Environmental Protection Agency (EPA) coal combustion residual (CCR) rule (40 CFR Part 257, Subpart D), this *2022 Annual Groundwater Monitoring and Corrective Action Report* has been prepared to document 2022 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 and therefore, the GSA will remain in assessment monitoring.

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

Monitoring Period Summary Plant Daniel - Gypsum Storage Area

Monitoring Period: January 1 - December 31, 2022

Beginning Status: Assessment

Ending Status: Assessment

STATISTICAL ANALYSIS RESULTS*

Appendix III SSIs

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

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 *2022 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 2022 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 situated immediately 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 located 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, generally 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 located in the Citronelle 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 generally 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 2022; 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 2022 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 March 2022, and the semi-annual monitoring event was repeated in October 2022 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

Prior to each sampling event, groundwater levels were measured and recorded to the nearest 0.01 foot within a 24-hour period. Groundwater levels recorded during the monitoring events are summarized in **Table 2, Groundwater Elevations Summary - 2022**. 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 2022 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 ranges from 25 feet per day. The hydraulic gradient was calculated between well pairs shown on **Table 3, Groundwater Flow Velocity Calculations - 2022**. 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 (U.S. USEPA, 1996).

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 0.0014 ft/ft to 0.0019 ft/ft. As presented on **Table 3**, groundwater flow velocity at the site ranges from approximately 0.18 feet/day (or approximately 64.51 feet/year) to 0.24 feet/day (or approximately 89.10

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 Test America, Inc. (TAL) of Pittsburgh, Pennsylvania. TAL is accredited by National Environmental Laboratory Accreditation Program (NELAP). TestAmerica 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, a comparison of results between samples and field duplicate samples are used as measure of laboratory precision. For groundwater analytical data, quality control procedures include calculating the relative percent difference between the sample and duplicate sample concentrations. This is calculated as:

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

Where:

RPD = Relative Percent Difference (%)

Conc1 = Higher concentration of the sample or field duplicate

Conc2 = Lower concentration of the sample or field duplicate

Relative percent differences are calculated for all detected concentrations 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 Calculation**, provides the relative percent differences for sample and sample duplicates during 2022 sampling events.

An RPD greater than 20% was noted for fluoride and Total Dissolved Solids (TDS) in calculations for MW-7 and Dup-01 from the first semi-annual sampling event in March 2022. When RPD results are greater than 20% and both the original sample and field duplicate results are greater than five times the RL, the results are qualified with “(+).” When the difference of the original sample and field duplicate results are greater than the RL, the results are qualified with “(+).” The fluoride results for MW-7 and Dup-01 are less than five times the RL and the difference of the results is less than the RL; therefore, the data does not need further validation or additional qualifiers. A summary of qualified data from the first semi-annual event is provided below.

Sample Location	Constituent	Sample Concentration (mg/L)	Field Duplicate Concentration (mg/L)	RPD (%)	Reporting Limit (mg/L)	Data Qualifier
MW-7	TDS	54.0 mg/L	85.0 mg/L	44.6%	10.0 mg/L	(+) J

There were no RPD calculated that exceeded 20% during the second semi-annual sampling event.

During the second semi-annual sampling event, antimony was detected at estimated (J-flagged) concentrations in the equipment blank (0.000583 mg/L) and the field blank (0.000759 mg/L). 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) as well as with the EPA Unified Guidance (2009).

5.1.1 Appendix III Evaluation

Statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits combined with a 1-of-2 verification resample plan for each of the Appendix III parameters. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the same limit for each parameter. 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 2022 semi-annual monitoring events in March 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-7: Calcium
- MW-9: TDS

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

- MW-2 (upgradient): pH

- MW-3: Calcium, Chloride
- MW-5: Sulfate
- MW-7: TDS
- 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 2022 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 2022 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 March 2022, and the semi-annual monitoring was repeated in October 2022 pursuant to 40 CFR § 257.95(f). Statistical evaluations of the 2022 assessment monitoring data identified no SSL's 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 2023.
- Submit the 2023 Annual Groundwater and Corrective Report by January 31, 2024.

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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- 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**

Well ID	Purpose	Installation Date	Latitude	Longitude	Total Well Depth (feet)	Top of Casing Elevation (feet MSL)	Ground Elevation (feet MSL)	Top of Screen Elevation (feet MSL)	Bottom of Screen Elevation (feet MSL)
MW-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 - 2022

Well ID	Top of Casing Elevation (feet MSL)	Groundwater Elevations (feet MSL)	
		March 14, 2022	October 3, 2022
MW-1	38.89	15.73	16.70
MW-2	37.46	15.53	16.55
MW-3	37.71	13.28	12.87
MW-4	39.16	14.18	14.97
MW-5	39.28	14.98	15.85
MW-6	37.60	12.11	13.87
MW-7	34.60	12.01	12.64
MW-8	35.39	12.88	13.59
MW-9	36.10	14.14	14.99
MW-10	39.12	16.34	17.45

Notes:

1. MSL refers to Mean Sea Level

Table 3.
Groundwater Flow Velocity Calculations - 2022

Flow Path A								
	MW-1	MW-7	Distance	Hydraulic Gradient	Hydraulic Conductivity	Assumed Effective Porosity (ne)	Calculated Groundwater Flow Velocity (feet/day)	Calculated Groundwater Flow Velocity (feet/year)
	h₁ (ft)	h₂ (ft)	Δl (ft)	Δh/Δl (ft/ft)	K			
March 14, 2022	15.73	12.01	2086.47	0.0018	25.09	0.2	0.22	81.64
October 3, 2022	16.70	12.64	2086.47	0.0019	25.09	0.2	0.24	89.10

Flow Path B								
	MW-10	MW-6	Distance	Hydraulic Gradient	Hydraulic Conductivity	Assumed Effective Porosity (ne)	Calculated Groundwater Flow Velocity (feet/day)	Calculated Groundwater Flow Velocity (feet/year)
	h₁ (ft)	h₂ (ft)	Δl (ft)	Δh/Δl (ft/ft)	K			
March 14, 2022	16.34	12.11	2540.99	0.0017	25.09	0.2	0.21	76.23
October 3, 2022	17.45	13.87	2540.99	0.0014	25.09	0.2	0.18	64.51

Notes:

ft=feet

ft/d = feet/day

ft/ft = feet per foot

ft/yr = feet per year

Table 4.
Relative Percent Difference Calculations

1st Semi-Annual Monitoring Event				
Parameter	Units	Monitoring Point Identification		Relative Percent Difference (RPD %)
		MW-7	Dup-01	
Chloride	mg/L	12.8	12.8	0.0
Fluoride	mg/L	0.0609	0.134	75.0
Arsenic	mg/L	0.000282	0.000294	4.2
Barium	mg/L	0.300	0.295	1.7
Beryllium	mg/L	0.000562	0.000505	10.7
Calcium	mg/L	3.45	3.43	0.6
Cobalt	mg/L	0.00361	0.00369	2.2
Lead	mg/L	0.000368	0.000366	0.5
Lithium	mg/L	0.00192	0.00169	12.7
TDS	mg/L	54.0	85.0	44.6

2nd Semi-Annual Monitoring Event				
Parameter	Units	Monitoring Point Identification		Relative Percent Difference (RPD %)
		MW-3	Dup-01	
Chloride	mg/L	12.3	12.3	0.0
Fluoride	mg/L	0.0388	0.0380	2.1
Sulfate	mg/L	1.25	1.07	15.5
Barium	mg/L	0.135	0.1	1.5
Beryllium	mg/L	0.000349	0.000341	2.3
Calcium	mg/L	2.19	2.10	4.2
Cobalt	mg/L	0.00202	0.00205	1.5
Lead	mg/L	0.000758	0.000692	9.1
Lithium	mg/L	0.00168	0.00181	7.4
TDS	mg/L	61.0	57.0	6.8

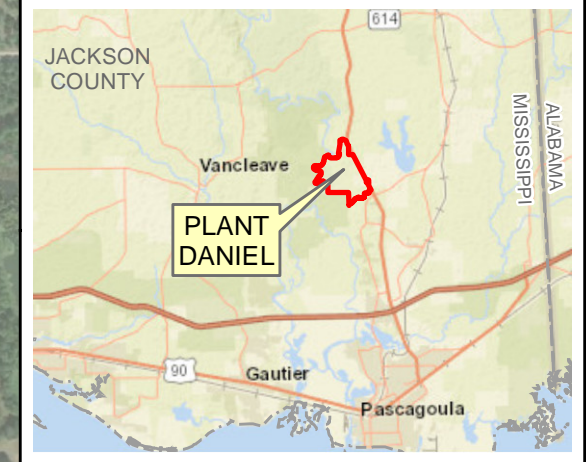
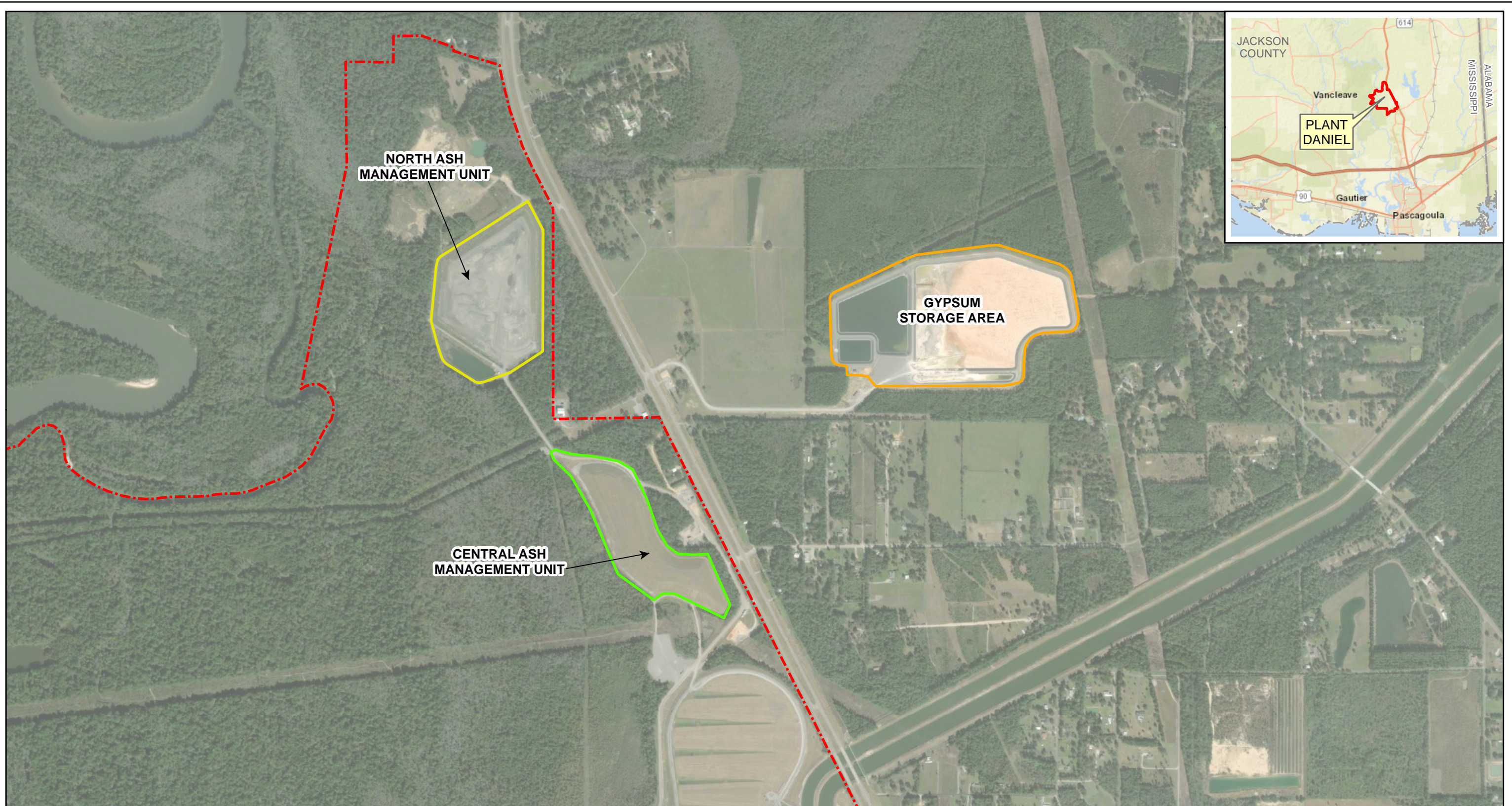
Table 5.
Summary of Background Levels and Groundwater Protection Standards





Analyte	Units	Background	GWPS
Antimony	mg/L	0.002	0.006
Arsenic	mg/L	0.0063	0.01
Barium	mg/L	0.22	2
Beryllium	mg/L	0.001	0.004
Cadmium	mg/L	0.001	0.005
Chromium	mg/L	0.0073	0.1
Cobalt	mg/L	0.0044	0.006
Combined Radium-226/228	pCi/L	3.32	5
Fluoride	mg/L	0.1	4
Lead	mg/L	0.001	0.015
Lithium	mg/L	0.005	0.04
Mercury	mg/L	0.00031	0.002
Molybdenum	mg/L	0.005	0.1
Selenium	mg/L	0.0071	0.05
Thallium	mg/L	0.001	0.002

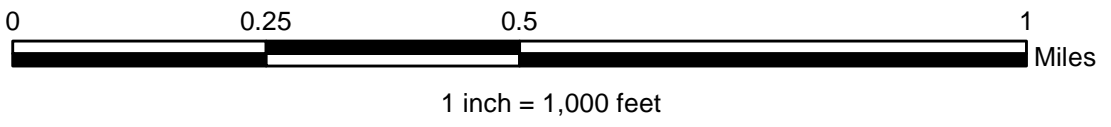
Notes:

1. mg/L - Milligrams per liter
2. pCi/L - Picocuries per liter
3. The background limits were used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h).


Figures



- Legend**
-  Central Ash Management Unit
 -  Gypsum Storage Area
 -  North Ash Management Unit
 -  Property Boundary (Approximate)



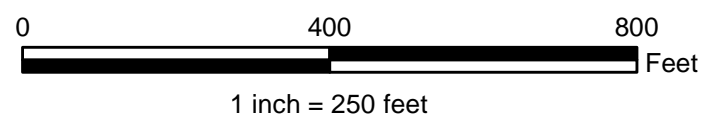
SCALE	1:12000
DATE	2/4/2021
DRAWN BY	KAR
CHECKED BY	RFS

DRAWING TITLE	
SITE LOCATION MAP PLANT DANIEL GYPSUM STORAGE AREA	
DRAWING NO	FIGURE 1
	



Legend

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

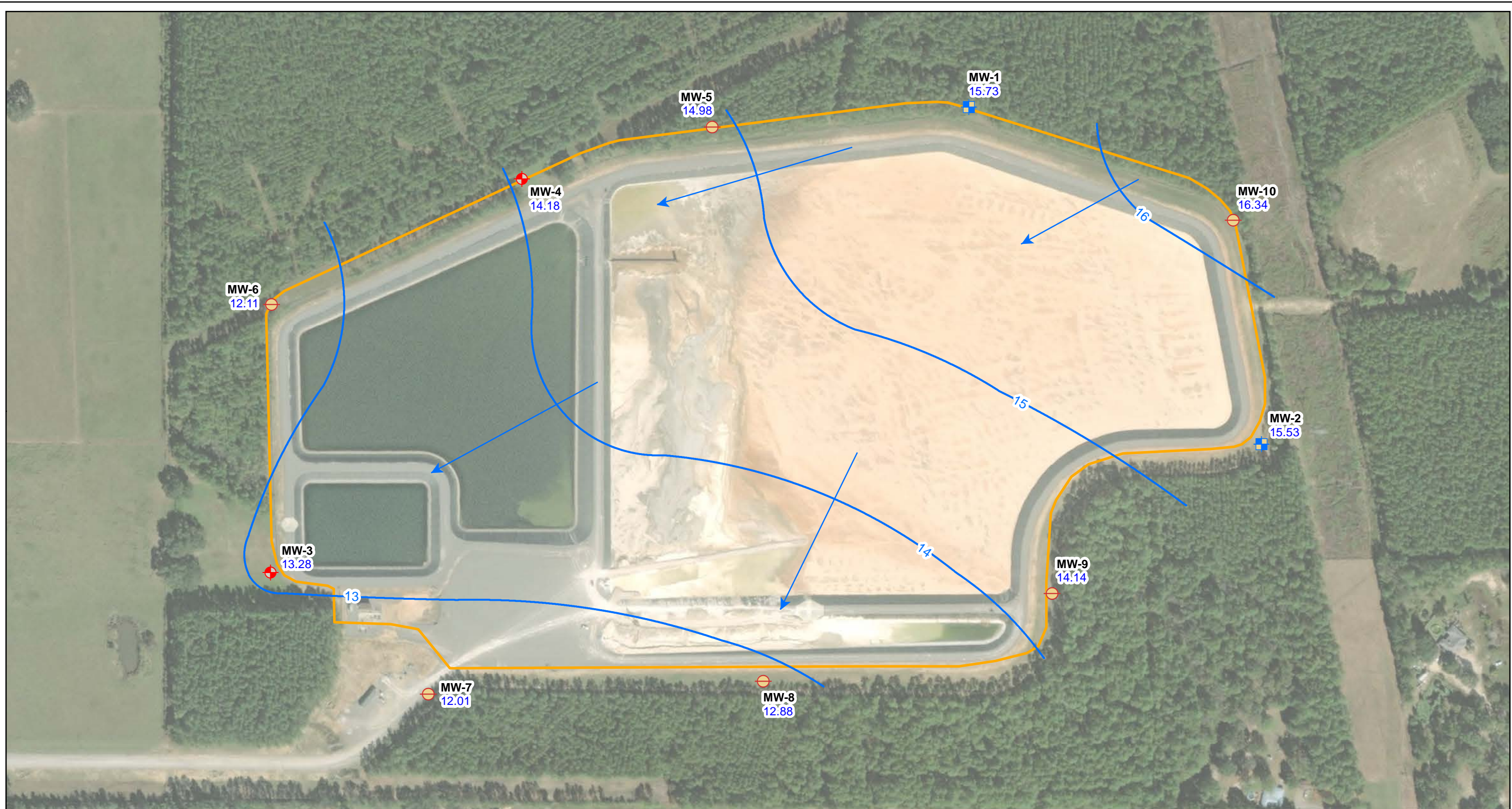


SCALE	1:3000
DATE	2/4/2021
DRAWN BY	KAR
CHECKED BY	RFS

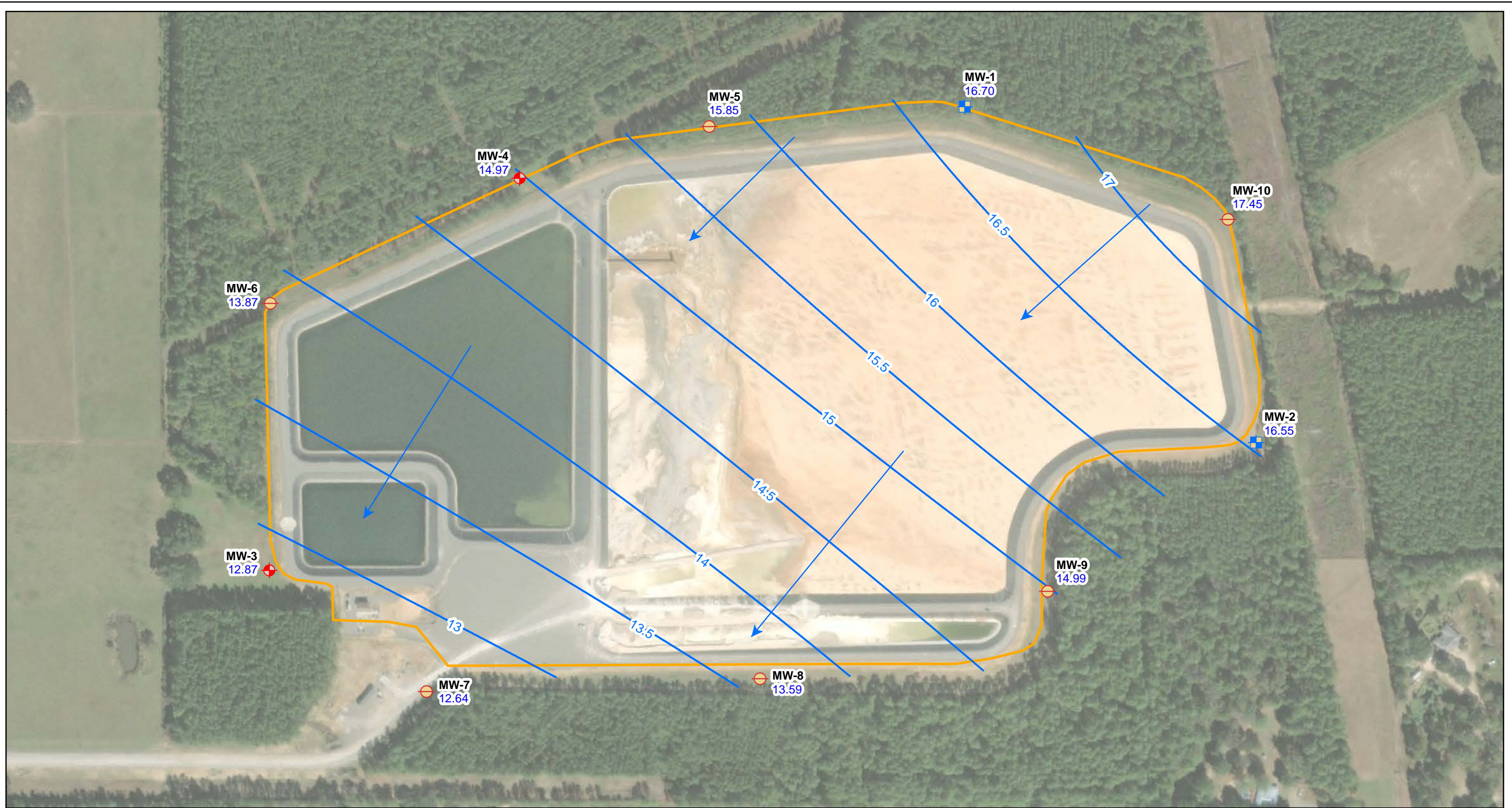
DRAWING TITLE
**MONITORING WELL LOCATION MAP
 PLANT DANIEL
 GYPSUM STORAGE AREA**

DRAWING NO
FIGURE 2





Legend Upgradient Monitoring Well Downgradient Monitoring Well Piezometer (Water Level Only) Estimated Potentiometric Surface Contour Approximate Groundwater Flow Direction Gypsum Storage Area MW-1 Well Name 15.73 Groundwater Elevation (ft NAVD88)	 Note: ft NAVD88 indicates feet relative to the North American Vertical Datum of 1988.	SCALE	1:3000	DRAWING TITLE POTENTIOMETRIC SURFACE CONTOUR MAP MARCH 14, 2022 PLANT DANIEL GYPSUM STORAGE AREA
		DATE	8/12/2022	
		DRAWN BY	KAR	
		CHECKED BY	RFS	DRAWING NO



Legend Upgradient Monitoring Well Downgradient Monitoring Well Piezometer (Water Level Only) MW-1 Well Name 16.70 Groundwater Elevation (ft NAVD88)	Estimated Potentiometric Surface Contour Approximate Groundwater Flow Direction Gypsum Storage Area	N 0 400 800 Feet 1 inch = 250 feet Note: ft NAVD88 indicates feet relative to the North American Vertical Datum of 1988.	SCALE 1:3000	DRAWING TITLE	
			DATE 1/18/2023	POTENTIOMETRIC SURFACE CONTOUR MAP	
			DRAWN BY KAR	OCTOBER 3, 2022	
			CHECKED BY RFS	PLANT DANIEL GYPSUM STORAGE AREA	
			DRAWING NO	FIGURE 4	Southern Company

Appendix A

1st
Semi-Annual
Monitoring Event

ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-135240-1
Client Project/Site: Plant Daniel GSA

For:
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Attn: Robert Singleton



Authorized for release by:
4/11/2022 9:27:46 PM

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

LINKS

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results through
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www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416



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Case Narrative

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Job ID: 180-135240-1

Laboratory: Eurofins Pittsburgh

Narrative

**Job Narrative
180-135240-1**

Comments

No additional comments.

Receipt

The samples were received on 3/16/2022 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 2 coolers at receipt time were 3.1° C and 3.1° C.

GC Semi VOA

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

RAD

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

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

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Definitions/Glossary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

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	06-27-22
California	State	2891	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	03-31-22 *
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22 *
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-02-22 *
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-22
Oregon	NELAP	PA-2151	02-06-22 *
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21 *
South Carolina	State	89014	06-30-22
Texas	NELAP	T104704528	03-31-23
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

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

Eurofins Pittsburgh

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-135240-1	MW-1	Water	03/14/22 14:30	03/16/22 09:30
180-135240-2	MW-2	Water	03/14/22 13:12	03/16/22 09:30
180-135240-3	MW-3	Water	03/14/22 12:43	03/16/22 09:30
180-135240-4	MW-4	Water	03/14/22 14:16	03/16/22 09:30
180-135240-5	MW-5	Water	03/15/22 08:15	03/18/22 09:00
180-135240-6	MW-6	Water	03/15/22 07:47	03/16/22 09:30
180-135240-7	MW-7	Water	03/15/22 09:45	03/18/22 09:00
180-135240-8	MW-8	Water	03/14/22 17:30	03/16/22 09:30
180-135240-9	MW-9	Water	03/14/22 16:40	03/16/22 09:30
180-135240-10	MW-10	Water	03/14/22 15:35	03/16/22 09:30
180-135240-11	DUP-01	Water	03/15/22 08:45	03/18/22 09:00
180-135240-12	FB-1	Water	03/15/22 08:15	03/16/22 09:30
180-135240-13	EB-1	Water	03/15/22 08:09	03/16/22 09:30

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Method Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	TAL PIT
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

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:

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-1

Lab Sample ID: 180-135240-1

Date Collected: 03/14/22 14:30

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 04:24	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 18:44	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	392999	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 14:07	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-135240-2

Date Collected: 03/14/22 13:12

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 01:46	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 18:47	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:03	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-135240-3

Date Collected: 03/14/22 12:43

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 02:00	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 18:50	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:04	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-4

Lab Sample ID: 180-135240-4

Date Collected: 03/14/22 14:16

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 02:15	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 18:52	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:05	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-135240-5

Date Collected: 03/15/22 08:15

Matrix: Water

Date Received: 03/18/22 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			393561	03/31/22 02:29	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392433	03/21/22 13:08	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392849	03/23/22 08:31	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:06	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-6

Lab Sample ID: 180-135240-6

Date Collected: 03/15/22 07:47

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 02:43	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 19:00	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:07	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-7

Lab Sample ID: 180-135240-7

Date Collected: 03/15/22 09:45

Matrix: Water

Date Received: 03/18/22 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			393561	03/31/22 02:58	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392433	03/21/22 13:08	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392849	03/23/22 08:33	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:08	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392459	03/21/22 15:17	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-8

Lab Sample ID: 180-135240-8

Date Collected: 03/14/22 17:30

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 03:41	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 19:03	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:09	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-9

Lab Sample ID: 180-135240-9

Date Collected: 03/14/22 16:40

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 03:56	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 19:05	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:05	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:10	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-10

Lab Sample ID: 180-135240-10

Date Collected: 03/14/22 15:35

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 04:10	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 19:08	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:14	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: DUP-01

Lab Sample ID: 180-135240-11

Date Collected: 03/15/22 08:45

Matrix: Water

Date Received: 03/18/22 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			393561	03/31/22 05:08	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392433	03/21/22 13:08	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392849	03/23/22 08:36	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:15	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

Client Sample ID: FB-1

Lab Sample ID: 180-135240-12

Date Collected: 03/15/22 08:15

Matrix: Water

Date Received: 03/16/22 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			393561	03/31/22 05:22	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 19:10	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:16	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392227	03/18/22 13:32	JCR	TAL PIT
Instrument ID: NOEQUIP										

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Lab Chronicle

Client: Southern Company
 Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: EB-1

Lab Sample ID: 180-135240-13

Date Collected: 03/15/22 08:09

Matrix: Water

Date Received: 03/16/22 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			394541	04/07/22 13:45	JRB	TAL PIT
Instrument ID: INTEGRION										
Total Recoverable	Prep	3005A			25 mL	25 mL	392240	03/18/22 14:36	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 19:13	RSK	TAL PIT
Instrument ID: NEMO										
Total/NA	Prep	7470A			25 mL	25 mL	393000	03/25/22 06:55	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393210	03/27/22 17:17	RJR	TAL PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	392228	03/18/22 13:33	JCR	TAL PIT
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

- KFS = Kelly Shannon
- RGM = Rebecca Manns
- RJR = Ron Rosenbaum

Batch Type: Analysis

- JCR = Jessica Rodgers
- JRB = James Burzio
- RJR = Ron Rosenbaum
- RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-1
Date Collected: 03/14/22 14:30
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-1
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.24		1.00	0.713	mg/L			03/31/22 04:24	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/31/22 04:24	1
Sulfate	9.59		1.00	0.756	mg/L			03/31/22 04:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 18:44	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 18:44	1
Barium	0.0978		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 18:44	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 18:44	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 18:44	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 18:44	1
Calcium	2.65		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 18:44	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 18:44	1
Cobalt	0.00122		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 18:44	1
Lead	0.000227	J	0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 18:44	1
Lithium	0.000867	J	0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 18:44	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 18:44	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 18:44	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 18:44	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	38.0		10.0	10.0	mg/L			03/18/22 13:32	1

Client Sample ID: MW-2
Date Collected: 03/14/22 13:12
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-2
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.54		1.00	0.713	mg/L			03/31/22 01:46	1
Fluoride	0.0271	J	0.100	0.0260	mg/L			03/31/22 01:46	1
Sulfate	0.861	J	1.00	0.756	mg/L			03/31/22 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 18:47	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 18:47	1
Barium	0.0576		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 18:47	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 18:47	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 18:47	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 18:47	1
Calcium	0.982		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 18:47	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 18:47	1
Cobalt	0.000945		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 18:47	1
Lead	0.000267	J	0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 18:47	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-2

Lab Sample ID: 180-135240-2

Date Collected: 03/14/22 13:12

Matrix: Water

Date Received: 03/16/22 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.000994	J	0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 18:47	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 18:47	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 18:47	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 18:47	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	29.0		10.0	10.0	mg/L			03/18/22 13:32	1

Client Sample ID: MW-3

Lab Sample ID: 180-135240-3

Date Collected: 03/14/22 12:43

Matrix: Water

Date Received: 03/16/22 09:30

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		1.00	0.713	mg/L			03/31/22 02:00	1
Fluoride	0.0643	J	0.100	0.0260	mg/L			03/31/22 02:00	1
Sulfate	2.20		1.00	0.756	mg/L			03/31/22 02:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 18:50	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 18:50	1
Barium	0.164		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 18:50	1
Beryllium	0.000406	J	0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 18:50	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 18:50	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 18:50	1
Calcium	2.87		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 18:50	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 18:50	1
Cobalt	0.00259		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 18:50	1
Lead	0.000932	J	0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 18:50	1
Lithium	0.00145	J	0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 18:50	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 18:50	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 18:50	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 18:50	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	42.0		10.0	10.0	mg/L			03/18/22 13:32	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-4
Date Collected: 03/14/22 14:16
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-4
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.55		1.00	0.713	mg/L			03/31/22 02:15	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/31/22 02:15	1
Sulfate	2.04		1.00	0.756	mg/L			03/31/22 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 18:52	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 18:52	1
Barium	0.0436		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 18:52	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 18:52	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 18:52	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 18:52	1
Calcium	0.873		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 18:52	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 18:52	1
Cobalt	0.00102		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 18:52	1
Lead	0.000224 J		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 18:52	1
Lithium	0.00205 J		0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 18:52	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 18:52	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 18:52	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 18:52	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	16.0		10.0	10.0	mg/L			03/18/22 13:32	1

Client Sample ID: MW-5
Date Collected: 03/15/22 08:15
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-5
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.61		1.00	0.713	mg/L			03/31/22 02:29	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/31/22 02:29	1
Sulfate	5.54		1.00	0.756	mg/L			03/31/22 02:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/21/22 13:08	03/23/22 08:31	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/21/22 13:08	03/23/22 08:31	1
Barium	0.0515		0.0100	0.00314	mg/L		03/21/22 13:08	03/23/22 08:31	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/21/22 13:08	03/23/22 08:31	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/21/22 13:08	03/23/22 08:31	1
Cadmium	0.000233 J		0.00100	0.000217	mg/L		03/21/22 13:08	03/23/22 08:31	1
Calcium	1.70 B		0.500	0.127	mg/L		03/21/22 13:08	03/23/22 08:31	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/21/22 13:08	03/23/22 08:31	1
Cobalt	0.00164		0.000500	0.000261	mg/L		03/21/22 13:08	03/23/22 08:31	1
Lead	0.000592 J B		0.00100	0.000167	mg/L		03/21/22 13:08	03/23/22 08:31	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-5
Date Collected: 03/15/22 08:15
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.00142	J	0.00500	0.000831	mg/L		03/21/22 13:08	03/23/22 08:31	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/21/22 13:08	03/23/22 08:31	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/21/22 13:08	03/23/22 08:31	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/21/22 13:08	03/23/22 08:31	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	12.0		10.0	10.0	mg/L			03/18/22 13:32	1

Client Sample ID: MW-6
Date Collected: 03/15/22 07:47
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-6
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.56		1.00	0.713	mg/L			03/31/22 02:43	1
Fluoride	0.0268	J	0.100	0.0260	mg/L			03/31/22 02:43	1
Sulfate	0.791	J	1.00	0.756	mg/L			03/31/22 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 19:00	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 19:00	1
Barium	0.0789		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 19:00	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 19:00	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 19:00	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 19:00	1
Calcium	1.22		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 19:00	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 19:00	1
Cobalt	0.00341		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 19:00	1
Lead	<0.000167		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 19:00	1
Lithium	0.00191	J	0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 19:00	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 19:00	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 19:00	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 19:00	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	24.0		10.0	10.0	mg/L			03/18/22 13:32	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-7
Date Collected: 03/15/22 09:45
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-7
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		1.00	0.713	mg/L			03/31/22 02:58	1
Fluoride	0.0609	J	0.100	0.0260	mg/L			03/31/22 02:58	1
Sulfate	<0.756		1.00	0.756	mg/L			03/31/22 02:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/21/22 13:08	03/23/22 08:33	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/21/22 13:08	03/23/22 08:33	1
Barium	0.300		0.0100	0.00314	mg/L		03/21/22 13:08	03/23/22 08:33	1
Beryllium	0.000562	J	0.00100	0.000274	mg/L		03/21/22 13:08	03/23/22 08:33	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/21/22 13:08	03/23/22 08:33	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/21/22 13:08	03/23/22 08:33	1
Calcium	3.45	B	0.500	0.127	mg/L		03/21/22 13:08	03/23/22 08:33	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/21/22 13:08	03/23/22 08:33	1
Cobalt	0.00361		0.000500	0.000261	mg/L		03/21/22 13:08	03/23/22 08:33	1
Lead	0.000368	J B	0.00100	0.000167	mg/L		03/21/22 13:08	03/23/22 08:33	1
Lithium	0.00192	J	0.00500	0.000831	mg/L		03/21/22 13:08	03/23/22 08:33	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/21/22 13:08	03/23/22 08:33	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/21/22 13:08	03/23/22 08:33	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/21/22 13:08	03/23/22 08:33	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	54.0		10.0	10.0	mg/L			03/21/22 15:17	1

Client Sample ID: MW-8
Date Collected: 03/14/22 17:30
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-8
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.31		1.00	0.713	mg/L			03/31/22 03:41	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/31/22 03:41	1
Sulfate	3.09		1.00	0.756	mg/L			03/31/22 03:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 19:03	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 19:03	1
Barium	0.117		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 19:03	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 19:03	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 19:03	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 19:03	1
Calcium	2.46		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 19:03	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 19:03	1
Cobalt	0.00117		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 19:03	1
Lead	<0.000167		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 19:03	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-8
Date Collected: 03/14/22 17:30
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.00105	J	0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 19:03	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 19:03	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 19:03	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 19:03	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	23.0		10.0	10.0	mg/L			03/18/22 13:32	1

Client Sample ID: MW-9
Date Collected: 03/14/22 16:40
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-9
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.03		1.00	0.713	mg/L			03/31/22 03:56	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/31/22 03:56	1
Sulfate	1.58		1.00	0.756	mg/L			03/31/22 03:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 19:05	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 19:05	1
Barium	0.0278		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 19:05	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 19:05	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 19:05	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 19:05	1
Calcium	0.609		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 19:05	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 19:05	1
Cobalt	0.000757		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 19:05	1
Lead	<0.000167		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 19:05	1
Lithium	0.00110	J	0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 19:05	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 19:05	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 19:05	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 19:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 17:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	56.0		10.0	10.0	mg/L			03/18/22 13:32	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: MW-10
Date Collected: 03/14/22 15:35
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-10
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.95		1.00	0.713	mg/L			03/31/22 04:10	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/31/22 04:10	1
Sulfate	<0.756		1.00	0.756	mg/L			03/31/22 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 19:08	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 19:08	1
Barium	0.0332		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 19:08	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 19:08	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 19:08	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 19:08	1
Calcium	0.857		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 19:08	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 19:08	1
Cobalt	0.00112		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 19:08	1
Lead	<0.000167		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 19:08	1
Lithium	0.00116 J		0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 19:08	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 19:08	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 19:08	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 19:08	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:55	03/27/22 17:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	26.0		10.0	10.0	mg/L			03/18/22 13:32	1

Client Sample ID: DUP-01
Date Collected: 03/15/22 08:45
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-11
Matrix: Water

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.8		1.00	0.713	mg/L			03/31/22 05:08	1
Fluoride	0.134		0.100	0.0260	mg/L			03/31/22 05:08	1
Sulfate	<0.756		1.00	0.756	mg/L			03/31/22 05:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/21/22 13:08	03/23/22 08:36	1
Arsenic	0.000294 J B		0.00100	0.000282	mg/L		03/21/22 13:08	03/23/22 08:36	1
Barium	0.295		0.0100	0.00314	mg/L		03/21/22 13:08	03/23/22 08:36	1
Beryllium	0.000505 J		0.00100	0.000274	mg/L		03/21/22 13:08	03/23/22 08:36	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/21/22 13:08	03/23/22 08:36	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/21/22 13:08	03/23/22 08:36	1
Calcium	3.43 B		0.500	0.127	mg/L		03/21/22 13:08	03/23/22 08:36	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/21/22 13:08	03/23/22 08:36	1
Cobalt	0.00369		0.000500	0.000261	mg/L		03/21/22 13:08	03/23/22 08:36	1
Lead	0.000366 J B		0.00100	0.000167	mg/L		03/21/22 13:08	03/23/22 08:36	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: DUP-01

Lab Sample ID: 180-135240-11

Date Collected: 03/15/22 08:45

Matrix: Water

Date Received: 03/18/22 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.00169	J	0.00500	0.000831	mg/L		03/21/22 13:08	03/23/22 08:36	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/21/22 13:08	03/23/22 08:36	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/21/22 13:08	03/23/22 08:36	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/21/22 13:08	03/23/22 08:36	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:55	03/27/22 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	85.0		10.0	10.0	mg/L			03/18/22 13:32	1

Client Sample ID: FB-1

Lab Sample ID: 180-135240-12

Date Collected: 03/15/22 08:15

Matrix: Water

Date Received: 03/16/22 09:30

Method: EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/31/22 05:22	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/31/22 05:22	1
Sulfate	<0.756		1.00	0.756	mg/L			03/31/22 05:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 19:10	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 19:10	1
Barium	<0.00314		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 19:10	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 19:10	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 19:10	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 19:10	1
Calcium	<0.127		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 19:10	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 19:10	1
Cobalt	<0.000261		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 19:10	1
Lead	<0.000167		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 19:10	1
Lithium	<0.000831		0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 19:10	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 19:10	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 19:10	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 19:10	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:55	03/27/22 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/18/22 13:32	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Client Sample ID: EB-1

Lab Sample ID: 180-135240-13

Date Collected: 03/15/22 08:09

Matrix: Water

Date Received: 03/16/22 09:30

Method: 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			04/07/22 13:45	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/07/22 13:45	1
Sulfate	<0.756		1.00	0.756	mg/L			04/07/22 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 19:13	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 19:13	1
Barium	<0.00314		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 19:13	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 19:13	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 19:13	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 19:13	1
Calcium	<0.127		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 19:13	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 19:13	1
Cobalt	<0.000261		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 19:13	1
Lead	<0.000167		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 19:13	1
Lithium	<0.000831		0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 19:13	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 19:13	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 19:13	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 19:13	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:55	03/27/22 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/18/22 13:33	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-393561/49
Matrix: Water
Analysis Batch: 393561

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.713		1.00	0.713	mg/L			03/30/22 23:36	1
Fluoride	<0.0260		0.100	0.0260	mg/L			03/30/22 23:36	1
Sulfate	<0.756		1.00	0.756	mg/L			03/30/22 23:36	1

Lab Sample ID: LCS 180-393561/48
Matrix: Water
Analysis Batch: 393561

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	52.77		mg/L		106	80 - 120
Fluoride	2.50	2.710		mg/L		108	80 - 120
Sulfate	50.0	53.05		mg/L		106	80 - 120

Lab Sample ID: 180-135240-1 MS
Matrix: Water
Analysis Batch: 393561

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	3.24		50.0	52.46		mg/L		98	80 - 120
Fluoride	<0.0260		2.50	2.518		mg/L		101	80 - 120
Sulfate	9.59		50.0	58.96		mg/L		99	80 - 120

Lab Sample ID: 180-135240-1 MSD
Matrix: Water
Analysis Batch: 393561

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	3.24		50.0	52.30		mg/L		98	80 - 120	0	15
Fluoride	<0.0260		2.50	2.540		mg/L		102	80 - 120	1	15
Sulfate	9.59		50.0	58.65		mg/L		98	80 - 120	1	15

Lab Sample ID: MB 180-394541/7
Matrix: Water
Analysis Batch: 394541

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			04/07/22 12:03	1
Fluoride	<0.0260		0.100	0.0260	mg/L			04/07/22 12:03	1
Sulfate	<0.756		1.00	0.756	mg/L			04/07/22 12:03	1

Lab Sample ID: LCS 180-394541/6
Matrix: Water
Analysis Batch: 394541

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	50.68		mg/L		101	80 - 120
Fluoride	2.50	2.564		mg/L		103	80 - 120
Sulfate	50.0	51.70		mg/L		103	80 - 120

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QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

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

Lab Sample ID: MB 180-392240/1-A
Matrix: Water
Analysis Batch: 392519

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/18/22 14:36	03/19/22 18:17	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		03/18/22 14:36	03/19/22 18:17	1
Barium	<0.00314		0.0100	0.00314	mg/L		03/18/22 14:36	03/19/22 18:17	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/18/22 14:36	03/19/22 18:17	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/18/22 14:36	03/19/22 18:17	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/18/22 14:36	03/19/22 18:17	1
Calcium	<0.127		0.500	0.127	mg/L		03/18/22 14:36	03/19/22 18:17	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/18/22 14:36	03/19/22 18:17	1
Cobalt	<0.000261		0.000500	0.000261	mg/L		03/18/22 14:36	03/19/22 18:17	1
Lead	<0.000167		0.00100	0.000167	mg/L		03/18/22 14:36	03/19/22 18:17	1
Lithium	<0.000831		0.00500	0.000831	mg/L		03/18/22 14:36	03/19/22 18:17	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/18/22 14:36	03/19/22 18:17	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/18/22 14:36	03/19/22 18:17	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/18/22 14:36	03/19/22 18:17	1

Lab Sample ID: LCS 180-392240/2-A
Matrix: Water
Analysis Batch: 392519

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392240

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.2456		mg/L		98	80 - 120
Arsenic	1.00	1.047		mg/L		105	80 - 120
Barium	1.00	1.029		mg/L		103	80 - 120
Beryllium	0.500	0.5131		mg/L		103	80 - 120
Boron	1.25	1.192		mg/L		95	80 - 120
Cadmium	0.500	0.5287		mg/L		106	80 - 120
Calcium	25.0	25.69		mg/L		103	80 - 120
Chromium	0.500	0.5208		mg/L		104	80 - 120
Cobalt	0.500	0.5358		mg/L		107	80 - 120
Lead	0.500	0.5187		mg/L		104	80 - 120
Lithium	0.500	0.5082		mg/L		102	80 - 120
Molybdenum	0.500	0.5492		mg/L		110	80 - 120
Selenium	1.00	1.017		mg/L		102	80 - 120
Thallium	1.00	1.050		mg/L		105	80 - 120

Lab Sample ID: MB 180-392433/1-A
Matrix: Water
Analysis Batch: 392849

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		03/21/22 13:08	03/23/22 08:10	1
Arsenic	0.0003110	J	0.00100	0.000282	mg/L		03/21/22 13:08	03/23/22 08:10	1
Barium	<0.00314		0.0100	0.00314	mg/L		03/21/22 13:08	03/23/22 08:10	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		03/21/22 13:08	03/23/22 08:10	1
Boron	<0.0601		0.0800	0.0601	mg/L		03/21/22 13:08	03/23/22 08:10	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		03/21/22 13:08	03/23/22 08:10	1
Calcium	0.1521	J	0.500	0.127	mg/L		03/21/22 13:08	03/23/22 08:10	1
Chromium	<0.00153		0.00200	0.00153	mg/L		03/21/22 13:08	03/23/22 08:10	1
Cobalt	<0.000261		0.000500	0.000261	mg/L		03/21/22 13:08	03/23/22 08:10	1

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QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

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

Lab Sample ID: MB 180-392433/1-A
Matrix: Water
Analysis Batch: 392849

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0003140	J	0.00100	0.000167	mg/L		03/21/22 13:08	03/23/22 08:10	1
Lithium	<0.000831		0.00500	0.000831	mg/L		03/21/22 13:08	03/23/22 08:10	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		03/21/22 13:08	03/23/22 08:10	1
Selenium	<0.000739		0.00500	0.000739	mg/L		03/21/22 13:08	03/23/22 08:10	1
Thallium	<0.000472		0.00100	0.000472	mg/L		03/21/22 13:08	03/23/22 08:10	1

Lab Sample ID: LCS 180-392433/2-A
Matrix: Water
Analysis Batch: 392849

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.2448		mg/L		98	80 - 120
Arsenic	1.00	0.9787		mg/L		98	80 - 120
Barium	1.00	1.005		mg/L		101	80 - 120
Beryllium	0.500	0.4971		mg/L		99	80 - 120
Boron	1.25	1.247		mg/L		100	80 - 120
Cadmium	0.500	0.5100		mg/L		102	80 - 120
Calcium	25.0	27.61		mg/L		110	80 - 120
Chromium	0.500	0.5033		mg/L		101	80 - 120
Cobalt	0.500	0.5081		mg/L		102	80 - 120
Lead	0.500	0.5225		mg/L		104	80 - 120
Lithium	0.500	0.4966		mg/L		99	80 - 120
Molybdenum	0.500	0.5270		mg/L		105	80 - 120
Selenium	1.00	0.9747		mg/L		97	80 - 120
Thallium	1.00	1.070		mg/L		107	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-392999/1-A
Matrix: Water
Analysis Batch: 393210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 392999

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 13:47	1

Lab Sample ID: LCS 180-392999/2-A
Matrix: Water
Analysis Batch: 393210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 392999

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002435		mg/L		97	80 - 120

Lab Sample ID: MB 180-393000/1-A
Matrix: Water
Analysis Batch: 393210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 393000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130		0.000200	0.000130	mg/L		03/25/22 06:05	03/27/22 16:48	1

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QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

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

Lab Sample ID: LCS 180-393000/2-A
Matrix: Water
Analysis Batch: 393210

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 393000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002405		mg/L		96	80 - 120

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

Lab Sample ID: MB 180-392227/2
Matrix: Water
Analysis Batch: 392227

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/18/22 13:32	1

Lab Sample ID: LCS 180-392227/1
Matrix: Water
Analysis Batch: 392227

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	469	460.0		mg/L		98	85 - 115

Lab Sample ID: MB 180-392228/2
Matrix: Water
Analysis Batch: 392228

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/18/22 13:33	1

Lab Sample ID: LCS 180-392228/1
Matrix: Water
Analysis Batch: 392228

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	469	446.0		mg/L		95	85 - 115

Lab Sample ID: MB 180-392459/2
Matrix: Water
Analysis Batch: 392459

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			03/21/22 15:17	1

Lab Sample ID: LCS 180-392459/1
Matrix: Water
Analysis Batch: 392459

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	469	452.0		mg/L		96	85 - 115

Eurofins Pittsburgh

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

HPLC/IC

Analysis Batch: 393561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total/NA	Water	EPA 9056A	
180-135240-2	MW-2	Total/NA	Water	EPA 9056A	
180-135240-3	MW-3	Total/NA	Water	EPA 9056A	
180-135240-4	MW-4	Total/NA	Water	EPA 9056A	
180-135240-5	MW-5	Total/NA	Water	EPA 9056A	
180-135240-6	MW-6	Total/NA	Water	EPA 9056A	
180-135240-7	MW-7	Total/NA	Water	EPA 9056A	
180-135240-8	MW-8	Total/NA	Water	EPA 9056A	
180-135240-9	MW-9	Total/NA	Water	EPA 9056A	
180-135240-10	MW-10	Total/NA	Water	EPA 9056A	
180-135240-11	DUP-01	Total/NA	Water	EPA 9056A	
180-135240-12	FB-1	Total/NA	Water	EPA 9056A	
MB 180-393561/49	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-393561/48	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-135240-1 MS	MW-1	Total/NA	Water	EPA 9056A	
180-135240-1 MSD	MW-1	Total/NA	Water	EPA 9056A	

Analysis Batch: 394541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-13	EB-1	Total/NA	Water	EPA 9056A	
MB 180-394541/7	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-394541/6	Lab Control Sample	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 392240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total Recoverable	Water	3005A	
180-135240-2	MW-2	Total Recoverable	Water	3005A	
180-135240-3	MW-3	Total Recoverable	Water	3005A	
180-135240-4	MW-4	Total Recoverable	Water	3005A	
180-135240-6	MW-6	Total Recoverable	Water	3005A	
180-135240-8	MW-8	Total Recoverable	Water	3005A	
180-135240-9	MW-9	Total Recoverable	Water	3005A	
180-135240-10	MW-10	Total Recoverable	Water	3005A	
180-135240-12	FB-1	Total Recoverable	Water	3005A	
180-135240-13	EB-1	Total Recoverable	Water	3005A	
MB 180-392240/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-392240/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 392433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-5	MW-5	Total Recoverable	Water	3005A	
180-135240-7	MW-7	Total Recoverable	Water	3005A	
180-135240-11	DUP-01	Total Recoverable	Water	3005A	
MB 180-392433/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-392433/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 392519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total Recoverable	Water	EPA 6020B	392240

Eurofins Pittsburgh

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Metals (Continued)

Analysis Batch: 392519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-2	MW-2	Total Recoverable	Water	EPA 6020B	392240
180-135240-3	MW-3	Total Recoverable	Water	EPA 6020B	392240
180-135240-4	MW-4	Total Recoverable	Water	EPA 6020B	392240
180-135240-6	MW-6	Total Recoverable	Water	EPA 6020B	392240
180-135240-8	MW-8	Total Recoverable	Water	EPA 6020B	392240
180-135240-9	MW-9	Total Recoverable	Water	EPA 6020B	392240
180-135240-10	MW-10	Total Recoverable	Water	EPA 6020B	392240
180-135240-12	FB-1	Total Recoverable	Water	EPA 6020B	392240
180-135240-13	EB-1	Total Recoverable	Water	EPA 6020B	392240
MB 180-392240/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	392240
LCS 180-392240/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	392240

Analysis Batch: 392849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-5	MW-5	Total Recoverable	Water	EPA 6020B	392433
180-135240-7	MW-7	Total Recoverable	Water	EPA 6020B	392433
180-135240-11	DUP-01	Total Recoverable	Water	EPA 6020B	392433
MB 180-392433/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	392433
LCS 180-392433/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	392433

Prep Batch: 392999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total/NA	Water	7470A	
MB 180-392999/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-392999/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 393000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-2	MW-2	Total/NA	Water	7470A	
180-135240-3	MW-3	Total/NA	Water	7470A	
180-135240-4	MW-4	Total/NA	Water	7470A	
180-135240-5	MW-5	Total/NA	Water	7470A	
180-135240-6	MW-6	Total/NA	Water	7470A	
180-135240-7	MW-7	Total/NA	Water	7470A	
180-135240-8	MW-8	Total/NA	Water	7470A	
180-135240-9	MW-9	Total/NA	Water	7470A	
180-135240-10	MW-10	Total/NA	Water	7470A	
180-135240-11	DUP-01	Total/NA	Water	7470A	
180-135240-12	FB-1	Total/NA	Water	7470A	
180-135240-13	EB-1	Total/NA	Water	7470A	
MB 180-393000/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-393000/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 393210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total/NA	Water	EPA 7470A	392999
180-135240-2	MW-2	Total/NA	Water	EPA 7470A	393000
180-135240-3	MW-3	Total/NA	Water	EPA 7470A	393000
180-135240-4	MW-4	Total/NA	Water	EPA 7470A	393000
180-135240-5	MW-5	Total/NA	Water	EPA 7470A	393000
180-135240-6	MW-6	Total/NA	Water	EPA 7470A	393000

Eurofins Pittsburgh

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-1

Metals (Continued)

Analysis Batch: 393210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-7	MW-7	Total/NA	Water	EPA 7470A	393000
180-135240-8	MW-8	Total/NA	Water	EPA 7470A	393000
180-135240-9	MW-9	Total/NA	Water	EPA 7470A	393000
180-135240-10	MW-10	Total/NA	Water	EPA 7470A	393000
180-135240-11	DUP-01	Total/NA	Water	EPA 7470A	393000
180-135240-12	FB-1	Total/NA	Water	EPA 7470A	393000
180-135240-13	EB-1	Total/NA	Water	EPA 7470A	393000
MB 180-392999/1-A	Method Blank	Total/NA	Water	EPA 7470A	392999
MB 180-393000/1-A	Method Blank	Total/NA	Water	EPA 7470A	393000
LCS 180-392999/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	392999
LCS 180-393000/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	393000

General Chemistry

Analysis Batch: 392227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total/NA	Water	SM 2540C	
180-135240-2	MW-2	Total/NA	Water	SM 2540C	
180-135240-3	MW-3	Total/NA	Water	SM 2540C	
180-135240-4	MW-4	Total/NA	Water	SM 2540C	
180-135240-5	MW-5	Total/NA	Water	SM 2540C	
180-135240-6	MW-6	Total/NA	Water	SM 2540C	
180-135240-8	MW-8	Total/NA	Water	SM 2540C	
180-135240-9	MW-9	Total/NA	Water	SM 2540C	
180-135240-10	MW-10	Total/NA	Water	SM 2540C	
180-135240-11	DUP-01	Total/NA	Water	SM 2540C	
180-135240-12	FB-1	Total/NA	Water	SM 2540C	
MB 180-392227/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-392227/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 392228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-13	EB-1	Total/NA	Water	SM 2540C	
MB 180-392228/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-392228/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 392459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-7	MW-7	Total/NA	Water	SM 2540C	
MB 180-392459/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-392459/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Eurofins TestAmerica, Pittsburgh

301 Alpha Drive RIDC Park
 Pittsburgh, PA 15238
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Chain of Custody Record



Client Information		Sampler: <u>Philip E. / Brett S.</u>		Lab PM: <u>Brown, Shali</u>		Carrier Tracking No(s):		COC No:	
Client Contact: SCS Contacts		Phone: <u>850-336-0192</u>		E-Mail: <u>shali.brown@eurofinset.com</u>				Page: <u>1-2</u>	
Company: SCS		Address: 3535 Colonnade Pkwy Bin S 530 EC		Due Date Requested:		Analysis Requested		Job #:	
City: Birmingham		State, Zip: Alabama		TAT Requested (days):				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
Phone: 205.992.6283		PO #: SCS10382606		Project #: 18020047					
Email: SCS Contacts		WO #:		SSOW#:					
Project Name: Plant Daniel GSA		Site:							
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
						Preservation Code:			
MW-1		3/14/22		1430		G		W	
MW-2		3/14/22		1312					
MW-3		3/14/22		1243					
MW-4		3/14/22		1416					
MW-5		3/15/22		0815					
MW-6		3/15/22		0747					
MW-7		3/15/22		0945					
MW-8		3/14/22		1730					
MW-9		3/14/22		1640					
MW-10		3/14/22		1535		↓		↓	
DUP-01		3/15/22		0845		G		W	
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<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					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>3/15/22 1400</u>		Company: <u>PDM</u>		Received by: <u>D Waters</u>		Date/Time: <u>3-16-22</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time: <u>9:30</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks:				



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Do not lift up

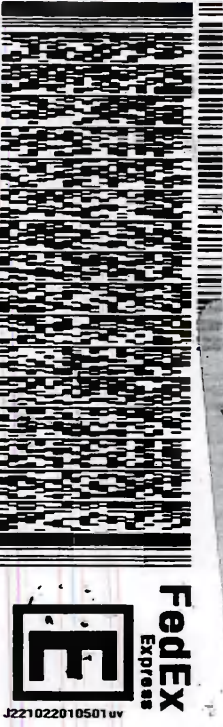


180-135240 Waybill

ORIGIN ID:BJKA (850) 336-0192
 RDH ENVIRONMENTAL
 5720 DOVE DR.
 PAGE FL 3897L
 UNITED STATES US
 10
 SHIP DATE: 15MAR22
 ACTWGT: 65.00 LB
 CAD: 6999739785E2300
 DIMS: 23X14X18 IN
 BILL THIRD PARTY

EUROFINS TESTAMERICA PITTSBURGH
 301 ALPHA DR.
 PITTSBURGH PA
 RT 98
 10:30
 6426
 03:16
 A
 FZ
 (412) 989-7088
 NJ
 201

Part # 156297852300 09 01/23



3 of 3
 WED - 16 MAR 10:30A
 PRIORITY OVERNIGHT
 DSR
 15238
 PIT

MPS# 2709 0159 6426
 0283
 Met# 2709 0159 6404
 0201
 XN AGCA
 PA-US

Uncorrected temp
 Thermometer ID
 CF Initials 8
 PT-WM-SR-001 effective 11/8/18

Do not lift using this tag.

ORIGIN ID: 81XA (850) 336-0192
RDH ENVIRONMENTAL

5720 DOVE DR.

PAGE: FL 32571 US
UNITED STATES US

TO

SHIP DATE: 15MAR22
ACT WT: 60.00 LB
CITY: 685499/SSFE2300
DIM: 23 16 IN

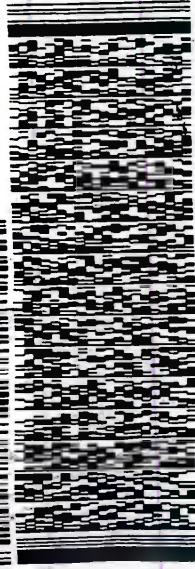
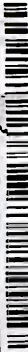
BILL TO PARTY

EUROFINS TESTAMERICA PITTS
301 ALPHA DR.

PITTSBURGH PA 15238

(412) 863-7068
REF: PO:

DEPT:



FedEx
Express



AP L05010501#

6404
10:30
9130
A
FL
998

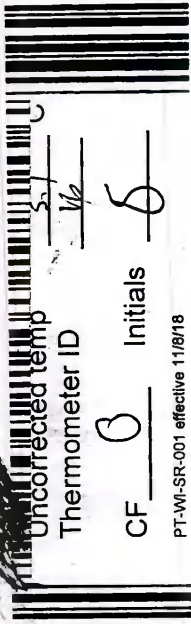
1 of 3

TRK# 2709 0159 6404

MASTER

XN AGGA

WED - 16 MAR 10:30A
PRIORITY OVERNIGHT
DSR
15238
PA-US PIT



Uncorrected temp

Thermometer ID

CF 0 Initials 6

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

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180-135240 Waybill

ORIGIN ID:OLVA (800) 463-3339
FEDEX OVERGOODS
2841 DEMOCRAT ROAD
MEMPHIS, TN 38118
UNITED STATES US

SHIP DATE: 16MAR22
ACTWT: 35.00 LB
CAD: 251405390/WSXI3100

BILL-THIRD PARTY

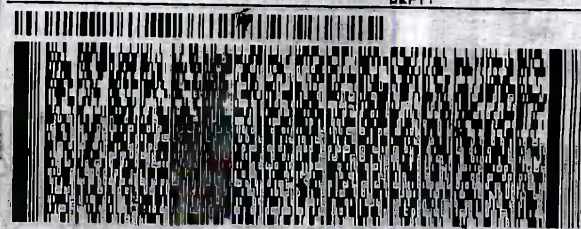
TO EUROFINS TEST AMERICA
PITTSBURGH
301 ALPHA DRIVE

PITTSBURGH PA 15238

(412) 963-7058
INV:
PO:

REF: PK 13380476

DEPT:



FedEx
Express



REL#
9785346

TRK#
0201 2709 5182 5790

THU - 17 MAR 10:30A
PRIORITY OVERNIGHT

XN AGCA

15238
PA-US PIT

156148-434 FIT EXF 020



Uncorrected temp
Thermometer ID

CF -0.4

Initials

28
16
8
°C

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

4/11/2022

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Brown, Shali	Carrier Tracking No(s): 180-457348.1						
Client Contact: Shipping/Receiving		E-Mail: Shali.Brown@Eurofins.com	Page: Page 1 of 2						
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): 180-135240-1							
Address: 13715 Rider Trail North,		Preservation Codes: 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: 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 Z - other (specify)							
City: Earth City	State: MO	Analysis Requested:							
State Zip: MO, 63045	PO #:	Total Number of containers							
Phone: 314-298-8566(Tel) 314-298-8757(Fax)	IWO #:	9320_Ra228/PreScp_0 Standard Target List							
Email:	Project #: 18020047	Field Filtered Sample (Yes or No)							
Plant Name: Daniel GSA	SSOW#:	Perform MS/MSD (Yes or No)							
Site:		Special Instructions/Note:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab) (BT=Tap, A=Air)	Matrix (W=Water, S=Solid, O=Wast, I=Ice)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
MW-1 (180-135240-1)	3/14/22	14:30 Central	Water	Water		X	X	2	
MW-2 (180-135240-2)	3/14/22	13:12 Central	Water	Water		X	X	2	
MW-3 (180-135240-3)	3/14/22	12:43 Central	Water	Water		X	X	2	
MW-4 (180-135240-4)	3/14/22	14:16 Central	Water	Water		X	X	2	
MW-5 (180-135240-5)	3/15/22	08:15 Central	Water	Water		X	X	2	
MW-6 (180-135240-6)	3/15/22	07:47 Central	Water	Water		X	X	2	
MW-7 (180-135240-7)	3/15/22	09:45 Central	Water	Water		X	X	2	
MW-8 (180-135240-8)	3/14/22	17:30 Central	Water	Water		X	X	2	
MW-9 (180-135240-9)	3/14/22	16:40 Central	Water	Water		X	X	2	
Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon 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) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: _____									
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <i>MD</i> Date: 5-18-22 17:00 Company: <i>FEDEX</i> Relinquished by: <i>FEDEX</i> Date/Time: _____ Relinquished by: _____ Date/Time: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____									



Chain of Custody Record

Client Information (Sub Contract Lab)		Lab PM: Brown, Shali		Carrier Tracking No(s): 180-457348.2	
Client Contact: Shipping/Receiving		E-Mail: Shali.Brown@Eurofins.com		Page: Page 2 of 2	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note):		Job #: 180-135240-1	
Address: 13715 Rider Trail North,		Due Date Requested: 3/29/2022		Preservation Codes:	
City: Earth City		TAT Requested (days):		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 R - Na2S2O3 S - H2SO4 G - Amchlor H - Ascorbic Acid I - Ice J - DI Water T - TSP Dodecahydrate U - Acetone V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:	
State, Zip: MO, 63045		PO #		Analysis Requested	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		WO #		Total Number of Containers	
Email:		Project # 18020047		Field Filtered Sample (Yes or No)	
Project Name: Plant Daniel GSA		SSOW#:		Perform MS/MSD (Yes or No)	
Site:		Sample Date		9320_Raz28/PrecSep_0 Standard Target List	
Sample Identification - Client ID (Lab ID)		Sample Time		Special Instructions/Note:	
		Preservation Code:			
MW-10 (180-135240-10)		15:35 Central		X	
DUP-01 (180-135240-11)		08:45 Central		X	
FB-1 (180-135240-12)		08:15 Central		X	
EB-1 (180-135240-13)		08:09 Central		X	
<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/leak/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>					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2					
Empty Kit Relinquished by: _____ Date: _____ Time: _____					
Relinquished by: _____ Date/Time: _____ Company: _____					
Relinquished by: _____ Date/Time: _____ Company: _____					
Relinquished by: _____ Date/Time: _____ Company: _____					
Custody Seals Intact: _____ Custody Seal No.: _____					
Cooler Temperature(s) °C and Other Remarks: _____					
<p>Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)</p> <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: _____ Date/Time: _____					
Received by: _____ Date/Time: _____ Company: _____					
Received by: _____ Date/Time: _____ Company: _____					
Received by: _____ Date/Time: _____ Company: _____					



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-135240-1

Login Number: 135240

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Watson, Debbie

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 <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: 180-135240-1

Login Number: 135240

List Source: Eurofins Pittsburgh

List Number: 2

Creator: Watson, Debbie

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	



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-135240-2
Client Project/Site: Plant Daniel GSA

For:
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Attn: Robert Singleton



Authorized for release by:
4/14/2022 7:19:59 AM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416



Table of Contents

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Case Narrative

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Job ID: 180-135240-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-135240-2

Receipt

The samples were received on 3/16/2022 9:30 AM and 3/18/2022 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 3 coolers at receipt time were 2.6°C, 3.1°C and 3.1°C

Gas Flow Proportional Counter

Method 9315_Ra226: Radium-226 batch 556453 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 (180-135240-1), MW-2 (180-135240-2), MW-3 (180-135240-3), MW-4 (180-135240-4), MW-5 (180-135240-5), MW-6 (180-135240-6), MW-7 (180-135240-7), MW-8 (180-135240-8), MW-9 (180-135240-9), MW-10 (180-135240-10), DUP-01 (180-135240-11), FB-1 (180-135240-12), EB-1 (180-135240-13), (LCS 160-556453/1-A), (LCSD 160-556453/2-A) and (MB 160-556453/23-A)

Method 9320_Ra228: Radium 228 Batch 160-556460: 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 (180-135240-1), MW-2 (180-135240-2), MW-3 (180-135240-3), MW-4 (180-135240-4), MW-5 (180-135240-5), MW-6 (180-135240-6), MW-7 (180-135240-7), MW-8 (180-135240-8), MW-9 (180-135240-9), MW-10 (180-135240-10), DUP-01 (180-135240-11), FB-1 (180-135240-12), EB-1 (180-135240-13), (LCS 160-556460/1-A), (LCSD 160-556460/2-A) and (MB 160-556460/23-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.

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

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

Job ID: 180-135240-2

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	05-06-22
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	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22
California	State	2886	07-01-22
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-22
HI - RadChem Recognition	State	n/a	06-30-22
Illinois	NELAP	200023	11-30-22
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana	NELAP	04080	06-30-22
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-22
MI - RadChem Recognition	State	9005	06-30-22
Missouri	State	780	06-30-22
Nevada	State	MO000542020-1	07-31-22
New Jersey	NELAP	MO002	06-30-22
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-22
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-22
Oregon	NELAP	4157	09-01-22
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-22
Texas	NELAP	T104704193	07-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	08-01-22
Virginia	NELAP	10310	06-14-22
Washington	State	C592	08-30-22
West Virginia DEP	State	381	10-31-22

Sample Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-135240-1	MW-1	Water	03/14/22 14:30	03/16/22 09:30
180-135240-2	MW-2	Water	03/14/22 13:12	03/16/22 09:30
180-135240-3	MW-3	Water	03/14/22 12:43	03/16/22 09:30
180-135240-4	MW-4	Water	03/14/22 14:16	03/16/22 09:30
180-135240-5	MW-5	Water	03/15/22 08:15	03/18/22 09:00
180-135240-6	MW-6	Water	03/15/22 07:47	03/16/22 09:30
180-135240-7	MW-7	Water	03/15/22 09:45	03/18/22 09:00
180-135240-8	MW-8	Water	03/14/22 17:30	03/16/22 09:30
180-135240-9	MW-9	Water	03/14/22 16:40	03/16/22 09:30
180-135240-10	MW-10	Water	03/14/22 15:35	03/16/22 09:30
180-135240-11	DUP-01	Water	03/15/22 08:45	03/18/22 09:00
180-135240-12	FB-1	Water	03/15/22 08:15	03/16/22 09:30
180-135240-13	EB-1	Water	03/15/22 08:09	03/16/22 09:30

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Method Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

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

TAL 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

Job ID: 180-135240-2

Client Sample ID: MW-1

Lab Sample ID: 180-135240-1

Date Collected: 03/14/22 14:30

Matrix: Water

Date Received: 03/16/22 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			997.89 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560040	04/13/22 08:27	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			997.89 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:30	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-135240-2

Date Collected: 03/14/22 13:12

Matrix: Water

Date Received: 03/16/22 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			998.09 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560040	04/13/22 08:27	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			998.09 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:30	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-135240-3

Date Collected: 03/14/22 12:43

Matrix: Water

Date Received: 03/16/22 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			991.31 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560040	04/13/22 08:27	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			991.31 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:30	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-4

Lab Sample ID: 180-135240-4

Date Collected: 03/14/22 14:16

Matrix: Water

Date Received: 03/16/22 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			995.13 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560040	04/13/22 08:27	FLC	TAL SL
Instrument ID: GFPCBLUE										

Eurofins Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-4

Lab Sample ID: 180-135240-4

Date Collected: 03/14/22 14:16

Matrix: Water

Date Received: 03/16/22 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_0			995.13 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:30	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-135240-5

Date Collected: 03/15/22 08:15

Matrix: Water

Date Received: 03/18/22 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			997.27 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560040	04/13/22 08:28	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			997.27 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:30	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-6

Lab Sample ID: 180-135240-6

Date Collected: 03/15/22 07:47

Matrix: Water

Date Received: 03/16/22 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			1006.60 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560040	04/13/22 08:28	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			1006.60 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:31	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-7

Lab Sample ID: 180-135240-7

Date Collected: 03/15/22 09:45

Matrix: Water

Date Received: 03/18/22 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			992.49 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560040	04/13/22 08:28	FLC	TAL SL
Instrument ID: GFPCBLUE										
Total/NA	Prep	PrecSep_0			992.49 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:31	CLP	TAL SL
Instrument ID: GFPCORANGE										

Eurofins Pittsburgh

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-7
Date Collected: 03/15/22 09:45
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL

Client Sample ID: MW-8
Date Collected: 03/14/22 17:30
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			994.25 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560041	04/13/22 08:24	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			994.25 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:31	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-9
Date Collected: 03/14/22 16:40
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			991.71 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560041	04/13/22 08:24	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			991.71 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:31	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-10
Date Collected: 03/14/22 15:35
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1002.50 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560041	04/13/22 08:24	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			1002.50 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:31	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Lab Chronicle

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: DUP-01
Date Collected: 03/15/22 08:45
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			996.33 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560041	04/13/22 08:25	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			996.33 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:31	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: FB-1
Date Collected: 03/15/22 08:15
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.28 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560041	04/13/22 08:25	FLC	TAL SL
Instrument ID: GFPCPURPLE										
Total/NA	Prep	PrecSep_0			995.28 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:31	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Client Sample ID: EB-1
Date Collected: 03/15/22 08:09
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			995.42 mL	1.0 g	556453	03/22/22 09:48	LPS	TAL SL
Total/NA	Analysis	9315		1			560046	04/13/22 08:29	FLC	TAL SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			995.42 mL	1.0 g	556460	03/22/22 10:30	LPS	TAL SL
Total/NA	Analysis	9320		1			559798	04/11/22 12:32	CLP	TAL SL
Instrument ID: GFPCORANGE										
Total/NA	Analysis	Ra226_Ra228		1			560198	04/13/22 12:57	SCB	TAL SL
Instrument ID: NOEQUIP										

Laboratory References:

TAL 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

Job ID: 180-135240-2

Analyst References:

- Lab: TAL SL
 - Batch Type: Prep
 - LPS = Lauren Szostak
 - Batch Type: Analysis
 - CLP = Cassandra Park
 - FLC = Fernando Cruz
 - SCB = Sarah Bernsen

- 1
- 2
- 3
- 4
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- 11
- 12
- 13

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-1

Lab Sample ID: 180-135240-1

Date Collected: 03/14/22 14:30

Matrix: Water

Date Received: 03/16/22 09:30

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.597		0.215	0.222	1.00	0.225	pCi/L	03/22/22 09:48	04/13/22 08:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					03/22/22 09:48	04/13/22 08:27	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.297	0.314	1.00	0.350	pCi/L	03/22/22 10:30	04/11/22 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					03/22/22 10:30	04/11/22 12:30	1
Y Carrier	83.7		40 - 110					03/22/22 10:30	04/11/22 12:30	1

Method: 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	1.71		0.367	0.385	5.00	0.350	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-2

Lab Sample ID: 180-135240-2

Date Collected: 03/14/22 13:12

Matrix: Water

Date Received: 03/16/22 09:30

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.417		0.177	0.180	1.00	0.192	pCi/L	03/22/22 09:48	04/13/22 08:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		40 - 110					03/22/22 09:48	04/13/22 08:27	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.516		0.255	0.259	1.00	0.370	pCi/L	03/22/22 10:30	04/11/22 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.8		40 - 110					03/22/22 10:30	04/11/22 12:30	1
Y Carrier	84.1		40 - 110					03/22/22 10:30	04/11/22 12:30	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-2
Date Collected: 03/14/22 13:12
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-2
Matrix: Water

Method: 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	0.932		0.310	0.315	5.00	0.370	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-3
Date Collected: 03/14/22 12:43
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-3
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.27		0.309	0.329	1.00	0.280	pCi/L	03/22/22 09:48	04/13/22 08:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		40 - 110					03/22/22 09:48	04/13/22 08:27	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	2.26		0.388	0.440	1.00	0.389	pCi/L	03/22/22 10:30	04/11/22 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		40 - 110					03/22/22 10:30	04/11/22 12:30	1
Y Carrier	81.1		40 - 110					03/22/22 10:30	04/11/22 12:30	1

Method: 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	3.53		0.496	0.549	5.00	0.389	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-4
Date Collected: 03/14/22 14:16
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-4
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.216		0.148	0.150	1.00	0.209	pCi/L	03/22/22 09:48	04/13/22 08:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		40 - 110					03/22/22 09:48	04/13/22 08:27	1

Eurofins Pittsburgh

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-4
Date Collected: 03/14/22 14:16
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-4
Matrix: Water

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.369		0.222	0.225	1.00	0.333	pCi/L	03/22/22 10:30	04/11/22 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		40 - 110					03/22/22 10:30	04/11/22 12:30	1
Y Carrier	85.6		40 - 110					03/22/22 10:30	04/11/22 12:30	1

Method: 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	0.585		0.267	0.270	5.00	0.333	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-5
Date Collected: 03/15/22 08:15
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-5
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.464		0.202	0.206	1.00	0.237	pCi/L	03/22/22 09:48	04/13/22 08:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		40 - 110					03/22/22 09:48	04/13/22 08:28	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.497		0.251	0.255	1.00	0.362	pCi/L	03/22/22 10:30	04/11/22 12:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		40 - 110					03/22/22 10:30	04/11/22 12:30	1
Y Carrier	79.3		40 - 110					03/22/22 10:30	04/11/22 12:30	1

Method: 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	0.961		0.322	0.328	5.00	0.362	pCi/L		04/13/22 12:57	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-6

Date Collected: 03/15/22 07:47

Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-6

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.428		0.183	0.187	1.00	0.205	pCi/L	03/22/22 09:48	04/13/22 08:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					03/22/22 09:48	04/13/22 08:28	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.770		0.286	0.295	1.00	0.387	pCi/L	03/22/22 10:30	04/11/22 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.6		40 - 110					03/22/22 10:30	04/11/22 12:31	1
Y Carrier	80.4		40 - 110					03/22/22 10:30	04/11/22 12:31	1

Method: 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	1.20		0.340	0.349	5.00	0.387	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-7

Date Collected: 03/15/22 09:45

Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-7

Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.55		0.394	0.456	1.00	0.225	pCi/L	03/22/22 09:48	04/13/22 08:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					03/22/22 09:48	04/13/22 08:28	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.38		0.504	0.646	1.00	0.390	pCi/L	03/22/22 10:30	04/11/22 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					03/22/22 10:30	04/11/22 12:31	1
Y Carrier	81.5		40 - 110					03/22/22 10:30	04/11/22 12:31	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-7
Date Collected: 03/15/22 09:45
Date Received: 03/18/22 09:00

Lab Sample ID: 180-135240-7
Matrix: Water

Method: 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	6.94		0.640	0.791	5.00	0.390	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-8
Date Collected: 03/14/22 17:30
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-8
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.779		0.254	0.263	1.00	0.270	pCi/L	03/22/22 09:48	04/13/22 08:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.7		40 - 110					03/22/22 09:48	04/13/22 08:24	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.38		0.367	0.389	1.00	0.454	pCi/L	03/22/22 10:30	04/11/22 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.7		40 - 110					03/22/22 10:30	04/11/22 12:31	1
Y Carrier	80.7		40 - 110					03/22/22 10:30	04/11/22 12:31	1

Method: 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	2.16		0.446	0.470	5.00	0.454	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-9
Date Collected: 03/14/22 16:40
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-9
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.257		0.158	0.159	1.00	0.213	pCi/L	03/22/22 09:48	04/13/22 08:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		40 - 110					03/22/22 09:48	04/13/22 08:24	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: MW-9
Date Collected: 03/14/22 16:40
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-9
Matrix: Water

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.458		0.285	0.288	1.00	0.440	pCi/L	03/22/22 10:30	04/11/22 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.0		40 - 110					03/22/22 10:30	04/11/22 12:31	1
Y Carrier	83.0		40 - 110					03/22/22 10:30	04/11/22 12:31	1

Method: 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	0.715		0.326	0.329	5.00	0.440	pCi/L		04/13/22 12:57	1

Client Sample ID: MW-10
Date Collected: 03/14/22 15:35
Date Received: 03/16/22 09:30

Lab Sample ID: 180-135240-10
Matrix: Water

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.187		0.130	0.131	1.00	0.179	pCi/L	03/22/22 09:48	04/13/22 08:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					03/22/22 09:48	04/13/22 08:24	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.344	U	0.262	0.264	1.00	0.414	pCi/L	03/22/22 10:30	04/11/22 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		40 - 110					03/22/22 10:30	04/11/22 12:31	1
Y Carrier	79.3		40 - 110					03/22/22 10:30	04/11/22 12:31	1

Method: 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	0.531		0.292	0.295	5.00	0.414	pCi/L		04/13/22 12:57	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: DUP-01

Lab Sample ID: 180-135240-11

Date Collected: 03/15/22 08:45

Matrix: Water

Date Received: 03/18/22 09:00

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	2.58		0.391	0.455	1.00	0.245	pCi/L	03/22/22 09:48	04/13/22 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		40 - 110					03/22/22 09:48	04/13/22 08:25	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	4.26		0.496	0.632	1.00	0.412	pCi/L	03/22/22 10:30	04/11/22 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.3		40 - 110					03/22/22 10:30	04/11/22 12:31	1
Y Carrier	81.9		40 - 110					03/22/22 10:30	04/11/22 12:31	1

Method: 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	6.84		0.632	0.779	5.00	0.412	pCi/L		04/13/22 12:57	1

Client Sample ID: FB-1

Lab Sample ID: 180-135240-12

Date Collected: 03/15/22 08:15

Matrix: Water

Date Received: 03/16/22 09:30

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0526	U	0.121	0.121	1.00	0.221	pCi/L	03/22/22 09:48	04/13/22 08:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		40 - 110					03/22/22 09:48	04/13/22 08:25	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.213	U	0.286	0.287	1.00	0.477	pCi/L	03/22/22 10:30	04/11/22 12:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.7		40 - 110					03/22/22 10:30	04/11/22 12:31	1
Y Carrier	76.6		40 - 110					03/22/22 10:30	04/11/22 12:31	1

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Client Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Client Sample ID: FB-1

Lab Sample ID: 180-135240-12

Date Collected: 03/15/22 08:15

Matrix: Water

Date Received: 03/16/22 09:30

Method: 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	0.265	U	0.311	0.311	5.00	0.477	pCi/L		04/13/22 12:57	1

Client Sample ID: EB-1

Lab Sample ID: 180-135240-13

Date Collected: 03/15/22 08:09

Matrix: Water

Date Received: 03/16/22 09:30

Method: 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0856	U	0.122	0.122	1.00	0.274	pCi/L	03/22/22 09:48	04/13/22 08:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		40 - 110					03/22/22 09:48	04/13/22 08:29	1

Method: 9320 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.155	U	0.262	0.262	1.00	0.444	pCi/L	03/22/22 10:30	04/11/22 12:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.9		40 - 110					03/22/22 10:30	04/11/22 12:32	1
Y Carrier	77.4		40 - 110					03/22/22 10:30	04/11/22 12:32	1

Method: 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	0.0692	U	0.289	0.289	5.00	0.444	pCi/L		04/13/22 12:57	1

QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-556453/23-A
Matrix: Water
Analysis Batch: 560046

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556453

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05665	U	0.0920	0.0921	1.00	0.161	pCi/L	03/22/22 09:48	04/13/22 08:34	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	101		40 - 110		03/22/22 09:48	04/13/22 08:34	1			

Lab Sample ID: LCS 160-556453/1-A
Matrix: Water
Analysis Batch: 560040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556453

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.96		1.25	1.00	0.226	pCi/L	97	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	95.1		40 - 110						

Lab Sample ID: LCSD 160-556453/2-A
Matrix: Water
Analysis Batch: 560040

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 556453

Analyte	Spike Added	LCSD Result	LCSD Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits	RER	RER
				Uncert. (2σ+/-)							Limit
Radium-226	11.3	9.315		1.11	1.00	0.235	pCi/L	82	75 - 125	0.69	1
Carrier	LCSD %Yield	LCSD Qualifier	Limits								
Ba Carrier	92.3		40 - 110								

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-556460/23-A
Matrix: Water
Analysis Batch: 559797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 556460

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.1584	U	0.201	0.202	1.00	0.334	pCi/L	03/22/22 10:30	04/11/22 12:27	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	101		40 - 110		03/22/22 10:30	04/11/22 12:27	1			
Y Carrier	84.1		40 - 110		03/22/22 10:30	04/11/22 12:27	1			

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QC Sample Results

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

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

Lab Sample ID: LCS 160-556460/1-A
Matrix: Water
Analysis Batch: 559798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 556460

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits	
									75	125
Radium-228	0.872	0.7662		0.284	1.00	0.371	pCi/L	88	75	125
LCS LCS										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	95.1		40 - 110							
Y Carrier	82.2		40 - 110							

Lab Sample ID: LCSD 160-556460/2-A
Matrix: Water
Analysis Batch: 559798

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 556460

Analyte	Spike Added	LCSD Result	LCSD Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		RER	RER Limit
									75	125	0.34	1
Radium-228	0.872	0.9613		0.295	1.00	0.342	pCi/L	110	75	125	0.34	1
LCSD LCSD												
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	92.3		40 - 110									
Y Carrier	82.6		40 - 110									

QC Association Summary

Client: Southern Company
Project/Site: Plant Daniel GSA

Job ID: 180-135240-2

Rad

Prep Batch: 556453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total/NA	Water	PrecSep-21	
180-135240-2	MW-2	Total/NA	Water	PrecSep-21	
180-135240-3	MW-3	Total/NA	Water	PrecSep-21	
180-135240-4	MW-4	Total/NA	Water	PrecSep-21	
180-135240-5	MW-5	Total/NA	Water	PrecSep-21	
180-135240-6	MW-6	Total/NA	Water	PrecSep-21	
180-135240-7	MW-7	Total/NA	Water	PrecSep-21	
180-135240-8	MW-8	Total/NA	Water	PrecSep-21	
180-135240-9	MW-9	Total/NA	Water	PrecSep-21	
180-135240-10	MW-10	Total/NA	Water	PrecSep-21	
180-135240-11	DUP-01	Total/NA	Water	PrecSep-21	
180-135240-12	FB-1	Total/NA	Water	PrecSep-21	
180-135240-13	EB-1	Total/NA	Water	PrecSep-21	
MB 160-556453/23-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-556453/1-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
LCSD 160-556453/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep-21	

Prep Batch: 556460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135240-1	MW-1	Total/NA	Water	PrecSep_0	
180-135240-2	MW-2	Total/NA	Water	PrecSep_0	
180-135240-3	MW-3	Total/NA	Water	PrecSep_0	
180-135240-4	MW-4	Total/NA	Water	PrecSep_0	
180-135240-5	MW-5	Total/NA	Water	PrecSep_0	
180-135240-6	MW-6	Total/NA	Water	PrecSep_0	
180-135240-7	MW-7	Total/NA	Water	PrecSep_0	
180-135240-8	MW-8	Total/NA	Water	PrecSep_0	
180-135240-9	MW-9	Total/NA	Water	PrecSep_0	
180-135240-10	MW-10	Total/NA	Water	PrecSep_0	
180-135240-11	DUP-01	Total/NA	Water	PrecSep_0	
180-135240-12	FB-1	Total/NA	Water	PrecSep_0	
180-135240-13	EB-1	Total/NA	Water	PrecSep_0	
MB 160-556460/23-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-556460/1-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
LCSD 160-556460/2-A	Lab Control Sample Dup	Total/NA	Water	PrecSep_0	

Chain of Custody Record

Client Information		Sampler: <u>Philip E. / Brett S.</u>		Lab PM: <u>Brown, Shali</u>		Carrier Tracking No(s):		COC No:	
Client Contact: SCS Contacts		Phone: <u>850-336-0192</u>		E-Mail: <u>shali.brown@eurofinset.com</u>				Page: <u>1-2</u>	
Company: SCS		Address: 3535 Colonnade Pkwy Bin S 530 EC		Due Date Requested:		Analysis Requested		Job #:	
City: Birmingham		State, Zip: Alabama		TAT Requested (days):				Preservation Codes:	
Phone: 205.992.6283		PO #: SCS10382606		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Total Dissolved Solids		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	
Email: SCS Contacts		WO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Project Name: Plant Daniel GSA		Project #: 18020047		Sample Type (C=Comp, G=grab)		Custom 14 (Appil and IV) + Mercury		Other:	
Site:		SSOV#:		Matrix		Chloride Fluoride and Sulfate		Total Number of containers	
Sample Identification		Sample Date		Sample Time		Total Dissolved Solids		Total Number of containers	
						Radium 226 Radium 228 + Combined			
				Preservation Code:					
MW-1		3/14/22		1430		G W		X X X X	
MW-2		3/14/22		1312					
MW-3		3/14/22		1243					
MW-4		3/14/22		1416					
MW-5		3/15/22		0815					
MW-6		3/15/22		0747					
MW-7		3/15/22		0945					
MW-8		3/14/22		1730					
MW-9		3/14/22		1640					
MW-10		3/14/22		1535		↓ ↓			
DUP-01		3/15/22		0845		G W		X X X X	
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<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					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>3/15/22 1400</u>		Company: <u>PDM</u>		Received by: <u>D Waters</u>		Date/Time: <u>3-16-22</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time: <u>9:30</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:					



1
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- 1
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- 11
- 12
- 13

Do not lift up



180-135240 Waybill

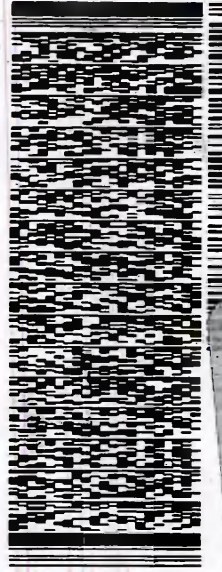
ORIGIN ID:BIJKA (850) 336-0192
RDH ENVIRONMENTAL
5720 DOVE DR.

PAGE FL 39571
UNITED STATES US
10

SHIP DATE: 15MAR22
ACTWGT: 65.00 LBS
CAD: 6999739785FE2300
DIMS: 23x14x16 IN
BILL THIRD PARTY

EUROFINS TESTAMERICA PITTSBURGH
301 ALPHA DR.

PITTSBURGH PA
RT 98
FZ
10:30
6426
03.16
A



MPS# 3 of 3
0263 2709 0159 6426
Met# 2709 0159 6404
0201

WED - 16 MAR 10:30A
PRIORITY OVERNIGHT
DSR 15238
PA-US PIT

Uncorrected temp 27.7 C
Thermometer ID 16
CF Initials S
PT-WM-SR-001 effective 11/8/18

Do not lift using this tag.

ORIGIN ID: 81XA (850) 336-0192
RDH ENVIRONMENTAL

5720 DOVE DR.

PAGE: FL 32571
UNITED STATES US

TO

SHIP DATE: 15MAR22
ACT WT: 60.00 LB
CITY: 685499/SSFE2300
DIM: 23 16 IN

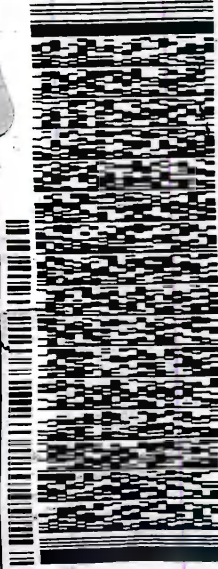
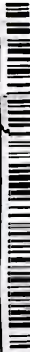
BILL TO PARTY

EUROFINS TESTAMERICA PITTS
301 ALPHA DR.

PITTSBURGH PA 15238

(412) 863-7068
REF: 1030

DEPT:



FedEx
Express



AP L05010501#

Part # 156297
A
6404
10:30
91:30
FL
998

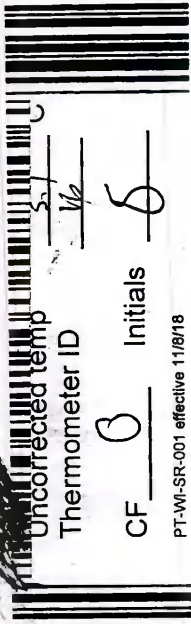
1 of 3

TRK# 2709 0159 6404

MASTER

XN AGGA

WED - 16 MAR 10:30A
PRIORITY OVERNIGHT
DSR
15238
PA-US PIT



Uncorrected temp

Thermometer ID

CF 0 Initials 6

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

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

180-135240 Waybill

ORIGIN ID:OLVA (800) 463-3339
FEDEX OVERGOODS
2841 DEMOCRAT ROAD
MEMPHIS, TN 38118
UNITED STATES US

SHIP DATE: 16MAR22
ACTWT: 35.00 LB
CAD: 251405390/WSXI3100

BILL-THIRD PARTY

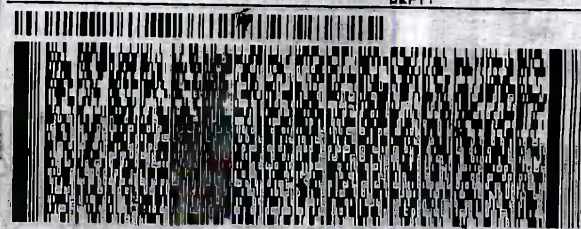
TO EUROFINS TEST AMERICA
PITTSBURGH
301 ALPHA DRIVE

PITTSBURGH PA 15238

(412) 963-7058
INV:
PO:

REF: PK 13380476

DEPT:



FedEx
Express



REL#
9785346

TRK# 2709 5182 5790
0201

THU - 17 MAR 10:30A
PRIORITY OVERNIGHT

XN AGCA

15238
PA-US PIT

156148-434 FIT EX 020



Uncorrected temp
Thermometer ID

CF -0.4 Initials 8

28
16
8
°C

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

4/14/2022

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM: Brown, Shali	Carrier Tracking No(s): 180-457348.1
Client Contact: Shipping/Receiving		E-Mail: Shali.Brown@Eurofins.com	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): 180-135240-1	
Address: 13715 Rider Trail North,		Preservation Codes: 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:	
City: Earth City		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 Z - other (specify)	
State, Zip: MO, 63045		Total Number of containers	
Phone: 314-298-8566(Tel) 314-298-8757(Fax)		Analysis Requested	
Email:		9320_Ra228/PreScp_0 Standard Target List	
Project Name: Plant Daniel GSA		Field Filtered Sample (Yes or No)	
Site: 18020047		Perform MS/MSD (Yes or No)	
SSOW#:		TAT Requested (days):	
Due Date Requested: 3/29/2022		PO #:	
Sample Date		WO #:	
Sample Time		Project #:	
Sample Type (C=Comp, G=grab)		18020047	
Sample Matrix (W=water, S=solid, O=soil, BT=BIOTIN, A=Air)		SSOW#:	
Sample Preservation Code:		Due Date Requested:	
MW-1 (180-135240-1)		3/29/2022	
MW-2 (180-135240-2)		TAT Requested (days):	
MW-3 (180-135240-3)		PO #:	
MW-4 (180-135240-4)		WO #:	
MW-5 (180-135240-5)		Project #:	
MW-6 (180-135240-6)		18020047	
MW-7 (180-135240-7)		SSOW#:	
MW-8 (180-135240-8)		Due Date Requested:	
MW-9 (180-135240-9)		3/29/2022	
Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon 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			
Special Instructions/QC Requirements:			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Special Instructions/QC Requirements:			
Method of Shipment:			
Date/Time: _____			
Received by: FED EX			
Date/Time: 5-8-22 17:00			
Received by: <i>Autumn R. Johnson</i>			
Date/Time: MAR 21 2022 09:20			
Received by: Autumn R. Johnson			
Date/Time: _____			
Cooler Temperature(s) °C and Other Remarks			
Custody Seal No.:			
Δ Yes Δ No			



Chain of Custody Record

Client Information (Sub Contract Lab)				Lab PM Brown, Shali	Carrier Tracking No(s): 180-457348.2																																																																																																			
Client Contact: Shipping/Receiving				E-Mail: Shali.Brown@Eurofinset.com	Page: Page 2 of 2																																																																																																			
Company: TestAmerica Laboratories, Inc.				Accreditations Required (See note): 180-135240-1																																																																																																				
Address: 13715 Rider Trail North,				Job #: 180-135240-1																																																																																																				
City: Earth, City				Analysis Requested Total Number of Containers: <input checked="" type="checkbox"/> 2 Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> 9320_Raz28/PrecSep_0 Standard Target List																																																																																																				
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PO #:																																																																																																								
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Project Name: Plant Daniel GSA				Project #: 18020047																																																																																																				
Site:				SSOW#:																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>Matrix (Water, Solid, On-wastewater, BT-Tissue, Air)</th> <th>Preservation Code</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>9320_Raz28/PrecSep_0 Standard Target List</th> <th>Total Number of Containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>MW-10 (180-135240-10)</td> <td>3/14/22</td> <td>15:35 Central</td> <td></td> <td>Water</td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>2</td> <td></td> </tr> <tr> <td>DUP-01 (180-135240-11)</td> <td>3/15/22</td> <td>08:45 Central</td> <td></td> <td>Water</td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>2</td> <td></td> </tr> <tr> <td>FB-1 (180-135240-12)</td> <td>3/15/22</td> <td>08:15 Central</td> <td></td> <td>Water</td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>2</td> <td></td> </tr> <tr> <td>EB-1 (180-135240-13)</td> <td>3/15/22</td> <td>08:09 Central</td> <td></td> <td>Water</td> <td></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>2</td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, On-wastewater, BT-Tissue, Air)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Raz28/PrecSep_0 Standard Target List	Total Number of Containers	Special Instructions/Note:	MW-10 (180-135240-10)	3/14/22	15:35 Central		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2		DUP-01 (180-135240-11)	3/15/22	08:45 Central		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2		FB-1 (180-135240-12)	3/15/22	08:15 Central		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2		EB-1 (180-135240-13)	3/15/22	08:09 Central		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2																																													
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EB-1 (180-135240-13)	3/15/22	08:09 Central		Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2																																																																																															
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Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <i>[Signature]</i> Date/Time: 3-18-22 17:00 Relinquished by: FED EX Date/Time: MAR 21 2022 09:20 Relinquished by: _____ Date/Time: _____ Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Δ <input type="checkbox"/> No <input type="checkbox"/> No Colder Temperature(s) °C and Other Remarks: Autumn R. Johnson																																																																																																								
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: _____ Date/Time: _____ Received by: FED EX Date/Time: MAR 21 2022 09:20 Received by: <i>[Signature]</i> Date/Time: _____ Received by: Autumn R. Johnson Date/Time: _____ Cooler Temperature(s) °C and Other Remarks: _____																																																																																																								



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-135240-2

Login Number: 135240

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Watson, Debbie

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: 180-135240-2

Login Number: 135240

List Source: Eurofins Pittsburgh

List Number: 2

Creator: Watson, Debbie

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: 180-135240-2

Login Number: 135240

List Number: 3

Creator: Johnson, Autumn R

List Source: Eurofins St. Louis

List Creation: 03/21/22 12:45 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: 3/14/2022 2:05:06 PM

Project: Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-1 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 43.3 ft Total Depth: 53.3 ft Initial Depth to Water: 23.1 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 48.3 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 500 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
--	---	--

Test Notes:

Sample time @ 1430. Pc 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	+/- 0.2	
3/14/2022 2:05 PM	00:00	4.70 pH	21.23 °C	64.71 µS/cm	5.48 mg/L	2.43 NTU	255.0 mV	23.10 ft	500.00 ml/min
3/14/2022 2:10 PM	05:00	4.63 pH	20.55 °C	66.18 µS/cm	5.63 mg/L	2.06 NTU	259.9 mV	23.10 ft	500.00 ml/min
3/14/2022 2:15 PM	10:00	4.66 pH	20.44 °C	65.51 µS/cm	5.50 mg/L	1.81 NTU	260.2 mV	23.10 ft	500.00 ml/min
3/14/2022 2:20 PM	15:00	4.67 pH	20.34 °C	66.10 µS/cm	5.57 mg/L	1.58 NTU	261.8 mV	23.10 ft	500.00 ml/min
3/14/2022 2:25 PM	20:00	4.65 pH	20.42 °C	66.18 µS/cm	5.68 mg/L	1.45 NTU	264.2 mV	23.10 ft	500.00 ml/min

Samples

Sample ID:	Description:
MW-1	Sample time @ 1430. Pc 69.

Low-Flow Test Report:

Test Date / Time: 3/14/2022 12:52:50 PM

Project: Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-2 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 43.2 ft Total Depth: 53.2 ft Initial Depth to Water: 21.9 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 48.2 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
--	--	--

Test Notes:

Sample time @ 1312. Pc 67.

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	+/- 0.2	
3/14/2022 12:52 PM	00:00	4.67 pH	20.70 °C	51.65 µS/cm	5.03 mg/L	1.01 NTU	146.0 mV	21.92 ft	400.00 ml/min
3/14/2022 12:57 PM	05:00	4.68 pH	20.70 °C	51.03 µS/cm	4.90 mg/L	0.66 NTU	164.7 mV	21.92 ft	400.00 ml/min
3/14/2022 1:02 PM	10:00	4.66 pH	20.61 °C	50.33 µS/cm	4.82 mg/L	0.42 NTU	182.0 mV	21.92 ft	400.00 ml/min
3/14/2022 1:07 PM	15:00	4.64 pH	20.65 °C	49.73 µS/cm	4.79 mg/L	0.39 NTU	197.2 mV	21.92 ft	400.00 ml/min
3/14/2022 1:12 PM	20:00	4.62 pH	20.62 °C	49.33 µS/cm	4.72 mg/L	0.37 NTU	208.7 mV	21.92 ft	400.00 ml/min
3/14/2022 1:17 PM	25:00	4.63 pH	20.56 °C	49.16 µS/cm	4.72 mg/L	0.35 NTU	217.6 mV	21.92 ft	400.00 ml/min
3/14/2022 1:22 PM	30:00	4.62 pH	20.73 °C	49.16 µS/cm	4.77 mg/L	0.35 NTU	226.6 mV	21.92 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-2	Sample time @ 1312. Pc 67.

Low-Flow Test Report:

Test Date / Time: 3/14/2022 12:17:13 PM

Project: Daniel Gypsum

Operator Name: Brett Surles

Location Name: Daniel MW-3 Well Diameter: 2 in Casing Type: PE Screen Length: 10 ft Top of Screen: 44.25 ft Total Depth: 54.25 ft Initial Depth to Water: 25.53 m	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 49.25 ft Estimated Total Volume Pumped: 10 liter Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.02 m	Instrument Used: Aqua TROLL 400 Serial Number: 800306
--	--	--

Test Notes:

Sample@1243

Weather Conditions:

Sunny 65

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.2	+/- 0.5	+/- 3 %	+/- 0.2	+/- 10	+/- 20	+/- 0.2	
3/14/2022 12:17 PM	00:00	4.60 pH	22.17 °C	97.28 µS/cm	4.27 mg/L	5.38 NTU	163.8 mV	25.55 ft	400.00 ml/min
3/14/2022 12:22 PM	05:00	4.60 pH	23.15 °C	93.36 µS/cm	2.59 mg/L	0.68 NTU	139.6 mV	25.55 ft	400.00 ml/min
3/14/2022 12:27 PM	10:00	4.53 pH	23.50 °C	99.38 µS/cm	2.65 mg/L	0.52 NTU	131.7 mV	25.55 ft	400.00 ml/min
3/14/2022 12:32 PM	15:00	4.49 pH	22.49 °C	99.29 µS/cm	2.68 mg/L	0.32 NTU	126.4 mV	25.55 ft	400.00 ml/min
3/14/2022 12:37 PM	20:00	4.48 pH	22.38 °C	100.20 µS/cm	2.69 mg/L	0.26 NTU	123.8 mV	25.55 ft	400.00 ml/min
3/14/2022 12:42 PM	25:00	4.47 pH	22.78 °C	101.19 µS/cm	2.68 mg/L	0.22 NTU	123.2 mV	25.55 ft	400.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 3/14/2022 1:33:43 PM

Project: MW-4

Operator Name: Brett Surles

Location Name: Daniel MW-4 Well Diameter: 2 in Casing Type: PE Screen Length: 10 ft Top of Screen: 46 ft Total Depth: 56 ft Initial Depth to Water: 25 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 49 ft Estimated Total Volume Pumped: 16 liter Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.04 in	Instrument Used: Aqua TROLL 400 Serial Number: 800306
--	--	--

Test Notes:

Sample @1416

Weather Conditions:

Sunny 70

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.2	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.2	
3/14/2022 1:33 PM	00:00	4.84 pH	21.10 °C	45.20 µS/cm	3.70 mg/L	2.58 NTU	175.2 mV	25.04 ft	400.00 ml/min
3/14/2022 1:38 PM	05:00	4.85 pH	21.16 °C	44.65 µS/cm	3.56 mg/L	3.16 NTU	123.5 mV	25.04 ft	400.00 ml/min
3/14/2022 1:43 PM	10:00	4.84 pH	20.91 °C	43.89 µS/cm	3.57 mg/L	4.11 NTU	115.2 mV	25.04 ft	400.00 ml/min
3/14/2022 1:48 PM	15:00	4.84 pH	20.78 °C	43.67 µS/cm	3.74 mg/L	4.25 NTU	112.7 mV	25.04 ft	400.00 ml/min
3/14/2022 1:53 PM	20:00	4.85 pH	20.70 °C	42.64 µS/cm	3.95 mg/L	5.07 NTU	112.4 mV	25.04 ft	400.00 ml/min
3/14/2022 1:58 PM	25:00	4.85 pH	20.58 °C	42.39 µS/cm	4.09 mg/L	3.50 NTU	111.9 mV	25.04 ft	400.00 ml/min
3/14/2022 2:03 PM	30:00	4.85 pH	20.37 °C	42.32 µS/cm	4.09 mg/L	3.09 NTU	110.7 mV	25.04 ft	400.00 ml/min
3/14/2022 2:08 PM	35:00	4.85 pH	20.24 °C	42.25 µS/cm	4.17 mg/L	2.22 NTU	164.9 mV	25.04 ft	400.00 ml/min
3/14/2022 2:13 PM	40:00	4.84 pH	20.70 °C	42.72 µS/cm	4.19 mg/L	1.93 NTU	111.2 mV	25.04 ft	400.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 3/15/2022 7:47:57 AM

Project: Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-5 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46 ft Total Depth: 56 ft Initial Depth to Water: 24.13 ft	Pump Type: QED Tubing Type: Pe Pump Intake From TOC: 51 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
---	---	--

Test Notes:

Sample time @ 0815. Rainy 65.

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	+/- 0.2	
3/15/2022 7:47 AM	00:00	7.93 pH	17.27 °C	45.76 µS/cm	4.08 mg/L	0.70 NTU	116.8 mV	24.13 ft	400.00 ml/min
3/15/2022 7:52 AM	05:00	6.12 pH	17.31 °C	40.38 µS/cm	1.86 mg/L	0.66 NTU	126.8 mV	24.13 ft	400.00 ml/min
3/15/2022 7:57 AM	10:00	5.25 pH	17.14 °C	40.10 µS/cm	1.41 mg/L	0.58 NTU	138.8 mV	24.13 ft	400.00 ml/min
3/15/2022 8:02 AM	15:00	5.03 pH	17.19 °C	40.51 µS/cm	1.29 mg/L	0.40 NTU	151.9 mV	24.13 ft	400.00 ml/min
3/15/2022 8:07 AM	20:00	4.95 pH	17.22 °C	40.07 µS/cm	1.23 mg/L	0.31 NTU	159.2 mV	24.13 ft	400.00 ml/min
3/15/2022 8:12 AM	25:00	4.92 pH	17.19 °C	40.14 µS/cm	1.19 mg/L	0.30 NTU	167.4 mV	24.13 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-5	Sample time @ 0815. Rainy 65.

Low-Flow Test Report:

Test Date / Time: 3/15/2022 7:26:03 AM

Project: Daniel Gypsum

Operator Name: Brett Surles

Location Name: Daniel MW-6 Well Diameter: 2 in Casing Type: PE Screen Length: 10 ft Top of Screen: 46 ft Total Depth: 56 ft Initial Depth to Water: 24.45 m	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 51 ft Estimated Total Volume Pumped: 8 liter Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.04 in	Instrument Used: Aqua TROLL 400 Serial Number: 800306
--	---	--

Test Notes:

Sample@0747, Eb-1@0809,Fb -1@0815

Weather Conditions:

Rainy 60

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.2	+/- 0.5	+/- 5 %	+/- 0.2	+/- 10	+/- 20	+/- 0.2	
3/15/2022 7:26 AM	00:00	6.44 pH	16.83 °C	5.76 µS/cm	9.80 mg/L	1.85 NTU	56.3 mV	24.50 ft	400.00 ml/min
3/15/2022 7:31 AM	05:00	4.88 pH	18.90 °C	58.02 µS/cm	1.98 mg/L	0.59 NTU	168.1 mV	24.50 ft	400.00 ml/min
3/15/2022 7:36 AM	10:00	4.75 pH	18.81 °C	56.48 µS/cm	1.84 mg/L	0.43 NTU	106.6 mV	24.50 ft	400.00 ml/min
3/15/2022 7:41 AM	15:00	4.67 pH	18.70 °C	56.04 µS/cm	1.77 mg/L	0.49 NTU	103.0 mV	24.50 ft	400.00 ml/min
3/15/2022 7:46 AM	20:00	4.64 pH	18.73 °C	58.58 µS/cm	1.65 mg/L	0.32 NTU	101.2 mV	24.50 ft	400.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Low-Flow Test Report:

Test Date / Time: 3/15/2022 9:16:22 AM

Project: Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-7 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 44.5 ft Total Depth: 54.5 ft Initial Depth to Water: 22.37 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 49.5 ft Estimated Total Volume Pumped: 8000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
---	---	--

Test Notes:

Sample time @ 0945. Rainy 65. DUP-01 @ fake time 0845.

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	+/- 0.2	
3/15/2022 9:16 AM	00:00	4.39 pH	18.12 °C	103.90 µS/cm	7.13 mg/L	0.70 NTU	209.3 mV	22.40 ft	400.00 ml/min
3/15/2022 9:21 AM	05:00	4.28 pH	18.20 °C	115.14 µS/cm	6.87 mg/L	0.66 NTU	220.0 mV	22.40 ft	400.00 ml/min
3/15/2022 9:26 AM	10:00	4.27 pH	17.80 °C	116.57 µS/cm	6.39 mg/L	0.52 NTU	226.9 mV	22.40 ft	400.00 ml/min
3/15/2022 9:31 AM	15:00	4.25 pH	17.97 °C	116.93 µS/cm	6.38 mg/L	0.50 NTU	232.3 mV	22.40 ft	400.00 ml/min
3/15/2022 9:36 AM	20:00	4.24 pH	17.81 °C	117.23 µS/cm	6.37 mg/L	0.42 NTU	236.1 mV	22.40 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-7	Sample time @ 0945. Rainy 65. DUP-01 @ fake time 0845.

Low-Flow Test Report:

Test Date / Time: 3/14/2022 5:09:35 PM

Project: Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-8 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 45.8 ft Total Depth: 55.8 ft Initial Depth to Water: 22.42 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 50.8 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
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Test Notes:

Sample time @ 1730. Pc 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	+/- 0.2	
3/14/2022 5:09 PM	00:00	4.79 pH	21.57 °C	63.63 µS/cm	6.82 mg/L	0.84 NTU	267.4 mV	22.44 ft	400.00 ml/min
3/14/2022 5:14 PM	05:00	4.67 pH	21.37 °C	66.25 µS/cm	6.74 mg/L	0.61 NTU	271.2 mV	22.44 ft	400.00 ml/min
3/14/2022 5:19 PM	10:00	4.66 pH	21.37 °C	66.83 µS/cm	6.72 mg/L	0.57 NTU	273.3 mV	22.44 ft	400.00 ml/min
3/14/2022 5:24 PM	15:00	4.65 pH	21.33 °C	66.88 µS/cm	6.70 mg/L	0.55 NTU	275.2 mV	22.44 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-8	Sample time @ 1730. Pc 68

Low-Flow Test Report:

Test Date / Time: 3/14/2022 4:19:51 PM

Project: Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-9 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46.2 ft Total Depth: 56.2 ft Initial Depth to Water: 21.9 ft	Pump Type: QED Tubing Type: Pe Pump Intake From TOC: 51.2 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
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Test Notes:

Sample time @ 1640. 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	+/- 0.2	
3/14/2022 4:19 PM	00:00	4.84 pH	22.44 °C	45.02 µS/cm	5.57 mg/L	1.05 NTU	256.5 mV	21.92 ft	400.00 ml/min
3/14/2022 4:24 PM	05:00	4.86 pH	21.65 °C	46.06 µS/cm	5.62 mg/L	0.94 NTU	257.7 mV	21.92 ft	400.00 ml/min
3/14/2022 4:29 PM	10:00	4.89 pH	21.32 °C	46.31 µS/cm	5.66 mg/L	0.88 NTU	259.3 mV	21.92 ft	400.00 ml/min
3/14/2022 4:34 PM	15:00	4.76 pH	21.10 °C	46.77 µS/cm	5.66 mg/L	0.83 NTU	270.4 mV	21.92 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-9	Sample time @ 1640. Pc 72.

Low-Flow Test Report:

Test Date / Time: 3/14/2022 3:16:14 PM

Project: Daniel GSA

Operator Name: Philip Evans

Location Name: Daniel GSA MW-10 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46.4 ft Total Depth: 56.4 ft Initial Depth to Water: 22.71 ft	Pump Type: QED Tubing Type: PE Pump Intake From TOC: 51.4 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 817728
--	--	--

Test Notes:

Sample time @ 1535. 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	+/- 0.2	
3/14/2022 3:16 PM	00:00	5.02 pH	21.43 °C	49.45 µS/cm	6.09 mg/L	0.92 NTU	243.9 mV	22.71 ft	400.00 ml/min
3/14/2022 3:21 PM	05:00	4.95 pH	21.38 °C	48.63 µS/cm	6.03 mg/L	0.75 NTU	244.7 mV	22.71 ft	400.00 ml/min
3/14/2022 3:26 PM	10:00	4.91 pH	21.51 °C	48.34 µS/cm	5.96 mg/L	0.70 NTU	246.7 mV	22.71 ft	400.00 ml/min
3/14/2022 3:31 PM	15:00	4.88 pH	21.41 °C	48.11 µS/cm	5.95 mg/L	0.64 NTU	248.1 mV	22.71 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-10	Sample time @ 1535. Pc 72.

2nd
Semi-Annual
Monitoring Event

ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-145619-1
Client Project/Site: Plant Daniel GSA CCR

For:
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Attn: Robert (Trey) Singleton



Authorized for release by:
10/7/2022 12:58:24 PM

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

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Preliminary Data

Case Narrative

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

Job ID: 180-145619-1

Job ID: 180-145619-1

Laboratory: Eurofins Pittsburgh

Narrative

**Job Narrative
180-145619-1**

Receipt

The samples were received on 10/5/2022 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 3.5°C, 4.0°C, 4.5°C and 4.8°C

Metals

Method 7470A: The continuing calibration verification (CCV) associated with batch 180-414325 recovered above the upper control limit for mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

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Definitions/Glossary

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

Job ID: 180-145619-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

Glossary

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

Eurofins Pittsburgh

Accreditation/Certification Summary

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

Job ID: 180-145619-1

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	06-27-22 *
California	State	2891	04-30-23
Connecticut	State	PH-0688	09-30-22 *
Florida	NELAP	E871008	06-30-23
Georgia	State	PA 02-00416	04-30-23
Illinois	NELAP	004375	06-30-23
Kansas	NELAP	E-10350	03-31-23
Kentucky (UST)	State	162013	04-30-23
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-23
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
New Hampshire	NELAP	2030	04-04-23
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-01-23
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-23
Oregon	NELAP	PA-2151	02-07-23
Pennsylvania	NELAP	02-00416	04-30-23
Rhode Island	State	LAO00362	12-31-22
South Carolina	State	89014	04-20-23
Texas	NELAP	T104704528	03-31-23
USDA	US Federal Programs	P330-16-00211	06-21-24
Utah	NELAP	PA001462019-8	05-31-23
Virginia	NELAP	10043	09-14-23
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-23

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



Sample Summary

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

Job ID: 180-145619-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-145619-1	MW-1	Water	10/03/22 17:54	10/05/22 09:00
180-145619-2	MW-2	Water	10/03/22 14:50	10/05/22 09:00
180-145619-3	MW-3	Water	10/03/22 18:19	10/05/22 09:00
180-145619-4	MW-4	Water	10/04/22 09:52	10/05/22 09:00

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Method Summary

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

Job ID: 180-145619-1

Method	Method Description	Protocol	Laboratory
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

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Lab Chronicle

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

Job ID: 180-145619-1

Client Sample ID: MW-1

Lab Sample ID: 180-145619-1

Date Collected: 10/03/22 17:54

Matrix: Water

Date Received: 10/05/22 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	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:32	RJR	EET PIT
Instrument ID: HGY										

Client Sample ID: MW-2

Lab Sample ID: 180-145619-2

Date Collected: 10/03/22 14:50

Matrix: Water

Date Received: 10/05/22 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	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:33	RJR	EET PIT
Instrument ID: HGY										

Client Sample ID: MW-3

Lab Sample ID: 180-145619-3

Date Collected: 10/03/22 18:19

Matrix: Water

Date Received: 10/05/22 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	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:34	RJR	EET PIT
Instrument ID: HGY										

Client Sample ID: MW-4

Lab Sample ID: 180-145619-4

Date Collected: 10/04/22 09:52

Matrix: Water

Date Received: 10/05/22 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	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:35	RJR	EET PIT
Instrument ID: HGY										

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Prep

RJR = Ron Rosenbaum

Batch Type: Analysis

RJR = Ron Rosenbaum

Eurofins Pittsburgh

Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-1

Date Collected: 10/03/22 17:54

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-1

Matrix: Water

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		10/06/22 07:30	10/06/22 11:32	1

Client Sample ID: MW-2

Date Collected: 10/03/22 14:50

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-2

Matrix: Water

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		10/06/22 07:30	10/06/22 11:33	1

Client Sample ID: MW-3

Date Collected: 10/03/22 18:19

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-3

Matrix: Water

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		10/06/22 07:30	10/06/22 11:34	1

Client Sample ID: MW-4

Date Collected: 10/04/22 09:52

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-4

Matrix: Water

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		10/06/22 07:30	10/06/22 11:35	1

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QC Sample Results

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

Job ID: 180-145619-1

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-414268/1-A
Matrix: Water
Analysis Batch: 414325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 414268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130	^+	0.000200	0.000130	mg/L		10/06/22 07:30	10/06/22 11:26	1

Lab Sample ID: LCS 180-414268/2-A
Matrix: Water
Analysis Batch: 414325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 414268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00250	0.002024	^+	mg/L		81	80 - 120

Preliminary Data

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QC Association Summary

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

Job ID: 180-145619-1

Metals

Prep Batch: 414268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	7470A	
180-145619-2	MW-2	Total/NA	Water	7470A	
180-145619-3	MW-3	Total/NA	Water	7470A	
180-145619-4	MW-4	Total/NA	Water	7470A	
MB 180-414268/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-414268/2-A	Lab Control Sample	Total/NA	Water	7470A	

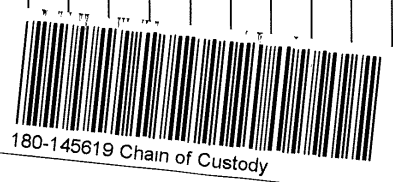
Analysis Batch: 414325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	EPA 7470A	414268
180-145619-2	MW-2	Total/NA	Water	EPA 7470A	414268
180-145619-3	MW-3	Total/NA	Water	EPA 7470A	414268
180-145619-4	MW-4	Total/NA	Water	EPA 7470A	414268
MB 180-414268/1-A	Method Blank	Total/NA	Water	EPA 7470A	414268
LCS 180-414268/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	414268

Preliminary Data



Chain of Custody Record

Client Information Client Contact: <i>Hayden Kefauver / Bradlock</i> SCS Contacts: <i>850-336-0192</i> Company: SCS		Lab PM: Brown, Shail E-Mail: shail.brown@eurofinset.com		Carrier Tracking No(s): COC No: <i>WJZ</i>	
Address: 3535 Colonnade Pkwy Bin S 530 EC City: Birmingham State/Zip: Alabama Phone: 205 992.6283 Email: SCS Contacts Project Name: Plant Daniel GSA Site: CCR		Due Date Requested: TAT Requested (days): PO #: SCS10382606 WO #: Project #: 18020047 SSOV#:		Analysis Requested <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input type="checkbox"/> Custom 14 (AppII and IV) + Mercury <input type="checkbox"/> Chloride Fluoride and Sulfate <input type="checkbox"/> Total Dissolved Solids <input type="checkbox"/> Radium 226 Radium 228 + Combined <input type="checkbox"/> Total Number of Containers	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=waste/oil, BT=tissue, A=air) Preservation Code:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 K - EDTA L - EDA Z - other (specify) Other:		Special Instructions/Note: 	
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 Deliverable Requested I, II, III, IV, Other (specify)		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	
Empty Kit Relinquished by Relinquished by: <i>Jimmy Ayers</i> Relinquished by: <i>ASAT BAW</i> Relinquished by:		Date/Time Date/Time: 10-4-22 1546 Date/Time: Date/Time:		Method of Shipment: Date/Time: 10-5-22 9:00 Date/Time: Date/Time:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:	



Chain of Custody Record

Client Information Client Contact: <i>Ameyadawster / Stradella</i> SCS Contacts: <i>650-336-0192</i> Company: SCS		Lab PM: <i>Brown, Shail</i> E-Mail: <i>shail.brown@eurofinset.com</i>		Carrier Tracking No(s): COC No: <i>PAGE 2 of 2</i>	
Address: 3535 Colonnade Pkwy Bin S 530 EC City: Birmingham State, Zip: Alabama Phone: 205 992 6283 Email: SCS Contacts Project Name: Plant Daniel GSA Site: <i>CCF</i>		Due Date Requested: TAT Requested (days): PO #: SCS10382606 WO #: Project #: 18020047 SSOW#:		Analysis Requested: Custom 14 (Appilil and IV) + Mercury Chloride Fluoride and Sulfate Total Dissolved Solids Radium 226 Radium 228 + Combined Total Number of Containers: <i>5</i>	
Sample Identification EB-01 FB-01		Sample Date: <i>10-3-22</i> Sample Time: <i>1722</i> Matrix: <i>W</i>		Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> Yes Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> Yes	
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 Type (C=Comp, G=grab): <i>G</i> Preservation Code: <i>W</i>		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 <input type="checkbox"/> Months	
Deliverable Requested 1, II, III, IV, Other (specify)		Empty Kit Relinquished by: <i>Ameyadawster</i> Relinquished by: <i>Ameyadawster</i> Relinquished by:		Special Instructions/QC Requirements: Method of Shipment:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Date/Time: <i>10-4-22 1546</i> Date/Time:		Date/Time: <i>10-5-22 9:00</i> Date/Time:	
Company: <i>ASH EW</i> Company:		Company: <i>ASH EW</i> Company:		Company: <i>ASH EW</i> Company:	
Cooler Temperature(s) °C and Other Remarks		Cooler Temperature(s) °C and Other Remarks		Cooler Temperature(s) °C and Other Remarks	





180-145619 Waybill

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
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ORIGIN ID:MOBA (850) 382-7197
 TESTAMERICA PITTSBURGH LAB
 SEE CHEERS 5 BEFORE BILL
 301 ALPHA DR
 PITTSBURGH, PA 15238
 UNITED STATES US

SHIP DATE: 04OCT22
 ACTWGT: 57.65 LB
 CAD: 6994563/SSFE2322
 DIMS: 25x12x14 IN
 BILL THIRD PARTY

TO TEST AMERICA

301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7068

REF:

INU:

DEPT:

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
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ORIGIN ID:MOBA (850) 382-7197
 TESTAMERICA PITTSBURGH LAB
 SEE CHEERS 5 BEFORE BILL
 301 ALPHA DR
 PITTSBURGH, PA 15238
 UNITED STATES US

SHIP DATE: 04OCT22
 ACTWGT: 75.65 LB
 CAD: 6994563/SSFE2322
 DIMS: 25x13x14 IN

BILL THIRD PARTY

TO TEST AMERICA

301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7068

REF:

INU:

DEPT:



Uncorrected temp 4.5 C
 Thermometer ID 20

CF 0 Initials mo

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

FedEx Express



2 of 4
 MPS# 2787 5270 7665
 Mstr# 2787 5270 7654

RT 98

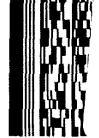
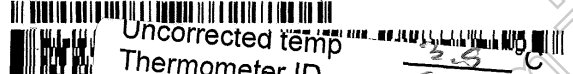
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7665 10:05 4T

XN AGCA

AHS
 15238
 PA-US PIT



Uncorrected temp 3.5 C
 Thermometer ID 20

CF 0 Initials mo

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

FedEx Express

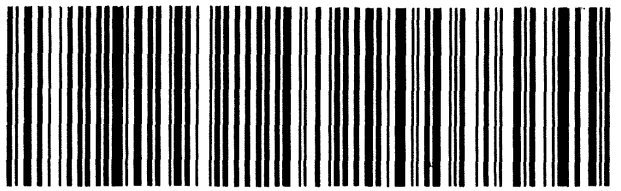


1 of 4
 TRK# 0201 2787 5270 7654
 ## MASTER ##

WED - 05 OCT 10:30A
 PRIORITY OVERNIGHT

XN AGCA

15238
 PA-US PIT



Courier or Driver: Place Astra or barcode label here.

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Part # 156297-455 RRD22 EXP 07/23
 0221/FCSP/LT185

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Do not lift using this tag.

Recipient's Name <i>Please print.</i>		Phone Number	
ORIGIN ID:MOBA (850) 382-7197		SHIP DATE: 04OCT22	
TESTAMERICA PITTSBURGH LAB SEE CHEERS 5 BEFORE BILL 301 ALPHA DR PITTSBURGH, PA 15238 UNITED STATES US		ACTWTG: 64.45 LB CAD: 6994563/SSFE2322 DIMS: 25x12x14 IN	
TO TEST AMERICA		BILL THIRD PARTY	
301 ALPHA DR			
PITTSBURGH PA 15238			
(412) 983-7058		REF:	
INU:		DEPT:	
PO:		DEPT:	
Uncorrected temp		Thermometer ID	
CF <u> </u> Initials <u> </u>		PT-WI-SR-001 effective 11/8/18	

Recipient's Name <i>Please print.</i>		Phone Number	
ORIGIN ID:MOBA (850) 382-7197		SHIP DATE: 04OCT22	
TESTAMERICA PITTSBURGH LAB SEE CHEERS 5 BEFORE BILL 301 ALPHA DR PITTSBURGH, PA 15238 UNITED STATES US		ACTWTG: 56.95 LB CAD: 6994563/SSFE2322 DIMS: 25x12x14 IN	
TO TEST AMERICA		BILL THIRD PARTY	
301 ALPHA DR			
PITTSBURGH PA 15238			
(412) 983-7058		REF:	
INU:		DEPT:	
PO:		DEPT:	
Uncorrected temp		Thermometer ID	
CF <u> </u> Initials <u> </u>		PT-WI-SR-001 effective 11/8/18	

Part # 158297-435 RFD02 EXP 07/23

4 of 4
MPS# 0263 2787 5270 7687
Mstr# 2787 5270 7654

XN AGCA

15238
PA-US PIT

WED - 05 OCT 10:30A
PRIORITY OVERNIGHT

0201



3 of 4
MPS# 0263 2787 5270 7676
Mstr# 2787 5270 7654

XN AGCA

15238
PA-US PIT

WED - 05 OCT 10:30A
PRIORITY OVERNIGHT

0201



Courier or Driver: Place Astra or barcode label here.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-145619-1

Login Number: 145619

List Source: Eurofins Pittsburgh

List Number: 1

Creator: Abernathy, Eric L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	



ANALYTICAL REPORT

Eurofins Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

Laboratory Job ID: 180-145619-1
Client Project/Site: Plant Daniel GSA CCR

For:
Southern Company
3535 Colonnade Parkway
Bin S 530 EC
Birmingham, Alabama 35243

Attn: Robert (Trey) Singleton



Authorized for release by:
11/2/2022 8:40:46 PM

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

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

PA Lab ID: 02-00416



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Case Narrative

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

Job ID: 180-145619-1

Job ID: 180-145619-1

Laboratory: Eurofins Pittsburgh

Narrative

**Job Narrative
180-145619-1**

Comments

No additional comments.

Receipt

The samples were received on 10/5/2022 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 3.5° C, 4.0° C, 4.5° C and 4.8° C.

GC Semi VOA

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

Metals

Methods 6020A, 6020B: The continuing calibration verification (CCV) associated with batch 180-416793 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 180-416793/123), (CCV 180-416793/130) and (MB 180-415559/1-A).

Method 6020B: The post digestion spike % recovery for barium associated with batch 180-416793 was outside of control limits. The associated sample is: MW-1 (180-145619-1).

Method 6020B: The continuing calibration verification (CCV) associated with batch 180-416793 recovered above the upper control limit for beryllium. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EB-01 (180-145619-12), FB-01 (180-145619-13) and (CCV 180-416793/165).

Method 7470A: The continuing calibration verification (CCV) associated with batch 180-414325 recovered above the upper control limit for mercury. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

General Chemistry

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



Definitions/Glossary

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

Job ID: 180-145619-1

Qualifiers

HPLC/IC

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

Metals

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

Glossary

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

Accreditation/Certification Summary

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

Job ID: 180-145619-1

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	06-27-22 *
California	State	2891	04-30-23
Connecticut	State	PH-0688	09-30-22 *
Florida	NELAP	E871008	06-30-23
Georgia	State	PA 02-00416	04-30-23
Illinois	NELAP	004375	06-30-23
Kansas	NELAP	E-10350	03-31-23
Kentucky (UST)	State	162013	04-30-23
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22 *
Louisiana (All)	NELAP	04041	06-30-23
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
New Hampshire	NELAP	2030	04-04-23
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-01-23
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-23
Oregon	NELAP	PA-2151	02-07-23
Pennsylvania	NELAP	02-00416	04-30-23
Rhode Island	State	LAO00362	12-31-22
South Carolina	State	89014	04-20-23
Texas	NELAP	T104704528	03-31-23
USDA	US Federal Programs	P330-16-00211	06-21-24
Utah	NELAP	PA001462019-8	05-31-23
Virginia	NELAP	10043	09-14-23
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-23

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



Sample Summary

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

Job ID: 180-145619-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-145619-1	MW-1	Water	10/03/22 17:54	10/05/22 09:00
180-145619-2	MW-2	Water	10/03/22 14:50	10/05/22 09:00
180-145619-3	MW-3	Water	10/03/22 18:19	10/05/22 09:00
180-145619-4	MW-4	Water	10/04/22 09:52	10/05/22 09:00
180-145619-5	MW-5	Water	10/04/22 11:43	10/05/22 09:00
180-145619-6	MW-6	Water	10/04/22 08:27	10/05/22 09:00
180-145619-7	MW-7	Water	10/03/22 16:20	10/05/22 09:00
180-145619-8	MW-8	Water	10/03/22 11:00	10/05/22 09:00
180-145619-9	MW-9	Water	10/03/22 12:32	10/05/22 09:00
180-145619-10	MW-10	Water	10/03/22 16:08	10/05/22 09:00
180-145619-11	DUP-01	Water	10/03/22 17:19	10/05/22 09:00
180-145619-12	EB-01	Water	10/03/22 17:22	10/05/22 09:00
180-145619-13	FB-01	Water	10/03/22 17:05	10/05/22 09:00

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Method Summary

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

Job ID: 180-145619-1

Method	Method Description	Protocol	Laboratory
EPA 9056A	Anions, Ion Chromatography	SW846	EET PIT
EPA 6020B	Metals (ICP/MS)	SW846	EET PIT
EPA 7470A	Mercury (CVAA)	SW846	EET PIT
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PIT
7470A	Preparation, Mercury	SW846	EET PIT

Protocol References:

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

Lab Chronicle

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

Job ID: 180-145619-1

Client Sample ID: MW-1

Lab Sample ID: 180-145619-1

Date Collected: 10/03/22 17:54

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 15:08	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/28/22 23:55	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:32	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-145619-2

Date Collected: 10/03/22 14:50

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 15:53	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:13	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:33	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-145619-3

Date Collected: 10/03/22 18:19

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 16:08	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:24	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:34	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Lab Chronicle

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

Job ID: 180-145619-1

Client Sample ID: MW-4

Lab Sample ID: 180-145619-4

Date Collected: 10/04/22 09:52

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 16:22	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:28	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414325	10/06/22 11:35	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-145619-5

Date Collected: 10/04/22 11:43

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 16:37	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:31	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:40	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-6

Lab Sample ID: 180-145619-6

Date Collected: 10/04/22 08:27

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 16:52	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:35	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:41	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Lab Chronicle

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

Job ID: 180-145619-1

Client Sample ID: MW-7

Lab Sample ID: 180-145619-7

Date Collected: 10/03/22 16:20

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 17:37	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:39	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:42	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-8

Lab Sample ID: 180-145619-8

Date Collected: 10/03/22 11:00

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 17:52	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:42	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:43	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: MW-9

Lab Sample ID: 180-145619-9

Date Collected: 10/03/22 12:32

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 18:06	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:46	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:44	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Lab Chronicle

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

Job ID: 180-145619-1

Client Sample ID: MW-10
Date Collected: 10/03/22 16:08
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-10
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			414414	10/07/22 18:21	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:50	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:45	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: DUP-01
Date Collected: 10/03/22 17:19
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-11
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			414414	10/07/22 18:36	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 00:53	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:30	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:46	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Client Sample ID: EB-01
Date Collected: 10/03/22 17:22
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-12
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			414414	10/07/22 19:21	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 01:04	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:49	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:47	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Lab Chronicle

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

Job ID: 180-145619-1

Client Sample ID: FB-01

Lab Sample ID: 180-145619-13

Date Collected: 10/03/22 17:05

Matrix: Water

Date Received: 10/05/22 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			414414	10/07/22 19:36	SNL	EET PIT
Instrument ID: CHIC2100A										
Total Recoverable	Prep	3005A			25 mL	25 mL	415559	10/19/22 12:05	HCY	EET PIT
Total Recoverable	Analysis	EPA 6020B		1			416793	10/29/22 01:08	RSK	EET PIT
Instrument ID: A										
Total/NA	Prep	7470A			25 mL	25 mL	414268	10/06/22 07:49	RJR	EET PIT
Total/NA	Analysis	EPA 7470A		1			414362	10/06/22 14:48	RJR	EET PIT
Instrument ID: HGY										
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	414515	10/08/22 14:29	SNR	EET PIT
Instrument ID: NOEQUIP										

Laboratory References:

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

Analyst References:

Lab: EET PIT

Batch Type: Prep

HCY = Harrison Yaeger

RJR = Ron Rosenbaum

Batch Type: Analysis

RJR = Ron Rosenbaum

RSK = Robert Kurtz

SNL = Sean Lordo

SNR = Sabra Richart

Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-1

Lab Sample ID: 180-145619-1

Date Collected: 10/03/22 17:54

Matrix: Water

Date Received: 10/05/22 09:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.41		1.00	0.713	mg/L			10/07/22 15:08	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 15:08	1
Sulfate	8.36		1.00	0.756	mg/L			10/07/22 15:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000630	J	0.00200	0.000506	mg/L		10/19/22 12:05	10/28/22 23:55	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/28/22 23:55	1
Barium	0.0815		0.0100	0.00314	mg/L		10/19/22 12:05	10/28/22 23:55	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/28/22 23:55	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/28/22 23:55	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/28/22 23:55	1
Calcium	2.37		0.500	0.127	mg/L		10/19/22 12:05	10/28/22 23:55	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/28/22 23:55	1
Cobalt	0.000947		0.000500	0.000261	mg/L		10/19/22 12:05	10/28/22 23:55	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/28/22 23:55	1
Lithium	0.00108	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/28/22 23:55	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/28/22 23:55	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/28/22 23:55	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/28/22 23:55	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		10/06/22 07:30	10/06/22 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	64.0		10.0	10.0	mg/L			10/08/22 14:29	1

Client Sample ID: MW-2

Lab Sample ID: 180-145619-2

Date Collected: 10/03/22 14:50

Matrix: Water

Date Received: 10/05/22 09:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.85		1.00	0.713	mg/L			10/07/22 15:53	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 15:53	1
Sulfate	<0.756		1.00	0.756	mg/L			10/07/22 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000699	J	0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:13	1
Arsenic	0.000349	J	0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:13	1
Barium	0.0625		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:13	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:13	1
Boron	0.0788	J	0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:13	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:13	1
Calcium	0.969		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:13	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:13	1
Cobalt	0.00106		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:13	1
Lead	0.000308	J	0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:13	1

Eurofins Pittsburgh

Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-2

Date Collected: 10/03/22 14:50

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.00133	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:13	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:13	1
Selenium	0.000773	J	0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:13	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:13	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		10/06/22 07:30	10/06/22 11:33	1

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			10/08/22 14:29	1

Client Sample ID: MW-3

Date Collected: 10/03/22 18:19

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-3

Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		1.00	0.713	mg/L			10/07/22 16:08	1
Fluoride	0.0388	J	0.100	0.0260	mg/L			10/07/22 16:08	1
Sulfate	1.25		1.00	0.756	mg/L			10/07/22 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:24	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:24	1
Barium	0.135		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:24	1
Beryllium	0.000349	J	0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:24	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:24	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:24	1
Calcium	2.19		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:24	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:24	1
Cobalt	0.00202		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:24	1
Lead	0.000758	J	0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:24	1
Lithium	0.00168	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:24	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:24	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:24	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:24	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		10/06/22 07:30	10/06/22 11:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	61.0		10.0	10.0	mg/L			10/08/22 14:29	1

Eurofins Pittsburgh

Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-4

Lab Sample ID: 180-145619-4

Date Collected: 10/04/22 09:52

Matrix: Water

Date Received: 10/05/22 09:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.41		1.00	0.713	mg/L			10/07/22 16:22	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 16:22	1
Sulfate	1.86		1.00	0.756	mg/L			10/07/22 16:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000671	J	0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:28	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:28	1
Barium	0.0364		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:28	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:28	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:28	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:28	1
Calcium	0.755		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:28	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:28	1
Cobalt	0.000860		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:28	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:28	1
Lithium	0.00206	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:28	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:28	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:28	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:28	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		10/06/22 07:30	10/06/22 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	36.0		10.0	10.0	mg/L			10/08/22 14:29	1

Client Sample ID: MW-5

Lab Sample ID: 180-145619-5

Date Collected: 10/04/22 11:43

Matrix: Water

Date Received: 10/05/22 09:00

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.53		1.00	0.713	mg/L			10/07/22 16:37	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 16:37	1
Sulfate	6.61		1.00	0.756	mg/L			10/07/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:31	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:31	1
Barium	0.0611		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:31	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:31	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:31	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:31	1
Calcium	1.78		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:31	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:31	1
Cobalt	0.00217		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:31	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:31	1

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Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-5
Date Collected: 10/04/22 11:43
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.00138	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:31	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:31	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:31	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:31	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		10/06/22 07:30	10/06/22 14:40	1

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			10/08/22 14:29	1

Client Sample ID: MW-6
Date Collected: 10/04/22 08:27
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-6
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.67		1.00	0.713	mg/L			10/07/22 16:52	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 16:52	1
Sulfate	0.791	J	1.00	0.756	mg/L			10/07/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:35	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:35	1
Barium	0.0549		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:35	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:35	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:35	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:35	1
Calcium	0.804		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:35	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:35	1
Cobalt	0.00196		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:35	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:35	1
Lithium	0.00139	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:35	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:35	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:35	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:35	1

Method: SW846 EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00143		0.000200	0.000130	mg/L		10/06/22 07:30	10/06/22 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	28.0		10.0	10.0	mg/L			10/08/22 14:29	1

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Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-7
Date Collected: 10/03/22 16:20
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-7
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.6		1.00	0.713	mg/L			10/07/22 17:37	1
Fluoride	0.0320	J	0.100	0.0260	mg/L			10/07/22 17:37	1
Sulfate	<0.756		1.00	0.756	mg/L			10/07/22 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:39	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:39	1
Barium	0.195		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:39	1
Beryllium	0.000278	J	0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:39	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:39	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:39	1
Calcium	2.28		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:39	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:39	1
Cobalt	0.00214		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:39	1
Lead	0.000219	J	0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:39	1
Lithium	0.00179	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:39	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:39	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:39	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:39	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		10/06/22 07:30	10/06/22 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	79.0		10.0	10.0	mg/L			10/08/22 14:29	1

Client Sample ID: MW-8
Date Collected: 10/03/22 11:00
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-8
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.95		1.00	0.713	mg/L			10/07/22 17:52	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 17:52	1
Sulfate	3.06		1.00	0.756	mg/L			10/07/22 17:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:42	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:42	1
Barium	0.0757		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:42	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:42	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:42	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:42	1
Calcium	1.66		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:42	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:42	1
Cobalt	0.000726		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:42	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:42	1

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Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-8
Date Collected: 10/03/22 11:00
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.000959	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:42	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:42	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:42	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:42	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		10/06/22 07:30	10/06/22 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	40.0		10.0	10.0	mg/L			10/08/22 14:29	1

Client Sample ID: MW-9
Date Collected: 10/03/22 12:32
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-9
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.96		1.00	0.713	mg/L			10/07/22 18:06	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 18:06	1
Sulfate	2.45		1.00	0.756	mg/L			10/07/22 18:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:46	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:46	1
Barium	0.0307		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:46	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:46	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:46	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:46	1
Calcium	0.581		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:46	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:46	1
Cobalt	0.000661		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:46	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:46	1
Lithium	0.00106	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:46	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:46	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:46	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:46	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		10/06/22 07:30	10/06/22 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	31.0		10.0	10.0	mg/L			10/08/22 14:29	1

Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: MW-10
Date Collected: 10/03/22 16:08
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-10
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.70		1.00	0.713	mg/L			10/07/22 18:21	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 18:21	1
Sulfate	3.38		1.00	0.756	mg/L			10/07/22 18:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:50	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:50	1
Barium	0.0164		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:50	1
Beryllium	<0.000274		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:50	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:50	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:50	1
Calcium	0.415 J		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:50	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:50	1
Cobalt	0.000543		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:50	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:50	1
Lithium	<0.000831		0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:50	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:50	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:50	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:50	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		10/06/22 07:30	10/06/22 14:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	33.0		10.0	10.0	mg/L			10/08/22 14:29	1

Client Sample ID: DUP-01
Date Collected: 10/03/22 17:19
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-11
Matrix: Water

Method: SW846 EPA 9056A - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.3		1.00	0.713	mg/L			10/07/22 18:36	1
Fluoride	0.0380 J		0.100	0.0260	mg/L			10/07/22 18:36	1
Sulfate	1.07		1.00	0.756	mg/L			10/07/22 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 00:53	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 00:53	1
Barium	0.137		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 00:53	1
Beryllium	0.000341 J		0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 00:53	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 00:53	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 00:53	1
Calcium	2.10		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 00:53	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 00:53	1
Cobalt	0.00205		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 00:53	1
Lead	0.000692 J		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 00:53	1

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Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: DUP-01

Lab Sample ID: 180-145619-11

Date Collected: 10/03/22 17:19

Matrix: Water

Date Received: 10/05/22 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.00181	J	0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 00:53	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 00:53	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 00:53	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 00:53	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		10/06/22 07:30	10/06/22 14:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	57.0		10.0	10.0	mg/L			10/08/22 14:29	1

Client Sample ID: EB-01

Lab Sample ID: 180-145619-12

Date Collected: 10/03/22 17:22

Matrix: Water

Date Received: 10/05/22 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			10/07/22 19:21	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 19:21	1
Sulfate	<0.756		1.00	0.756	mg/L			10/07/22 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000583	J	0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 01:04	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 01:04	1
Barium	<0.00314		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 01:04	1
Beryllium	<0.000274	^+	0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 01:04	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 01:04	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 01:04	1
Calcium	<0.127		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 01:04	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 01:04	1
Cobalt	<0.000261		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 01:04	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 01:04	1
Lithium	<0.000831		0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 01:04	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 01:04	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 01:04	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 01:04	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		10/06/22 07:49	10/06/22 14:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			10/08/22 14:29	1

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Client Sample Results

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

Job ID: 180-145619-1

Client Sample ID: FB-01

Lab Sample ID: 180-145619-13

Date Collected: 10/03/22 17:05

Matrix: Water

Date Received: 10/05/22 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			10/07/22 19:36	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 19:36	1
Sulfate	<0.756		1.00	0.756	mg/L			10/07/22 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.000759	J	0.00200	0.000506	mg/L		10/19/22 12:05	10/29/22 01:08	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/29/22 01:08	1
Barium	<0.00314		0.0100	0.00314	mg/L		10/19/22 12:05	10/29/22 01:08	1
Beryllium	<0.000274	^+	0.00100	0.000274	mg/L		10/19/22 12:05	10/29/22 01:08	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/29/22 01:08	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/29/22 01:08	1
Calcium	<0.127		0.500	0.127	mg/L		10/19/22 12:05	10/29/22 01:08	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/29/22 01:08	1
Cobalt	<0.000261		0.000500	0.000261	mg/L		10/19/22 12:05	10/29/22 01:08	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/29/22 01:08	1
Lithium	<0.000831		0.00500	0.000831	mg/L		10/19/22 12:05	10/29/22 01:08	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/29/22 01:08	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/29/22 01:08	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/29/22 01:08	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		10/06/22 07:49	10/06/22 14:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	<10.0		10.0	10.0	mg/L			10/08/22 14:29	1

QC Sample Results

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

Job ID: 180-145619-1

Method: EPA 9056A - Anions, Ion Chromatography

Lab Sample ID: MB 180-414414/22
Matrix: Water
Analysis Batch: 414414

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			10/07/22 14:38	1
Fluoride	<0.0260		0.100	0.0260	mg/L			10/07/22 14:38	1
Sulfate	<0.756		1.00	0.756	mg/L			10/07/22 14:38	1

Lab Sample ID: LCS 180-414414/23
Matrix: Water
Analysis Batch: 414414

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	49.69		mg/L		99	80 - 120
Fluoride	2.50	2.449		mg/L		98	80 - 120
Sulfate	50.0	49.11		mg/L		98	80 - 120

Lab Sample ID: 180-145619-1 MS
Matrix: Water
Analysis Batch: 414414

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	3.41		50.0	53.53		mg/L		100	80 - 120
Fluoride	<0.0260		2.50	2.456		mg/L		98	80 - 120
Sulfate	8.36		50.0	58.00		mg/L		99	80 - 120

Lab Sample ID: 180-145619-1 MSD
Matrix: Water
Analysis Batch: 414414

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	3.41		50.0	53.44		mg/L		100	80 - 120	0	15
Fluoride	<0.0260		2.50	2.473		mg/L		99	80 - 120	1	15
Sulfate	8.36		50.0	57.96		mg/L		99	80 - 120	0	15

Lab Sample ID: 180-145619-11 MS
Matrix: Water
Analysis Batch: 414414

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12.3		50.0	63.30		mg/L		102	80 - 120
Fluoride	0.0380	J	2.50	2.553		mg/L		101	80 - 120
Sulfate	1.07		50.0	52.11		mg/L		102	80 - 120

Lab Sample ID: 180-145619-11 MSD
Matrix: Water
Analysis Batch: 414414

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12.3		50.0	61.78		mg/L		99	80 - 120	2	15
Fluoride	0.0380	J	2.50	2.501		mg/L		99	80 - 120	2	15
Sulfate	1.07		50.0	51.01		mg/L		100	80 - 120	2	15

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QC Sample Results

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

Job ID: 180-145619-1

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

Lab Sample ID: MB 180-415559/1-A
Matrix: Water
Analysis Batch: 416793

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 415559

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.000506		0.00200	0.000506	mg/L		10/19/22 12:05	10/28/22 22:54	1
Arsenic	<0.000282		0.00100	0.000282	mg/L		10/19/22 12:05	10/28/22 22:54	1
Barium	<0.00314		0.0100	0.00314	mg/L		10/19/22 12:05	10/28/22 22:54	1
Beryllium	<0.000274	^+	0.00100	0.000274	mg/L		10/19/22 12:05	10/28/22 22:54	1
Boron	<0.0601		0.0800	0.0601	mg/L		10/19/22 12:05	10/28/22 22:54	1
Cadmium	<0.000217		0.00100	0.000217	mg/L		10/19/22 12:05	10/28/22 22:54	1
Calcium	<0.127		0.500	0.127	mg/L		10/19/22 12:05	10/28/22 22:54	1
Chromium	<0.00153		0.00200	0.00153	mg/L		10/19/22 12:05	10/28/22 22:54	1
Cobalt	<0.000261		0.000500	0.000261	mg/L		10/19/22 12:05	10/28/22 22:54	1
Lead	<0.000167		0.00100	0.000167	mg/L		10/19/22 12:05	10/28/22 22:54	1
Lithium	<0.000831		0.00500	0.000831	mg/L		10/19/22 12:05	10/28/22 22:54	1
Molybdenum	<0.000610		0.00500	0.000610	mg/L		10/19/22 12:05	10/28/22 22:54	1
Selenium	<0.000739		0.00500	0.000739	mg/L		10/19/22 12:05	10/28/22 22:54	1
Thallium	<0.000472		0.00100	0.000472	mg/L		10/19/22 12:05	10/28/22 22:54	1

Lab Sample ID: LCS 180-415559/2-A
Matrix: Water
Analysis Batch: 416793

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 415559

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.2854		mg/L		114	80 - 120
Arsenic	1.00	0.9912		mg/L		99	80 - 120
Barium	1.00	0.9997		mg/L		100	80 - 120
Beryllium	0.500	0.5256		mg/L		105	80 - 120
Boron	1.25	1.235		mg/L		99	80 - 120
Cadmium	0.500	0.5220		mg/L		104	80 - 120
Calcium	25.0	27.98		mg/L		112	80 - 120
Chromium	0.500	0.5111		mg/L		102	80 - 120
Cobalt	0.500	0.4917		mg/L		98	80 - 120
Lead	0.500	0.5182		mg/L		104	80 - 120
Lithium	0.500	0.4852		mg/L		97	80 - 120
Molybdenum	0.500	0.5175		mg/L		104	80 - 120
Selenium	1.00	0.9973		mg/L		100	80 - 120
Thallium	1.00	1.080		mg/L		108	80 - 120

Lab Sample ID: 180-145619-1 MS
Matrix: Water
Analysis Batch: 416793

Client Sample ID: MW-1
Prep Type: Total Recoverable
Prep Batch: 415559

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.000630	J	0.250	0.2869		mg/L		114	75 - 125
Arsenic	<0.000282		1.00	0.9634		mg/L		96	75 - 125
Barium	0.0815		1.00	1.080		mg/L		100	75 - 125
Beryllium	<0.000274		0.500	0.5518		mg/L		110	75 - 125
Boron	<0.0601		1.25	1.275		mg/L		102	75 - 125
Cadmium	<0.000217		0.500	0.5156		mg/L		103	75 - 125
Calcium	2.37		25.0	29.62		mg/L		109	75 - 125
Chromium	<0.00153		0.500	0.5067		mg/L		101	75 - 125
Cobalt	0.000947		0.500	0.4811		mg/L		96	75 - 125

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QC Sample Results

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

Job ID: 180-145619-1

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

Lab Sample ID: 180-145619-1 MS
Matrix: Water
Analysis Batch: 416793

Client Sample ID: MW-1
Prep Type: Total Recoverable
Prep Batch: 415559

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	<0.000167		0.500	0.5150		mg/L		103	75 - 125
Lithium	0.00108	J	0.500	0.4905		mg/L		98	75 - 125
Molybdenum	<0.000610		0.500	0.5224		mg/L		104	75 - 125
Selenium	<0.000739		1.00	0.9575		mg/L		96	75 - 125
Thallium	<0.000472		1.00	1.071		mg/L		107	75 - 125

Lab Sample ID: 180-145619-1 MSD
Matrix: Water
Analysis Batch: 416793

Client Sample ID: MW-1
Prep Type: Total Recoverable
Prep Batch: 415559

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.000630	J	0.250	0.2937		mg/L		117	75 - 125	2	20
Arsenic	<0.000282		1.00	1.014		mg/L		101	75 - 125	5	20
Barium	0.0815		1.00	1.110		mg/L		103	75 - 125	3	20
Beryllium	<0.000274		0.500	0.5686		mg/L		114	75 - 125	3	20
Boron	<0.0601		1.25	1.302		mg/L		104	75 - 125	2	20
Cadmium	<0.000217		0.500	0.5299		mg/L		106	75 - 125	3	20
Calcium	2.37		25.0	30.78		mg/L		114	75 - 125	4	20
Chromium	<0.00153		0.500	0.5308		mg/L		106	75 - 125	5	20
Cobalt	0.000947		0.500	0.4997		mg/L		100	75 - 125	4	20
Lead	<0.000167		0.500	0.5315		mg/L		106	75 - 125	3	20
Lithium	0.00108	J	0.500	0.5074		mg/L		101	75 - 125	3	20
Molybdenum	<0.000610		0.500	0.5439		mg/L		109	75 - 125	4	20
Selenium	<0.000739		1.00	1.002		mg/L		100	75 - 125	5	20
Thallium	<0.000472		1.00	1.087		mg/L		109	75 - 125	2	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-414268/1-A
Matrix: Water
Analysis Batch: 414325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 414268

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000130	^+	0.000200	0.000130	mg/L		10/06/22 07:30	10/06/22 11:26	1

Lab Sample ID: LCS 180-414268/2-A
Matrix: Water
Analysis Batch: 414325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 414268

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.002024	^+	mg/L		81	80 - 120

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

Lab Sample ID: MB 180-414515/1
Matrix: Water
Analysis Batch: 414515

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10.0		10.0	10.0	mg/L			10/08/22 14:29	1

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QC Sample Results

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

Job ID: 180-145619-1

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

Lab Sample ID: LCS 180-414515/2
Matrix: Water
Analysis Batch: 414515

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	665	640.0		mg/L		96	85 - 115

Lab Sample ID: 180-145619-1 DU
Matrix: Water
Analysis Batch: 414515

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	64.0		62.00		mg/L		3	10

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

QC Association Summary

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

Job ID: 180-145619-1

HPLC/IC

Analysis Batch: 414414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	EPA 9056A	
180-145619-2	MW-2	Total/NA	Water	EPA 9056A	
180-145619-3	MW-3	Total/NA	Water	EPA 9056A	
180-145619-4	MW-4	Total/NA	Water	EPA 9056A	
180-145619-5	MW-5	Total/NA	Water	EPA 9056A	
180-145619-6	MW-6	Total/NA	Water	EPA 9056A	
180-145619-7	MW-7	Total/NA	Water	EPA 9056A	
180-145619-8	MW-8	Total/NA	Water	EPA 9056A	
180-145619-9	MW-9	Total/NA	Water	EPA 9056A	
180-145619-10	MW-10	Total/NA	Water	EPA 9056A	
180-145619-11	DUP-01	Total/NA	Water	EPA 9056A	
180-145619-12	EB-01	Total/NA	Water	EPA 9056A	
180-145619-13	FB-01	Total/NA	Water	EPA 9056A	
MB 180-414414/22	Method Blank	Total/NA	Water	EPA 9056A	
LCS 180-414414/23	Lab Control Sample	Total/NA	Water	EPA 9056A	
180-145619-1 MS	MW-1	Total/NA	Water	EPA 9056A	
180-145619-1 MSD	MW-1	Total/NA	Water	EPA 9056A	
180-145619-11 MS	DUP-01	Total/NA	Water	EPA 9056A	
180-145619-11 MSD	DUP-01	Total/NA	Water	EPA 9056A	

Metals

Prep Batch: 414268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	7470A	
180-145619-2	MW-2	Total/NA	Water	7470A	
180-145619-3	MW-3	Total/NA	Water	7470A	
180-145619-4	MW-4	Total/NA	Water	7470A	
180-145619-5	MW-5	Total/NA	Water	7470A	
180-145619-6	MW-6	Total/NA	Water	7470A	
180-145619-7	MW-7	Total/NA	Water	7470A	
180-145619-8	MW-8	Total/NA	Water	7470A	
180-145619-9	MW-9	Total/NA	Water	7470A	
180-145619-10	MW-10	Total/NA	Water	7470A	
180-145619-11	DUP-01	Total/NA	Water	7470A	
180-145619-12	EB-01	Total/NA	Water	7470A	
180-145619-13	FB-01	Total/NA	Water	7470A	
MB 180-414268/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-414268/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 414325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	EPA 7470A	414268
180-145619-2	MW-2	Total/NA	Water	EPA 7470A	414268
180-145619-3	MW-3	Total/NA	Water	EPA 7470A	414268
180-145619-4	MW-4	Total/NA	Water	EPA 7470A	414268
MB 180-414268/1-A	Method Blank	Total/NA	Water	EPA 7470A	414268
LCS 180-414268/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	414268

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QC Association Summary

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

Job ID: 180-145619-1

Metals

Analysis Batch: 414362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-5	MW-5	Total/NA	Water	EPA 7470A	414268
180-145619-6	MW-6	Total/NA	Water	EPA 7470A	414268
180-145619-7	MW-7	Total/NA	Water	EPA 7470A	414268
180-145619-8	MW-8	Total/NA	Water	EPA 7470A	414268
180-145619-9	MW-9	Total/NA	Water	EPA 7470A	414268
180-145619-10	MW-10	Total/NA	Water	EPA 7470A	414268
180-145619-11	DUP-01	Total/NA	Water	EPA 7470A	414268
180-145619-12	EB-01	Total/NA	Water	EPA 7470A	414268
180-145619-13	FB-01	Total/NA	Water	EPA 7470A	414268

Prep Batch: 415559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total Recoverable	Water	3005A	
180-145619-2	MW-2	Total Recoverable	Water	3005A	
180-145619-3	MW-3	Total Recoverable	Water	3005A	
180-145619-4	MW-4	Total Recoverable	Water	3005A	
180-145619-5	MW-5	Total Recoverable	Water	3005A	
180-145619-6	MW-6	Total Recoverable	Water	3005A	
180-145619-7	MW-7	Total Recoverable	Water	3005A	
180-145619-8	MW-8	Total Recoverable	Water	3005A	
180-145619-9	MW-9	Total Recoverable	Water	3005A	
180-145619-10	MW-10	Total Recoverable	Water	3005A	
180-145619-11	DUP-01	Total Recoverable	Water	3005A	
180-145619-12	EB-01	Total Recoverable	Water	3005A	
180-145619-13	FB-01	Total Recoverable	Water	3005A	
MB 180-415559/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-415559/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-145619-1 MS	MW-1	Total Recoverable	Water	3005A	
180-145619-1 MSD	MW-1	Total Recoverable	Water	3005A	

Analysis Batch: 416793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total Recoverable	Water	EPA 6020B	415559
180-145619-2	MW-2	Total Recoverable	Water	EPA 6020B	415559
180-145619-3	MW-3	Total Recoverable	Water	EPA 6020B	415559
180-145619-4	MW-4	Total Recoverable	Water	EPA 6020B	415559
180-145619-5	MW-5	Total Recoverable	Water	EPA 6020B	415559
180-145619-6	MW-6	Total Recoverable	Water	EPA 6020B	415559
180-145619-7	MW-7	Total Recoverable	Water	EPA 6020B	415559
180-145619-8	MW-8	Total Recoverable	Water	EPA 6020B	415559
180-145619-9	MW-9	Total Recoverable	Water	EPA 6020B	415559
180-145619-10	MW-10	Total Recoverable	Water	EPA 6020B	415559
180-145619-11	DUP-01	Total Recoverable	Water	EPA 6020B	415559
180-145619-12	EB-01	Total Recoverable	Water	EPA 6020B	415559
180-145619-13	FB-01	Total Recoverable	Water	EPA 6020B	415559
MB 180-415559/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	415559
LCS 180-415559/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	415559
180-145619-1 MS	MW-1	Total Recoverable	Water	EPA 6020B	415559
180-145619-1 MSD	MW-1	Total Recoverable	Water	EPA 6020B	415559

Eurofins Pittsburgh

QC Association Summary

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


Job ID: 180-145619-1

General Chemistry

Analysis Batch: 414515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	SM 2540C	
180-145619-2	MW-2	Total/NA	Water	SM 2540C	
180-145619-3	MW-3	Total/NA	Water	SM 2540C	
180-145619-4	MW-4	Total/NA	Water	SM 2540C	
180-145619-5	MW-5	Total/NA	Water	SM 2540C	
180-145619-6	MW-6	Total/NA	Water	SM 2540C	
180-145619-7	MW-7	Total/NA	Water	SM 2540C	
180-145619-8	MW-8	Total/NA	Water	SM 2540C	
180-145619-9	MW-9	Total/NA	Water	SM 2540C	
180-145619-10	MW-10	Total/NA	Water	SM 2540C	
180-145619-11	DUP-01	Total/NA	Water	SM 2540C	
180-145619-12	EB-01	Total/NA	Water	SM 2540C	
180-145619-13	FB-01	Total/NA	Water	SM 2540C	
MB 180-414515/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-414515/2	Lab Control Sample	Total/NA	Water	SM 2540C	
180-145619-1 DU	MW-1	Total/NA	Water	SM 2540C	

Chain of Custody Record


Client Information		Lab PM		Carrier Tracking No(s)		COC No						
Client Contact: SCS Contacts Company: SCS		Brown, Shali E-Mail: shali.brown@eurofinset.com										
Address 3535 Colonnade Pkwy Bln S 530 EC City: Birmingham State, Zip Alabama		Sampler: <i>Mike Henderson / Braddeck</i> Phone: <i>850-336-0192</i>		Page: <i>1 of 2</i>		Job #:						
PO #: 205 992.6283 Email: SCS Contacts Project Name Plant Daniel GSA Site		Due Date Requested: TAT Requested (days): PO #: SCS10382606 WO #: Project #: 18020047 SSOW#:		Analysis Requested		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:						
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Custom (14 Appil and IV) + Mercury	Chloride Fluoride and Sulfate	Total Dissolved Solids	Radium 226 Radium 228 + Combined	Total Number of containers	Special Instructions/Note:
MW-1	10-3-22	1754	G	W	ND	X	X	X	X	X	5	 <p>180-145619 Chain of Custody</p>
MW-2	10-3-22	1450	G	W	ND	X	X	X	X	X	5	
MW-3	10-3-22	1819	G	W	ND	X	X	X	X	X	5	
MW-4	10-4-22	0952	G	W	ND	X	X	X	X	X	5	
MW-5	10-4-22	1143	G	W	ND	X	X	X	X	X	5	
MW-6	10-4-22	0827	G	W	ND	X	X	X	X	X	5	
MW-7	10-3-22	1620	G	W	ND	X	X	X	X	X	5	
MW-8	10-3-22	1100	G	W	ND	X	X	X	X	X	5	
MW-9	10-3-22	1232	G	W	ND	X	X	X	X	X	5	
MW-10	10-3-22	1608	G	W	ND	X	X	X	X	X	5	
DWP-01	10-3-22	1719	G	W	ND	X	X	X	X	X	5	
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 Deliverable Requested I, II, III, IV, Other (specify) _____ Empty Kit Relinquished by _____ Date: _____ Time: _____ Relinquished by: <i>Mike Henderson</i> Date/Time: 10-4-22 1546 Company: <i>Test America</i> Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: _____ Custody Seal No. _____ Cooler Temperature(s) °C and Other Remarks: _____												



Chain of Custody Record

<p>Client Information Client Contact: At my address / 1720 of SCS Contacts: 850-336-0192 Company: SCS</p>	<p>Address 3535 Colonnade Pkwy Bin S 530 EC Birmingham Alabama Phone: 205 992 6283 Email: SCS10382606 Project #: 18020047 Plant: Daniel GSA Site: CCF</p>	<p>Due Date Requested: TAT Requested (days): PO #: SCS10382606 WO #: Project #: 18020047 SSOV#:</p>	<p>Sampler: Rick Lab PM: Brown, Shali At my address / 1720 of E-Mail: shali.brown@eurofinset.com Phone: 850-336-0192</p>
<p>Carrier Tracking No(s)</p>		<p>COC No</p>	
<p>Analysis Requested</p>		<p>Page Page 2 of 2 Job #</p>	
<p>Sample Identification</p>		<p>Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:</p>	
<p>Sample Identification</p>		<p>Special Instructions/Note:</p>	
<p>EB-01</p>		<p>5</p>	
<p>FB-01</p>		<p>5</p>	
<p>Sample Date</p>		<p>Total Number of containers</p>	
<p>10-3-22</p>		<p>5</p>	
<p>10-3-22</p>		<p>5</p>	
<p>Sample Time</p>		<p>Field Filtered Sample (Yes or No)</p>	
<p>1722</p>		<p>X</p>	
<p>1705</p>		<p>X</p>	
<p>Sample Type (C=comp, G=grab)</p>		<p>Perform MS/MSD (Yes or No)</p>	
<p>G</p>		<p>X</p>	
<p>G</p>		<p>X</p>	
<p>Matrix (W=water, S=solid, O=wastebol, AT=Tissue, A=All)</p>		<p>Custom 14 (Appil and IV) + Mercury</p>	
<p>W</p>		<p>X</p>	
<p>W</p>		<p>X</p>	
<p>Sample Type (C=comp, G=grab)</p>		<p>Chloride Fluoride and Sulfate</p>	
<p>G</p>		<p>X</p>	
<p>G</p>		<p>X</p>	
<p>Preservation Code</p>		<p>Radium 226 Radium 228 + Combined</p>	
<p>W</p>		<p>X</p>	
<p>W</p>		<p>X</p>	

Chain of Custody Record

Client Information		Lab PM		Carrier Tracking No(s)		COC No						
Client Contact: SCS Contacts Company: SCS		Brown, Shali E-Mail: shali.brown@eurofinset.com										
Address 3535 Colonnade Pkwy Bln S 530 EC City: Birmingham State, Zip Alabama		Sampler: <i>App</i> <i>Anderson/Bradlock</i> Phone: <i>850-336-0192</i>		Page: <i>10/2</i>		Job #:						
PO #: 205 992.6283 Email: SCS Contacts Project Name Plant Daniel GSA Site		Due Date Requested: TAT Requested (days): PO #: SCS10382606 WO #: Project #: 18020047 SSOW#:		Analysis Requested		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:						
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Custom (14 Appil and IV) + Mercury	Chloride Fluoride and Sulfate	Total Dissolved Solids	Radium 226 Radium 228 + Combined	Total Number of containers	Special Instructions/Note:
MW-1	10-3-22	1754	G	W	ND	X	X	X	X	X	5	 <p>180-145619 Chain of Custody</p>
MW-2	10-3-22	1450	G	W	ND	X	X	X	X	X	5	
MW-3	10-3-22	1819	G	W	ND	X	X	X	X	X	5	
MW-4	10-4-22	0952	G	W	ND	X	X	X	X	X	5	
MW-5	10-4-22	1143	G	W	ND	X	X	X	X	X	5	
MW-6	10-4-22	0827	G	W	ND	X	X	X	X	X	5	
MW-7	10-3-22	1620	G	W	ND	X	X	X	X	X	5	
MW-8	10-3-22	1100	G	W	ND	X	X	X	X	X	5	
MW-9	10-3-22	1232	G	W	ND	X	X	X	X	X	5	
MW-10	10-3-22	1608	G	W	ND	X	X	X	X	X	5	
DWP-01	10-3-22	1719	G	W	ND	X	X	X	X	X	5	
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												
Deliverable Requested I, II, III, IV, Other (specify)												
Empty Kit Relinquished by												
Relinquished by: <i>Sherry App</i> Date: 10-4-22 Time: 1546 Relinquished by: Company: <i>LSH EM</i> Relinquished by: Company:												
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.												
Cooler Temperature(s) °C and Other Remarks:												
Received by: <i>MW</i> Date/Time: 10-5-22 9:00 Company: <i>cent</i> Received by: Company: Received by: Company:												
Method of Shipment:												
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												



Chain of Custody Record

Client Information Client Contact: <u>At my address / 1700 W</u> SCS Contacts: <u>Phone: 650-336-0192</u> Company: <u>SCS</u>		Lab PM: <u>Brown, Shai</u> E-Mail: <u>shai.brown@eurofinset.com</u>		Carrier Tracking No(s): COC No:		Page: <u>PAGE 2 of 2</u> Job #:	
Address: <u>3535 Colonnade Pkwy Bin S 530 EC</u> City: <u>Birmingham</u> State, Zip: <u>Alabama</u> Phone: <u>205 992 6283</u> Email: <u>SCS10382606</u>		Due Date Requested: TAT Requested (days): PO #: <u>SCS10382606</u> WO #:		Analysis Requested Custom 14 (Appil and IV) + Mercury Chloride Fluoride and Sulfate Total Dissolved Solids Radium 226 Radium 228 + Combined		Preservation Codes: 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: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Project Name: <u>Plant Daniel GSA</u> Site: <u>CCF</u>		Project #: <u>18020047</u> SSOW#:		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>		Total Number of containers:	
Sample Identification <u>EB-01</u> <u>FB-01</u>		Sample Date <u>10-3-22</u> <u>10-3-22</u>		Sample Time <u>1722</u> <u>1705</u>		Sample Type (C=comp, G=grab) <u>W</u> <u>W</u>	
Matrix (W=water, S=solid, O=wastebol, AT=Tissue, A=All) <u>W</u> <u>W</u>		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>		Special Instructions/Note: 5 5	
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							
Deliverable Requested I, II, III, IV, Other (specify)							
Empty Kit Relinquished by:							
Relinquished by: <u>Shay Khan</u>		Date/Time: <u>10-4-22 1546</u>		Company: <u>SCS</u>		Received by: <u>Shai Brown</u>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		Method of Shipment:	

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.

Received by: Shai Brown Date/Time: 10-5-22 9:00 Company: SCS

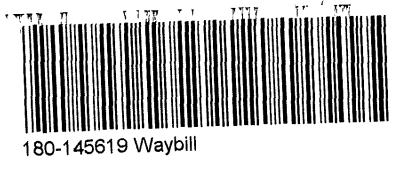
Received by:

Received by:

Received by:

Cooler Temperature(s) °C and Other Remarks





180-145619 Waybill

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
---------------------------------------	--------------

ORIGIN ID:MOBA (850) 382-7197	SHIP DATE: 04OCT22
TESTAMERICA PITTSBURGH LAB	ACTWGT: 57.65 LB
SEE CHEERS 5 BEFORE BILL	CAD: 6994563/SSFE2322
301 ALPHA DR	DIMS: 25x12x14 IN
PITTSBURGH, PA 15238	BILL THIRD PARTY
UNITED STATES US	

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
---------------------------------------	--------------

ORIGIN ID:MOBA (850) 382-7197	SHIP DATE: 04OCT22
TESTAMERICA PITTSBURGH LAB	ACTWGT: 75.65 LB
SEE CHEERS 5 BEFORE BILL	CAD: 6994563/SSFE2322
301 ALPHA DR	DIMS: 25x13x14 IN
PITTSBURGH, PA 15238	BILL THIRD PARTY
UNITED STATES US	

TO **TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7068 REF: INU: PO: DEPT:

Uncorrected temp	<u>4.5</u> C	FedEx Express
Thermometer ID	<u>20</u>	
CF <u>0</u>	Initials <u>mo</u>	E
PT-WI-SR-001 effective 11/8/18		

TO **TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7068 REF: INU: PO: DEPT:

Uncorrected temp	<u>4.5</u> C	FedEx Express
Thermometer ID	<u>20</u>	
CF <u>0</u>	Initials <u>mo</u>	E
PT-WI-SR-001 effective 11/8/18		

2 of 4
 MPS# 2787 5270 7665
 Mstr# 2787 5270 7654

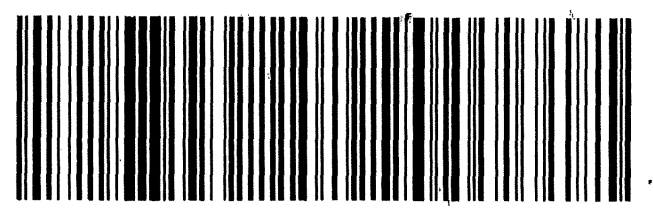
XN AGCA

RT 98
 10:30
 A OA
 7665
 10.05 JT
 AHS
 15238
 PA-US PIT

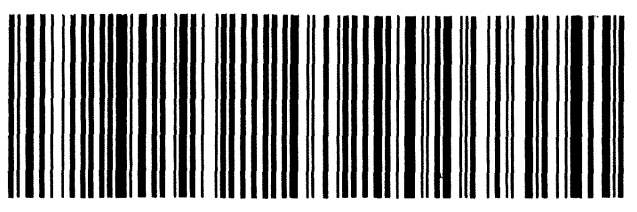
1 of 4
 TRK# 2787 5270 7654
 ## MASTER ##
 WED - 05 OCT 10:30A
 PRIORITY OVERNIGHT

XN AGCA

15238
 PA-US PIT



Courier or Driver: Place Astra or barcode label here.



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Part # 156297-495 FRDB2 EXP 07/23

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Do not lift using this tag.

Do not lift using this tag.

Recipient's Name *Please print.* Phone Number

Recipient's Name *Please print.* Phone Number
()

ORIGIN ID:MOBA (850) 382-7197
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 04OCT22
ACTWGT: 64.45 LB
CAD: 6994563/SSFE2322
DIMS: 25x12x14 IN
BILL THIRD PARTY

Company Dept./Floor/Suite/Room
ORIGIN ID:MOBA (850) 382-7197
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US
SHIP DATE: 04OCT22
ACTWGT: 56.95 LB
CAD: 6994563/SSFE2322
DIMS: 25x12x14 IN
BILL THIRD PARTY

Part # 150297-436 RHD2 EXP 07/23

TO TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238

TO TEST AMERICA
301 ALPHA DR
PITTSBURGH PA 15238

(412) 983-7058 REF: DEPT:
THU: PO: 1

(412) 983-7058 REF: DEPT:
THU: PO: 1

Uncorrected temp 40 °C
Thermometer ID 70
CF 0 Initials Mo
PT-WI-SR-001 effective 11/8/18
FedEx Express
E

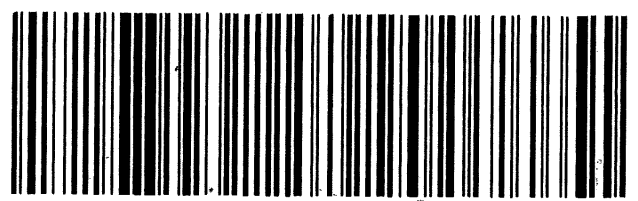
Uncorrected temp 48 °C
Thermometer ID 00
CF C Initials Mo
PT-WI-SR-001 effective 11/8/18
FedEx Express
E

4 of 4
MPS# 0263 2787 5270 7687
Mstr# 2787 5270 7654
WED - 05 OCT 10:30A
PRIORITY OVERNIGHT

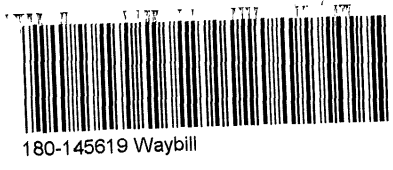
3 of 4
MPS# 0263 2787 5270 7676
Mstr# 2787 5270 7654
OCT 10:30A
PRIORITY OVERNIGHT

XN AGCA 15238 PA-US PIT

XN AGCA 15238 PA-US PIT



Courier or Driver: Place Astra or barcode label here.



180-145619 Waybill

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
---------------------------------------	--------------

ORIGIN ID:MOBA (850) 382-7197	SHIP DATE: 04OCT22
TESTAMERICA PITTSBURGH LAB	ACTWGT: 57.65 LB
SEE CHEERS 5 BEFORE BILL	CAD: 6994563/SSFE2322
301 ALPHA DR	DIMS: 25x12x14 IN
PITTSBURGH, PA 15238	BILL THIRD PARTY
UNITED STATES US	

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
---------------------------------------	--------------

ORIGIN ID:MOBA (850) 382-7197	SHIP DATE: 04OCT22
TESTAMERICA PITTSBURGH LAB	ACTWGT: 75.65 LB
SEE CHEERS 5 BEFORE BILL	CAD: 6994563/SSFE2322
301 ALPHA DR	DIMS: 25x13x14 IN
PITTSBURGH, PA 15238	BILL THIRD PARTY
UNITED STATES US	

TO **TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7068 REF: DEPT:

Uncorrected temp	<u>4.5</u> C	FedEx Express
Thermometer ID	<u>20</u>	
CF <u>0</u>	Initials <u>mo</u>	E
PT-WI-SR-001 effective 11/8/18		

TO **TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 963-7068 REF: DEPT:

Uncorrected temp	<u>4.5</u> C	FedEx Express
Thermometer ID	<u>20</u>	
CF <u>0</u>	Initials <u>mo</u>	E
PT-WI-SR-001 effective 11/8/18		

2 of 4

MPS# 2787 5270 7665

Mstr# 2787 5270 7654

XN AGCA

RT 98

10:30

A 0A

7665

10:05 JT

AHS

15238

PA-US PIT

1 of 4

TRK# 2787 5270 7654

0201

MASTER

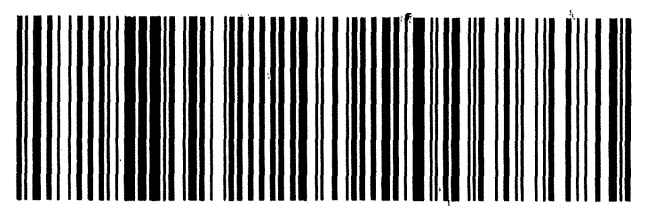
WED - 05 OCT 10:30A

PRIORITY OVERNIGHT

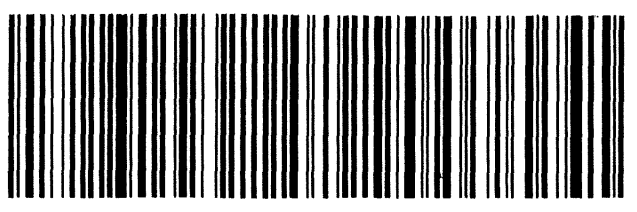
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15238

PA-US PIT



Courier or Driver: Place Astra or barcode label here.



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Part # 156297-495 FRDB2 EXP 07/23

98159/TT185

Part # 156297-495 FRDB2 EXP 07/23

98159/TT185

J223022081201W

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Do not lift using this tag.

Do not lift using this tag.

Recipient's Name <i>Please print.</i>		Phone Number
ORIGIN ID:MOBA (850) 382-7197		SHIP DATE: 04OCT22
TESTAMERICA PITTSBURGH LAB SEE CHEERS 5 BEFORE BILL 301 ALPHA DR PITTSBURGH, PA 15238 UNITED STATES US		ACTWGT: 64.45 LB CAD: 6994563/SSFE2322 DIMS: 25x12x14 IN
TO TEST AMERICA		BILL THIRD PARTY
301 ALPHA DR		
PITTSBURGH PA 15238		
(412) 983-7058	REF:	DEPT:
Uncorrected temp _____ °C		
Thermometer ID _____		
CF <u>0</u>	Initials <u>Mo</u>	
PT-WI-SR-001 effective 11/8/18		

Recipient's Name <i>Please print.</i>		Phone Number
ORIGIN ID:MOBA (850) 382-7197		SHIP DATE: 04OCT22
TESTAMERICA PITTSBURGH LAB SEE CHEERS 5 BEFORE BILL 301 ALPHA DR PITTSBURGH, PA 15238 UNITED STATES US		ACTWGT: 56.95 LB CAD: 6994563/SSFE2322 DIMS: 25x12x14 IN
TO TEST AMERICA		BILL THIRD PARTY
301 ALPHA DR		
PITTSBURGH PA 15238		
(412) 983-7058	REF:	DEPT:
Uncorrected temp _____ °C		
Thermometer ID _____		
CF <u>C</u>	Initials <u>Mo</u>	
PT-WI-SR-001 effective 11/8/18		

4 of 4

MPS# 0263 2787 5270 7687

Mstr# 2787 5270 7654

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15238 PA-US PIT

WED - 05 OCT 10:30A
PRIORITY OVERNIGHT

3 of 4

MPS# 0263 2787 5270 7676

Mstr# 2787 5270 7654

0201

XN AGCA

15238 PA-US PIT

OCT 10:30A
PRIORITY OVERNIGHT

Courier or Driver: Place Astra or barcode label here.

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-145619-1

Login Number: 145619

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	





ANALYTICAL REPORT

PREPARED FOR

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

JOB DESCRIPTION

Plant Daniel GSA CCR

JOB NUMBER

180-145619-2



Table of Contents

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Case Narrative

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

Job ID: 180-145619-2

Job ID: 180-145619-2

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative 180-145619-2

Receipt

The samples were received on 10/5/2022 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 3.5°C, 4.0°C, 4.5°C and 4.8°C

Gas Flow Proportional Counter

Method 9315_Ra226: Radium-226 batch 586439 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-4 (180-145619-4), MW-5 (180-145619-5), MW-6 (180-145619-6), MW-7 (180-145619-7), MW-8 (180-145619-8), MW-9 (180-145619-9), MW-10 (180-145619-10), DUP-01 (180-145619-11), EB-01 (180-145619-12), FB-01 (180-145619-13), (LCS 160-586439/2-A), (MB 160-586439/1-A), (240-174384-D-1-A) and (240-174384-E-1-B DU)

Method 9315_Ra226: Radium-226 batch 586683 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 (180-145619-1), MW-2 (180-145619-2), MW-3 (180-145619-3), (LCS 160-586683/2-A), (MB 160-586683/1-A), (180-146238-A-1-A) and (180-146238-B-1-A DU)

Method 9320_Ra228: Radium-228 batch 586441 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-4 (180-145619-4), MW-5 (180-145619-5), MW-6 (180-145619-6), MW-7 (180-145619-7), MW-8 (180-145619-8), MW-9 (180-145619-9), MW-10 (180-145619-10), DUP-01 (180-145619-11), EB-01 (180-145619-12), FB-01 (180-145619-13), (LCS 160-586441/2-A), (MB 160-586441/1-A), (240-174384-D-1-B) and (240-174384-E-1-C DU)

Method 9320_Ra228: Radium-228 batch 586686 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 (180-145619-1), MW-2 (180-145619-2), MW-3 (180-145619-3), (LCS 160-586686/2-A), (MB 160-586686/1-A), (180-146238-A-1-B) and (180-146238-B-1-B DU)

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: 180-145619-2

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: 180-145619-2

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	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-23
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-23
Iowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22 *
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana (All)	NELAP	04080	06-30-23
Louisiana (DW)	State	LA011	12-31-22
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	04-01-23
North Dakota	State	R-207	06-30-23
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-23
Oregon	NELAP	4157	09-01-23
Pennsylvania	NELAP	68-00540	02-28-23
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	03-11-23
Utah	NELAP	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-24
Washington	State	C592	08-30-23
West Virginia DEP	State	381	12-31-22

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

Sample Summary

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

Job ID: 180-145619-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-145619-1	MW-1	Water	10/03/22 17:54	10/05/22 09:00
180-145619-2	MW-2	Water	10/03/22 14:50	10/05/22 09:00
180-145619-3	MW-3	Water	10/03/22 18:19	10/05/22 09:00
180-145619-4	MW-4	Water	10/04/22 09:52	10/05/22 09:00
180-145619-5	MW-5	Water	10/04/22 11:43	10/05/22 09:00
180-145619-6	MW-6	Water	10/04/22 08:27	10/05/22 09:00
180-145619-7	MW-7	Water	10/03/22 16:20	10/05/22 09:00
180-145619-8	MW-8	Water	10/03/22 11:00	10/05/22 09:00
180-145619-9	MW-9	Water	10/03/22 12:32	10/05/22 09:00
180-145619-10	MW-10	Water	10/03/22 16:08	10/05/22 09:00
180-145619-11	DUP-01	Water	10/03/22 17:19	10/05/22 09:00
180-145619-12	EB-01	Water	10/03/22 17:22	10/05/22 09:00
180-145619-13	FB-01	Water	10/03/22 17:05	10/05/22 09:00

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Method Summary

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

Job ID: 180-145619-2

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: 180-145619-2

Client Sample ID: MW-1

Lab Sample ID: 180-145619-1

Date Collected: 10/03/22 17:54

Matrix: Water

Date Received: 10/05/22 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			997.39 mL	1.0 g	586683	10/21/22 08:00	BMP	EET SL
Total/NA	Analysis	9315		1			590049	11/14/22 12:28	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			997.39 mL	1.0 g	586686	10/21/22 08:36	BMP	EET SL
Total/NA	Analysis	9320		1			589434	11/09/22 13:50	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-2

Lab Sample ID: 180-145619-2

Date Collected: 10/03/22 14:50

Matrix: Water

Date Received: 10/05/22 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			1004.06 mL	1.0 g	586683	10/21/22 08:00	BMP	EET SL
Total/NA	Analysis	9315		1			590049	11/14/22 12:28	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1004.06 mL	1.0 g	586686	10/21/22 08:36	BMP	EET SL
Total/NA	Analysis	9320		1			589434	11/09/22 13:50	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-3

Lab Sample ID: 180-145619-3

Date Collected: 10/03/22 18:19

Matrix: Water

Date Received: 10/05/22 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			999.23 mL	1.0 g	586683	10/21/22 08:00	BMP	EET SL
Total/NA	Analysis	9315		1			590049	11/14/22 12:28	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			999.23 mL	1.0 g	586686	10/21/22 08:36	BMP	EET SL
Total/NA	Analysis	9320		1	1.0 mL	1.0 mL	589434	11/09/22 13:50	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-4

Lab Sample ID: 180-145619-4

Date Collected: 10/04/22 09:52

Matrix: Water

Date Received: 10/05/22 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			1000.0 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:18	FLC	EET SL
Instrument ID: GFPCRED										

Eurofins Pittsburgh

Lab Chronicle

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

Job ID: 180-145619-2

Client Sample ID: MW-4

Lab Sample ID: 180-145619-4

Date Collected: 10/04/22 09:52

Matrix: Water

Date Received: 10/05/22 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			1000.0 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589090	11/07/22 14:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-5

Lab Sample ID: 180-145619-5

Date Collected: 10/04/22 11:43

Matrix: Water

Date Received: 10/05/22 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			1000.0 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:18	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.0 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589090	11/07/22 14:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-6

Lab Sample ID: 180-145619-6

Date Collected: 10/04/22 08:27

Matrix: Water

Date Received: 10/05/22 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			999.9 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:18	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			999.9 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589090	11/07/22 14:54	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-7

Lab Sample ID: 180-145619-7

Date Collected: 10/03/22 16:20

Matrix: Water

Date Received: 10/05/22 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			1000.0 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:18	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.0 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589090	11/07/22 14:54	FLC	EET SL
Instrument ID: GFPCRED										

Eurofins Pittsburgh

Lab Chronicle

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

Job ID: 180-145619-2

Client Sample ID: MW-7
Date Collected: 10/03/22 16:20
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL

Client Sample ID: MW-8
Date Collected: 10/03/22 11:00
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.0 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:19	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.0 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589090	11/07/22 14:57	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:51	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-9
Date Collected: 10/03/22 12:32
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.9 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:20	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			999.9 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589090	11/07/22 14:57	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:53	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: MW-10
Date Collected: 10/03/22 16:08
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.6 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:20	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			999.6 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589091	11/07/22 14:59	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:53	EMH	EET SL
Instrument ID: NOEQUIP										

Lab Chronicle

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

Job ID: 180-145619-2

Client Sample ID: DUP-01
Date Collected: 10/03/22 17:19
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.1 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:20	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.1 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589091	11/07/22 14:59	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:53	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: EB-01
Date Collected: 10/03/22 17:22
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			1000.0 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:20	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			1000.0 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589091	11/07/22 15:00	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:53	EMH	EET SL
Instrument ID: NOEQUIP										

Client Sample ID: FB-01
Date Collected: 10/03/22 17:05
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PrecSep-21			999.7 mL	1.0 g	586439	10/18/22 16:02	ZR	EET SL
Total/NA	Analysis	9315		1			589594	11/10/22 07:20	FLC	EET SL
Instrument ID: GFPCRED										
Total/NA	Prep	PrecSep_0			999.7 mL	1.0 g	586441	10/18/22 16:44	ZR	EET SL
Total/NA	Analysis	9320		1			589091	11/07/22 15:00	FLC	EET SL
Instrument ID: GFPCBLUE										
Total/NA	Analysis	Ra226_Ra228		1			590069	11/14/22 16:53	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

Lab Chronicle

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

Job ID: 180-145619-2

Analyst References:

Lab: EET SL

Batch Type: Prep

BMP = Bailey Pinette

ZR = Zachary Rosenthal

Batch Type: Analysis

EMH = Elizabeth Hoerchler

FLC = Fernando Cruz

- 1
- 2
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Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: MW-1

Lab Sample ID: 180-145619-1

Date Collected: 10/03/22 17:54

Matrix: Water

Date Received: 10/05/22 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	0.291		0.113	0.116	1.00	0.111	pCi/L	10/21/22 08:00	11/14/22 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		40 - 110					10/21/22 08:00	11/14/22 12:28	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	1.52		0.451	0.472	1.00	0.527	pCi/L	10/21/22 08:36	11/09/22 13:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.3		40 - 110					10/21/22 08:36	11/09/22 13:50	1
Y Carrier	89.7		40 - 110					10/21/22 08:36	11/09/22 13:50	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	1.81		0.465	0.486	5.00	0.527	pCi/L		11/14/22 16:51	1

Client Sample ID: MW-2

Lab Sample ID: 180-145619-2

Date Collected: 10/03/22 14:50

Matrix: Water

Date Received: 10/05/22 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	0.249		0.126	0.128	1.00	0.167	pCi/L	10/21/22 08:00	11/14/22 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		40 - 110					10/21/22 08:00	11/14/22 12:28	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	0.965		0.401	0.411	1.00	0.525	pCi/L	10/21/22 08:36	11/09/22 13:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.3		40 - 110					10/21/22 08:36	11/09/22 13:50	1
Y Carrier	88.6		40 - 110					10/21/22 08:36	11/09/22 13:50	1

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Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: MW-2

Lab Sample ID: 180-145619-2

Date Collected: 10/03/22 14:50

Matrix: Water

Date Received: 10/05/22 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	1.21		0.420	0.430	5.00	0.525	pCi/L		11/14/22 16:51	1

Client Sample ID: MW-3

Lab Sample ID: 180-145619-3

Date Collected: 10/03/22 18:19

Matrix: Water

Date Received: 10/05/22 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	0.941		0.180	0.199	1.00	0.0949	pCi/L	10/21/22 08:00	11/14/22 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		40 - 110					10/21/22 08:00	11/14/22 12:28	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	2.27		0.487	0.530	1.00	0.468	pCi/L	10/21/22 08:36	11/09/22 13:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	103		40 - 110					10/21/22 08:36	11/09/22 13:50	1
Y Carrier	90.1		40 - 110					10/21/22 08:36	11/09/22 13:50	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	3.21		0.519	0.566	5.00	0.468	pCi/L		11/14/22 16:51	1

Client Sample ID: MW-4

Lab Sample ID: 180-145619-4

Date Collected: 10/04/22 09:52

Matrix: Water

Date Received: 10/05/22 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	0.175		0.112	0.113	1.00	0.146	pCi/L	10/18/22 16:02	11/10/22 07:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					10/18/22 16:02	11/10/22 07:18	1

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Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: MW-4

Lab Sample ID: 180-145619-4

Date Collected: 10/04/22 09:52

Matrix: Water

Date Received: 10/05/22 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	0.544		0.346	0.349	1.00	0.512	pCi/L	10/18/22 16:44	11/07/22 14:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					10/18/22 16:44	11/07/22 14:54	1
Y Carrier	87.9		40 - 110					10/18/22 16:44	11/07/22 14:54	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	0.719		0.364	0.367	5.00	0.512	pCi/L		11/14/22 16:51	1

Client Sample ID: MW-5

Lab Sample ID: 180-145619-5

Date Collected: 10/04/22 11:43

Matrix: Water

Date Received: 10/05/22 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	0.523		0.168	0.174	1.00	0.150	pCi/L	10/18/22 16:02	11/10/22 07:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		40 - 110					10/18/22 16:02	11/10/22 07:18	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	0.793		0.344	0.351	1.00	0.452	pCi/L	10/18/22 16:44	11/07/22 14:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		40 - 110					10/18/22 16:44	11/07/22 14:54	1
Y Carrier	87.5		40 - 110					10/18/22 16:44	11/07/22 14:54	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	1.32		0.383	0.392	5.00	0.452	pCi/L		11/14/22 16:51	1

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Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: MW-6

Date Collected: 10/04/22 08:27

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-6

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.345		0.147	0.150	1.00	0.159	pCi/L	10/18/22 16:02	11/10/22 07:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					10/18/22 16:02	11/10/22 07:18	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	1.32		0.404	0.422	1.00	0.440	pCi/L	10/18/22 16:44	11/07/22 14:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.9		40 - 110					10/18/22 16:44	11/07/22 14:54	1
Y Carrier	86.7		40 - 110					10/18/22 16:44	11/07/22 14:54	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	1.66		0.430	0.448	5.00	0.440	pCi/L		11/14/22 16:51	1

Client Sample ID: MW-7

Date Collected: 10/03/22 16:20

Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-7

Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	1.83		0.305	0.347	1.00	0.170	pCi/L	10/18/22 16:02	11/10/22 07:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					10/18/22 16:02	11/10/22 07:18	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	2.67		0.562	0.614	1.00	0.548	pCi/L	10/18/22 16:44	11/07/22 14:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		40 - 110					10/18/22 16:44	11/07/22 14:54	1
Y Carrier	86.0		40 - 110					10/18/22 16:44	11/07/22 14:54	1

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Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: MW-7
Date Collected: 10/03/22 16:20
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-7
Matrix: Water

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	4.49		0.639	0.705	5.00	0.548	pCi/L		11/14/22 16:51	1

Client Sample ID: MW-8
Date Collected: 10/03/22 11:00
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-8
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.418		0.147	0.152	1.00	0.136	pCi/L	10/18/22 16:02	11/10/22 07:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		40 - 110					10/18/22 16:02	11/10/22 07:19	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	0.994		0.353	0.365	1.00	0.440	pCi/L	10/18/22 16:44	11/07/22 14:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	106		40 - 110					10/18/22 16:44	11/07/22 14:57	1
Y Carrier	90.8		40 - 110					10/18/22 16:44	11/07/22 14:57	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	1.41		0.382	0.395	5.00	0.440	pCi/L		11/14/22 16:51	1

Client Sample ID: MW-9
Date Collected: 10/03/22 12:32
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-9
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.224		0.121	0.122	1.00	0.143	pCi/L	10/18/22 16:02	11/10/22 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		40 - 110					10/18/22 16:02	11/10/22 07:20	1

Eurofins Pittsburgh

Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: MW-9

Lab Sample ID: 180-145619-9

Date Collected: 10/03/22 12:32

Matrix: Water

Date Received: 10/05/22 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	0.670		0.356	0.362	1.00	0.500	pCi/L	10/18/22 16:44	11/07/22 14:57	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		40 - 110					10/18/22 16:44	11/07/22 14:57	1
Y Carrier	86.0		40 - 110					10/18/22 16:44	11/07/22 14:57	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	0.893		0.376	0.382	5.00	0.500	pCi/L		11/14/22 16:53	1

Client Sample ID: MW-10

Lab Sample ID: 180-145619-10

Date Collected: 10/03/22 16:08

Matrix: Water

Date Received: 10/05/22 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	0.0163	U	0.0787	0.0788	1.00	0.155	pCi/L	10/18/22 16:02	11/10/22 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		40 - 110					10/18/22 16:02	11/10/22 07:20	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	0.135	U	0.283	0.283	1.00	0.492	pCi/L	10/18/22 16:44	11/07/22 14:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.8		40 - 110					10/18/22 16:44	11/07/22 14:59	1
Y Carrier	86.7		40 - 110					10/18/22 16:44	11/07/22 14:59	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	0.151	U	0.294	0.294	5.00	0.492	pCi/L		11/14/22 16:53	1

Eurofins Pittsburgh

Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: DUP-01
Date Collected: 10/03/22 17:19
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-11
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.908		0.212	0.227	1.00	0.127	pCi/L	10/18/22 16:02	11/10/22 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		40 - 110					10/18/22 16:02	11/10/22 07:20	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	2.40		0.523	0.568	1.00	0.527	pCi/L	10/18/22 16:44	11/07/22 14:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		40 - 110					10/18/22 16:44	11/07/22 14:59	1
Y Carrier	86.0		40 - 110					10/18/22 16:44	11/07/22 14:59	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	3.31		0.564	0.612	5.00	0.527	pCi/L		11/14/22 16:53	1

Client Sample ID: EB-01
Date Collected: 10/03/22 17:22
Date Received: 10/05/22 09:00

Lab Sample ID: 180-145619-12
Matrix: Water

Method: SW846 9315 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0697	U	0.0854	0.0856	1.00	0.140	pCi/L	10/18/22 16:02	11/10/22 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		40 - 110					10/18/22 16:02	11/10/22 07:20	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	0.0611	U	0.268	0.268	1.00	0.483	pCi/L	10/18/22 16:44	11/07/22 15:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		40 - 110					10/18/22 16:44	11/07/22 15:00	1
Y Carrier	87.9		40 - 110					10/18/22 16:44	11/07/22 15:00	1

Eurofins Pittsburgh

Client Sample Results

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

Job ID: 180-145619-2

Client Sample ID: EB-01

Lab Sample ID: 180-145619-12

Date Collected: 10/03/22 17:22

Matrix: Water

Date Received: 10/05/22 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	0.131	U	0.281	0.281	5.00	0.483	pCi/L		11/14/22 16:53	1

Client Sample ID: FB-01

Lab Sample ID: 180-145619-13

Date Collected: 10/03/22 17:05

Matrix: Water

Date Received: 10/05/22 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	0.0967	U	0.0973	0.0976	1.00	0.151	pCi/L	10/18/22 16:02	11/10/22 07:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		40 - 110					10/18/22 16:02	11/10/22 07:20	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	0.697		0.358	0.364	1.00	0.501	pCi/L	10/18/22 16:44	11/07/22 15:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		40 - 110					10/18/22 16:44	11/07/22 15:00	1
Y Carrier	86.7		40 - 110					10/18/22 16:44	11/07/22 15:00	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	0.794		0.371	0.377	5.00	0.501	pCi/L		11/14/22 16:53	1

QC Sample Results

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

Job ID: 180-145619-2

Method: 9315 - Radium-226 (GFPC)

Lab Sample ID: MB 160-586439/1-A
Matrix: Water
Analysis Batch: 589594

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586439

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.06272	U	0.0955	0.0956	1.00	0.213	pCi/L	10/18/22 16:02	11/10/22 07:16	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	40 - 110					10/18/22 16:02	11/10/22 07:16	1

Lab Sample ID: LCS 160-586439/2-A
Matrix: Water
Analysis Batch: 589594

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586439

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	%Yield	LCS Qualifier	Added	Result	Uncert. (2σ+/-)					
Radium-226			11.3	9.805	1.10	1.00	0.185	pCi/L	87	75 - 125
Carrier	LCS		Limits							
Ba Carrier	%Yield	LCS Qualifier	40 - 110							

Lab Sample ID: MB 160-586683/1-A
Matrix: Water
Analysis Batch: 590053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586683

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.05939	U	0.0759	0.0761	1.00	0.126	pCi/L	10/21/22 08:00	11/14/22 12:05	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier	40 - 110					10/21/22 08:00	11/14/22 12:05	1

Lab Sample ID: LCS 160-586683/2-A
Matrix: Water
Analysis Batch: 590053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586683

Analyte	LCS		Spike	LCS	Total	RL	MDC	Unit	%Rec	%Rec Limits
	%Yield	LCS Qualifier	Added	Result	Uncert. (2σ+/-)					
Radium-226			11.3	9.472	1.02	1.00	0.161	pCi/L	84	75 - 125
Carrier	LCS		Limits							
Ba Carrier	%Yield	LCS Qualifier	40 - 110							

Method: 9320 - Radium-228 (GFPC)

Lab Sample ID: MB 160-586441/1-A
Matrix: Water
Analysis Batch: 589090

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586441

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	-0.04709	U	0.237	0.237	1.00	0.462	pCi/L	10/18/22 16:44	11/07/22 14:53	1

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QC Sample Results

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

Job ID: 180-145619-2

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

Carrier	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	97.8		40 - 110	10/18/22 16:44	11/07/22 14:53	1
Y Carrier	87.1		40 - 110	10/18/22 16:44	11/07/22 14:53	1

Lab Sample ID: LCS 160-586441/2-A
Matrix: Water
Analysis Batch: 589090

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586441

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

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	101		40 - 110
Y Carrier	85.6		40 - 110

Lab Sample ID: MB 160-586686/1-A
Matrix: Water
Analysis Batch: 589429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586686

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac

Carrier	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Yield	Qualifier				
Ba Carrier	110		40 - 110	10/21/22 08:36	11/09/22 13:52	1
Y Carrier	88.6		40 - 110	10/21/22 08:36	11/09/22 13:52	1

Lab Sample ID: LCS 160-586686/2-A
Matrix: Water
Analysis Batch: 589429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586686

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

Carrier	LCS LCS		Limits
	%Yield	Qualifier	
Ba Carrier	109		40 - 110
Y Carrier	88.6		40 - 110

QC Association Summary

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

Job ID: 180-145619-2

Rad

Prep Batch: 586439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-4	MW-4	Total/NA	Water	PrecSep-21	
180-145619-5	MW-5	Total/NA	Water	PrecSep-21	
180-145619-6	MW-6	Total/NA	Water	PrecSep-21	
180-145619-7	MW-7	Total/NA	Water	PrecSep-21	
180-145619-8	MW-8	Total/NA	Water	PrecSep-21	
180-145619-9	MW-9	Total/NA	Water	PrecSep-21	
180-145619-10	MW-10	Total/NA	Water	PrecSep-21	
180-145619-11	DUP-01	Total/NA	Water	PrecSep-21	
180-145619-12	EB-01	Total/NA	Water	PrecSep-21	
180-145619-13	FB-01	Total/NA	Water	PrecSep-21	
MB 160-586439/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-586439/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 586441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-4	MW-4	Total/NA	Water	PrecSep_0	
180-145619-5	MW-5	Total/NA	Water	PrecSep_0	
180-145619-6	MW-6	Total/NA	Water	PrecSep_0	
180-145619-7	MW-7	Total/NA	Water	PrecSep_0	
180-145619-8	MW-8	Total/NA	Water	PrecSep_0	
180-145619-9	MW-9	Total/NA	Water	PrecSep_0	
180-145619-10	MW-10	Total/NA	Water	PrecSep_0	
180-145619-11	DUP-01	Total/NA	Water	PrecSep_0	
180-145619-12	EB-01	Total/NA	Water	PrecSep_0	
180-145619-13	FB-01	Total/NA	Water	PrecSep_0	
MB 160-586441/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-586441/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	


Prep Batch: 586683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	PrecSep-21	
180-145619-2	MW-2	Total/NA	Water	PrecSep-21	
180-145619-3	MW-3	Total/NA	Water	PrecSep-21	
MB 160-586683/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-586683/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 586686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-145619-1	MW-1	Total/NA	Water	PrecSep_0	
180-145619-2	MW-2	Total/NA	Water	PrecSep_0	
180-145619-3	MW-3	Total/NA	Water	PrecSep_0	
MB 160-586686/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-586686/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

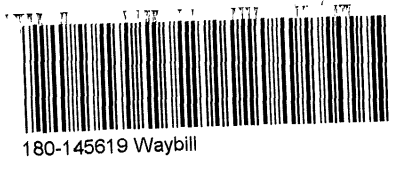
Chain of Custody Record

Client Information		Lab PM		Carrier Tracking No(s)		COC No	
Client Contact: SCS Contacts Company: SCS		Brown, Shali E-Mail: shali.brown@eurofinset.com					
Address 3535 Colonnade Pkwy Bln S 530 EC City: Birmingham State, Zip Alabama		Sampler: Alyssa Trew Hendricks/Braddeck Phone: 850-336-0192				Page: 1 of 2 Job #:	
PO #: 205 992.6283 Email: SCS Contacts Project Name Plant Daniel GSA Site		Due Date Requested: TAT Requested (days): PO #: SCS10382606 WO #: Project #: 18020047 SSOW#:		Analysis Requested		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:	
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewat, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Special Instructions/Note:
MW-1	10-3-22	1754	G	W	ND	X	 <p>180-145619 Chain of Custody</p>
MW-2	10-3-22	1450	G	W	ND	X	
MW-3	10-3-22	1819	G	W	ND	X	
MW-4	10-4-22	0952	G	W	ND	X	
MW-5	10-4-22	1143	G	W	ND	X	
MW-6	10-4-22	0827	G	W	ND	X	
MW-7	10-3-22	1620	G	W	ND	X	
MW-8	10-3-22	1100	G	W	ND	X	
MW-9	10-3-22	1232	G	W	ND	X	
MW-10	10-3-22	1608	G	W	ND	X	
DWP-01	10-3-22	1719	G	W	ND	X	
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							
Deliverable Requested I, II, III, IV, Other (specify)							
Empty Kit Relinquished by							
Relinquished by: <i>Sherry Allen</i>		Date: 10-4-22		Time: 1546		Company: <i>ES&B</i>	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Relinquished by:		Date/Time:		Date/Time:		Company:	
Custody Seals Intact: A Yes Δ No		Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:			



Chain of Custody Record

Client Information Client Contact: <i>Amy Anderson / J. Brown</i> SCS Contacts: <i>Shail Brown</i> Phone: <i>650-336-0192</i> Lab PM: <i>Brown, Shail</i> E-Mail: <i>shail.brown@eurofinset.com</i>			Carrier Tracking No(s) COC No Page: <i>PAGE 2 of 2</i> Job #	
Due Date Requested: TAT Requested (days): PO #: <i>SCS10382606</i> WO #: Project #: <i>18020047</i> Plant: <i>Daniel GSA</i> Site: <i>CCF</i>			Analysis Requested Custom 14 (Appil and IV) + Mercury Chloride Fluoride and Sulfate Total Dissolved Solids Radium 226 Radium 228 + Combined Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>	
Sample Identification EB-01 FB-01			Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anichlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Date: <i>10-3-22</i> Sample Time: <i>1722</i> Matrix: <i>W</i>			Total Number of containers 5	
Sample Date: <i>10-3-22</i> Sample Time: <i>1705</i> Matrix: <i>W</i>			Special Instructions/Note: 5	
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 Deliverable Requested 1, II, III, IV, Other (specify)				
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Relinquished by: <i>Amy Anderson</i> Date/Time: <i>10-4-22 1546</i> Company: <i>Test America</i> Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____				
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:				
Cooler Temperature(s) °C and Other Remarks _____				



180-145619 Waybill

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
---------------------------------------	--------------

ORIGIN ID:MOBA (850) 382-7197 TESTAMERICA PITTSBURGH LAB SEE CHEERS 5 BEFORE BILL 301 ALPHA DR PITTSBURGH, PA 15238 UNITED STATES US	SHIP DATE: 04OCT22 ACTWGT: 57.65 LB CAD: 6994563/SSFE2322 DIMS: 25x12x14 IN BILL THIRD PARTY
---	--

TO **TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7068 REF:
 INU: PO: DEPT:

Do not lift using this tag.

Recipient's Name <i>Please print.</i>	Phone Number
---------------------------------------	--------------

ORIGIN ID:MOBA (850) 382-7197 TESTAMERICA PITTSBURGH LAB SEE CHEERS 5 BEFORE BILL 301 ALPHA DR PITTSBURGH, PA 15238 UNITED STATES US	SHIP DATE: 04OCT22 ACTWGT: 75.65 LB CAD: 6994563/SSFE2322 DIMS: 25x13x14 IN BILL THIRD PARTY
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TO **TEST AMERICA**

301 ALPHA DR

PITTSBURGH PA 15238

(412) 983-7068 REF:
 INU: PO: DEPT:

Uncorrected temp <u>4.5</u> C	FedEx Express E
Thermometer ID <u>20</u>	
CF <u>0</u> Initials <u>mo</u>	
PT-WI-SR-001 effective 11/8/18	

2 of 4
 MPS# 2787 5270 7665
 Mstr# 2787 5270 7654

XN AGCA

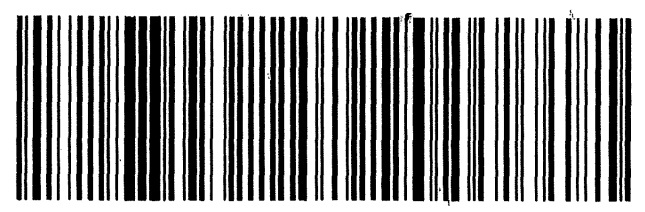
RT 98
 10:30
 A 0A
 7665
 10:05 JT
 AHS
 15238
 PA-US PIT

Uncorrected temp <u>2.5</u> C	FedEx Express E
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CF <u>0</u> Initials <u>mo</u>	
PT-WI-SR-001 effective 11/8/18	

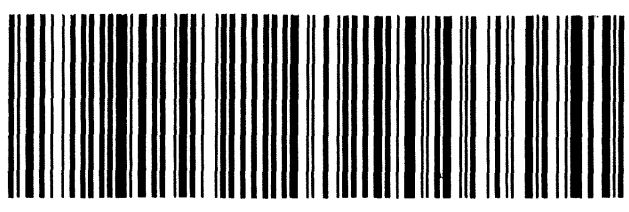
1 of 4
 TRK# 0201 2787 5270 7654
 ## MASTER ##
WED - 05 OCT 10:30A
PRIORITY OVERNIGHT

XN AGCA

15238
 PA-US PIT



Courier or Driver: Place Astra or barcode label here.



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Part # 156297-435 FRDB2 EXP 07/23
 98159/TT185
 98159/TT185

Do not lift using this tag.

Do not lift using this tag.

Recipient's Name *Please print.* Phone Number

Recipient's Name *Please print.* Phone Number
()

ORIGIN ID:MOBA (850) 382-7197
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

Company Dept./Floor/Suite/Room
ORIGIN ID:MOBA (850) 382-7197
TESTAMERICA PITTSBURGH LAB
SEE CHEERS 5 BEFORE BILL
301 ALPHA DR
PITTSBURGH, PA 15238
UNITED STATES US

SHIP DATE: 04OCT22
ACTWGT: 64.45 LB
CAD: 6994563/SSFE2322
DIMS: 25x12x14 IN
BILL THIRD PARTY

SHIP DATE: 04OCT22
ACTWGT: 56.95 LB
CAD: 6994563/SSFE2322
DIMS: 25x12x14 IN
BILL THIRD PARTY

Part # 150297-436 RHD2 EXP 07/23

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301 ALPHA DR
PITTSBURGH PA 15238

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301 ALPHA DR
PITTSBURGH PA 15238

(412) 983-7058 REF: DEPT:

(412) 983-7058 REF: DEPT:

Uncorrected temp Thermometer ID
CF Initials
FedEx Express
PT-WI-SR-001 effective 11/8/18

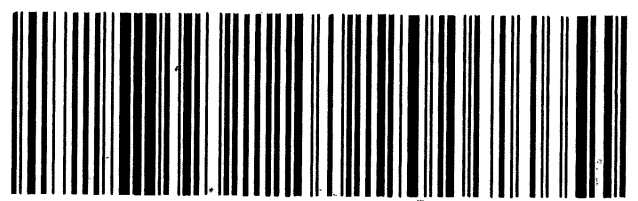
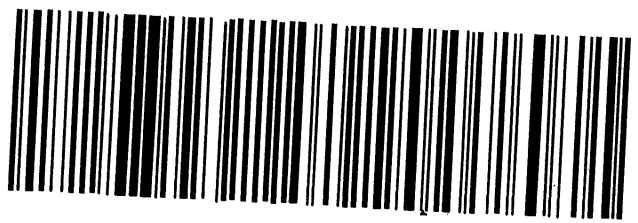
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PT-WI-SR-001 effective 11/8/18

4 of 4
MPS# 0263 2787 5270 7687
Mstr# 2787 5270 7654
WED - 05 OCT 10:30A
PRIORITY OVERNIGHT

3 of 4
MPS# 0263 2787 5270 7676
Mstr# 2787 5270 7654
OCT 10:30A
PRIORITY OVERNIGHT

XN AGCA 15238 PA-US PIT

XN AGCA 15238 PA-US PIT



Courier or Driver: Place Astra or barcode label here.

Chain of Custody Record



Client Information (Sub Contract Lab)		Lab PM Brown, Shali	Carrier Tracking No(s)	COC No 180-471046.1
Client Contact: Shipping/Receiving		E-Mail Shali.Brown@et.eurofins.com	State of Origin Mississippi	Page Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Job # 180-145619-2		
Address 13715 Rider Trail North,		Preservation Codes: 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)		
City Earth City		Analysis Requested		
State, Zip MO, 63045		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:		
Phone 314-298-8566(Tel) 314-298-8757(Fax)		Total Number of Containers		
Email		9320_Ra228/PreSep_0 Standard Target List		
Project Name Plant Daniel GSA CCR		9315_Ra226/PreSep_21 Radium 226		
Site		Ra226Ra228_GFPc		
SSOW#		Perform MS/MSD (Yes or No)		
Project # 18020047		Field Filtered Sample (Yes or No)		
Sample Date		Preservation Code:		
Sample Time		Matrix (W=Water, S=solid, O=water, A=Air)		
Sample Type (C=Comp, G=grab)		Sample Time		
Sample ID (Lab ID)		Sample Date		
MW-1 (180-145619-1)		10/3/22		
MW-2 (180-145619-2)		10/3/22		
MW-3 (180-145619-3)		10/3/22		
MW-4 (180-145619-4)		10/4/22		
MW-5 (180-145619-5)		10/4/22		
MW-6 (180-145619-6)		10/4/22		
MW-7 (180-145619-7)		10/3/22		
MW-8 (180-145619-8)		10/3/22		
MW-9 (180-145619-9)		10/3/22		
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				
Empty Kit Relinquished by:				
Date:				
Relinquished by: MD				
Relinquished by: FEDEX				
Relinquished by:				
Custody Seals Intact: Custody Seal No. Δ Yes Δ No				
Cooler Temperature(s) °C and Other Remarks				
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:				
Received by: FEDEX				
Received by: Suna Woodington				
Received by:				
Date/Time: 10-6-22 1300				
Date/Time: OCT 07 2022 0900				
Date/Time:				
Company: FEDEX				
Company: EHSIL				
Company:				



Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No						
Client Contact:		Brown, Shali	Brown, Shali	State of Origin	180-4710462						
Shipping/Receiving		Phone	E-Mail	Mississippi	Page 2 of 2						
Company:		Shali Brown@et.eurofins.com		Job #	180-145619-2						
Test/America Laboratories, Inc.		Accreditations Required (See note)									
Address:		Due Date Requested:									
13715 Rider Trail North,		10/18/2022									
City:		TAT Requested (days):									
Earth City											
State, Zip:		PO #:									
MO, 63045		WO #:									
Phone:		Project #:									
314-298-8566(Tel) 314-298-8757(Fax)		18020047									
Email:		SSOW#:									
Project Name:		Plant Daniel GSA CCR									
Site:											
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=Trace, AA=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9320_Ra226/PreSep_0 Standard Target List	9315_Ra226/PreSep_21 Radium 226	Ra226Ra228_GFPc	Total Number of containers	Special Instructions/Note:
MW-10 (180-145619-10)	10/3/22	16:08 Central	Water	Water	X	X	X	X	X	2	
DUP-01 (180-145619-11)	10/3/22	17:19 Central	Water	Water	X	X	X	X	X	2	
EB-01 (180-145619-12)	10/3/22	17:22 Central	Water	Water	X	X	X	X	X	1	
EB-01 (180-145619-12)	10/6/22	07:49 Eastern	Water	Water	X	X	X	X	X	1	
FB-01 (180-145619-13)	10/3/22	17:05 Central	Water	Water	X	X	X	X	X	2	
<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 analytes/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>											
Possible Hazard Identification											
Unconfirmed											
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2											
Empty Kit Relinquished by: _____ Date: _____											
Relinquished by: <i>Mo</i> Date: 10-6-22 8:00											
Relinquished by: _____ Date/Time: _____ Company: <i>ERT</i>											
Relinquished by: _____ Date/Time: _____ Company: _____											
Custody Seals Intact: _____ Custody Seal No.: _____											
Cooler Temperature(s) °C and Other Remarks: _____											
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: _____ Received by: _____ Date/Time: _____ Company: _____ Received by: <i>Sara Weathering</i> Date/Time: <i>10/10/2022 09:00</i> Company: <i>ERT</i> Received by: _____ Date/Time: _____ Company: _____											



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-145619-2

Login Number: 145619

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: 180-145619-2

Login Number: 145619

List Source: Eurofins St. Louis

List Number: 2

List Creation: 10/07/22 12:26 PM

Creator: Worthington, Sierra M

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	



Eurofins Pittsburgh

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Pittsburgh and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Pittsburgh Project Manager or designee who has signed this report.

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 {0} Project Manager.

Authorization



Generated
11/15/2022 4:45:25 PM

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

Low-Flow Test Report:

Test Date / Time: 10/3/2022 5:16:01 PM

Project: Daniel GSA CCR MW-1

Operator Name: Trevor Braddock

Location Name: Daniel GSA CCR MW-1 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 43.3 ft Total Depth: 53.3 ft Initial Depth to Water: 22.18 ft	Pump Type: QED Tubing Type: Pe Pump Intake From TOC: 48.3 ft Estimated Total Volume Pumped: 14000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
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Test Notes:

Weather Conditions:

Sunny 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	
10/3/2022 5:16 PM	00:00	5.27 pH	20.38 °C	47.94 µS/cm	6.20 mg/L	1.53 NTU	182.5 mV	22.18 ft	400.00 ml/min
10/3/2022 5:21 PM	05:00	4.95 pH	14.18 °C	47.55 µS/cm	1.65 mg/L	10.50 NTU	185.0 mV	22.24 ft	400.00 ml/min
10/3/2022 5:26 PM	10:00	4.95 pH	13.96 °C	48.11 µS/cm	1.81 mg/L	7.31 NTU	182.5 mV	22.24 ft	400.00 ml/min
10/3/2022 5:31 PM	15:00	4.94 pH	13.84 °C	48.26 µS/cm	1.87 mg/L	3.74 NTU	180.1 mV	22.24 ft	400.00 ml/min
10/3/2022 5:36 PM	20:00	4.94 pH	13.78 °C	48.38 µS/cm	1.96 mg/L	2.59 NTU	177.6 mV	22.24 ft	400.00 ml/min
10/3/2022 5:41 PM	25:00	4.93 pH	13.61 °C	48.56 µS/cm	2.00 mg/L	1.83 NTU	175.6 mV	22.24 ft	400.00 ml/min
10/3/2022 5:46 PM	30:00	4.93 pH	13.52 °C	48.70 µS/cm	2.05 mg/L	1.77 NTU	173.6 mV	22.24 ft	400.00 ml/min
10/3/2022 5:51 PM	35:00	4.92 pH	13.45 °C	48.77 µS/cm	2.10 mg/L	1.48 NTU	172.0 mV	22.24 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-1	Sample time 1754

Low-Flow Test Report:

Test Date / Time: 10/3/2022 1:13:48 PM

Project: Daniel GSA CCR MW-2

Operator Name: Trevor Braddock

Location Name: Daniel GSA CCR MW-2 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 43.2 ft Total Depth: 53.2 ft Initial Depth to Water: 20.92 ft	Pump Type: QED Tubing Type: Pe Pump Intake From TOC: 48.2 ft Estimated Total Volume Pumped: 38000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.09 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
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Test Notes:

Weather Conditions:

Sunny 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	
10/3/2022 1:13 PM	00:00	4.84 pH	16.24 °C	39.49 µS/cm	5.22 mg/L	1.21 NTU	151.3 mV	20.92 ft	400.00 ml/min
10/3/2022 1:18 PM	05:00	4.82 pH	13.58 °C	41.36 µS/cm	5.58 mg/L	1.03 NTU	148.0 mV	21.01 ft	400.00 ml/min
10/3/2022 1:23 PM	10:00	4.79 pH	13.76 °C	41.54 µS/cm	5.16 mg/L	3.27 NTU	146.6 mV	21.01 ft	400.00 ml/min
10/3/2022 1:28 PM	15:00	4.78 pH	13.60 °C	41.78 µS/cm	5.02 mg/L	6.14 NTU	145.5 mV	21.01 ft	400.00 ml/min
10/3/2022 1:33 PM	20:00	4.76 pH	13.41 °C	42.06 µS/cm	4.93 mg/L	8.31 NTU	145.0 mV	21.01 ft	400.00 ml/min
10/3/2022 1:38 PM	25:00	4.75 pH	13.38 °C	42.33 µS/cm	4.82 mg/L	8.57 NTU	144.2 mV	21.01 ft	400.00 ml/min
10/3/2022 1:43 PM	30:00	4.75 pH	13.34 °C	42.32 µS/cm	4.79 mg/L	9.02 NTU	143.9 mV	21.01 ft	400.00 ml/min
10/3/2022 1:48 PM	35:00	4.75 pH	13.38 °C	42.38 µS/cm	4.72 mg/L	6.94 NTU	142.6 mV	21.01 ft	400.00 ml/min
10/3/2022 1:53 PM	40:00	4.75 pH	13.25 °C	42.49 µS/cm	4.71 mg/L	6.95 NTU	143.7 mV	21.01 ft	400.00 ml/min
10/3/2022 1:58 PM	45:00	4.75 pH	13.41 °C	42.30 µS/cm	4.65 mg/L	6.23 NTU	142.0 mV	21.01 ft	400.00 ml/min
10/3/2022 2:03 PM	50:00	4.74 pH	13.32 °C	42.34 µS/cm	4.66 mg/L	4.73 NTU	142.0 mV	21.01 ft	400.00 ml/min
10/3/2022 2:08 PM	55:00	4.74 pH	13.33 °C	42.25 µS/cm	4.64 mg/L	4.96 NTU	141.4 mV	21.01 ft	400.00 ml/min
10/3/2022 2:13 PM	01:00:00	4.74 pH	13.24 °C	42.21 µS/cm	4.64 mg/L	4.23 NTU	141.0 mV	21.01 ft	400.00 ml/min

10/3/2022 2:18 PM	01:05:00	4.75 pH	13.24 °C	42.27 µS/cm	4.66 mg/L	3.49 NTU	140.6 mV	21.01 ft	400.00 ml/min
10/3/2022 2:23 PM	01:10:00	4.74 pH	13.14 °C	42.38 µS/cm	4.67 mg/L	2.95 NTU	141.9 mV	21.01 ft	400.00 ml/min
10/3/2022 2:28 PM	01:15:00	4.74 pH	13.37 °C	42.10 µS/cm	4.62 mg/L	2.92 NTU	140.7 mV	21.01 ft	400.00 ml/min
10/3/2022 2:33 PM	01:20:00	4.75 pH	13.42 °C	41.94 µS/cm	4.63 mg/L	2.53 NTU	140.0 mV	21.01 ft	400.00 ml/min
10/3/2022 2:38 PM	01:25:00	4.74 pH	13.38 °C	41.88 µS/cm	4.63 mg/L	2.17 NTU	140.3 mV	21.01 ft	400.00 ml/min
10/3/2022 2:43 PM	01:30:00	4.75 pH	13.43 °C	41.85 µS/cm	4.62 mg/L	2.02 NTU	139.8 mV	21.01 ft	400.00 ml/min
10/3/2022 2:48 PM	01:35:00	4.75 pH	13.41 °C	41.82 µS/cm	4.61 mg/L	1.93 NTU	139.5 mV	21.01 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-2	Sample time 1450

Low-Flow Test Report:

Test Date / Time: 10/3/2022 5:57:30 PM

Project: Daniel GSA CCR MW-3

Operator Name: Rick Hagendorfer

Location Name: Daniel GSA CCR MW-3 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.25 ft Total Depth: 54.25 ft Initial Depth to Water: 24.84 ft	Pump Type: BP Tubing Type: PE Pump Intake From TOC: 49.25 ft Estimated Total Volume Pumped: 8000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.11 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
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Test Notes:

Weather Conditions:

Sunny 78

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	+/- 10	+/- 0.3	
10/3/2022 5:57 PM	00:00	4.40 pH	23.01 °C	80.17 µS/cm	3.67 mg/L		196.5 mV	24.84 ft	400.00 ml/min
10/3/2022 6:02 PM	05:00	4.39 pH	22.92 °C	81.18 µS/cm	3.56 mg/L	2.08 NTU	206.3 mV	24.95 ft	400.00 ml/min
10/3/2022 6:07 PM	10:00	4.39 pH	22.84 °C	80.76 µS/cm	3.48 mg/L	1.38 NTU	193.3 mV	24.95 ft	400.00 ml/min
10/3/2022 6:12 PM	15:00	4.38 pH	22.80 °C	80.42 µS/cm	3.45 mg/L	0.74 NTU	203.2 mV	24.95 ft	400.00 ml/min
10/3/2022 6:17 PM	20:00	4.38 pH	22.72 °C	79.89 µS/cm	3.42 mg/L	0.51 NTU	201.9 mV	24.95 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-3	Sample time 1819. Dup-01 fake sample time 1719. FB-01 sample time 1705. EB-01 sample time 1722.

Low-Flow Test Report:

Test Date / Time: 10/4/2022 9:09:44 AM

Project: Daniel GSA CCR MW-4

Operator Name: Rick Hagendorfer

Location Name: Daniel GSA CCR MW-4 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 m Top of Screen: 41.8 m Total Depth: 51.8 ft Initial Depth to Water: 24.22 ft	Pump Type: BP Tubing Type: PE Pump Intake From TOC: 46.8 ft Estimated Total Volume Pumped: 16000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
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Test Notes:

Weather Conditions:

Sunny 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	+/- 10	+/- 0.3	
10/4/2022 9:09 AM	00:00	5.37 pH	23.16 °C	34.06 µS/cm	8.53 mg/L		130.5 mV	24.22 ft	400.00 ml/min
10/4/2022 9:14 AM	05:00	4.73 pH	20.80 °C	35.79 µS/cm	2.70 mg/L	5.24 NTU	128.1 mV	24.30 ft	400.00 ml/min
10/4/2022 9:19 AM	10:00	4.77 pH	21.24 °C	36.15 µS/cm	3.57 mg/L	6.59 NTU	129.7 mV	24.30 ft	400.00 ml/min
10/4/2022 9:24 AM	15:00	4.77 pH	21.06 °C	35.35 µS/cm	3.10 mg/L	6.88 NTU	130.3 mV	24.30 ft	400.00 ml/min
10/4/2022 9:29 AM	20:00	4.76 pH	21.06 °C	35.00 µS/cm	3.18 mg/L	6.18 NTU	128.0 mV	24.30 ft	400.00 ml/min
10/4/2022 9:34 AM	25:00	4.76 pH	21.14 °C	35.30 µS/cm	3.21 mg/L	4.32 NTU	131.3 mV	24.30 ft	400.00 ml/min
10/4/2022 9:39 AM	30:00	4.77 pH	21.19 °C	35.26 µS/cm	3.23 mg/L	3.44 NTU	128.8 mV	24.30 ft	400.00 ml/min
10/4/2022 9:44 AM	35:00	4.76 pH	21.19 °C	35.24 µS/cm	3.23 mg/L	2.32 NTU	136.2 mV	24.30 ft	400.00 ml/min
10/4/2022 9:49 AM	40:00	4.76 pH	21.19 °C	35.13 µS/cm	3.22 mg/L	1.90 NTU	133.7 mV	24.30 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-4	Sample time 0952.

Low-Flow Test Report:

Test Date / Time: 10/4/2022 10:55:24 AM

Project: Daniel GSA CCR MW-5

Operator Name: Rick Hagendorfer

Location Name: Daniel GSA CCR MW-5 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: 23.49 ft	Pump Type: BP Tubing Type: PE Pump Intake From TOC: 51.3 ft Estimated Total Volume Pumped: 18000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
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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	+/- 10	+/- 0.3	
10/4/2022 10:55 AM	00:00	4.87 pH	23.88 °C	44.28 µS/cm	1.65 mg/L		154.2 mV	23.49 ft	400.00 ml/min
10/4/2022 11:00 AM	05:00	4.84 pH	22.70 °C	46.02 µS/cm	1.56 mg/L	1.72 NTU	157.7 mV	23.55 ft	400.00 ml/min
10/4/2022 11:05 AM	10:00	4.85 pH	22.53 °C	46.52 µS/cm	1.39 mg/L	2.93 NTU	156.9 mV	23.55 ft	400.00 ml/min
10/4/2022 11:10 AM	15:00	4.85 pH	22.89 °C	46.88 µS/cm	1.28 mg/L	1.81 NTU	156.2 mV	23.55 ft	400.00 ml/min
10/4/2022 11:15 AM	20:00	4.85 pH	22.57 °C	47.05 µS/cm	1.21 mg/L	1.38 NTU	155.9 mV	23.55 ft	400.00 ml/min
10/4/2022 11:20 AM	25:00	4.85 pH	23.20 °C	47.34 µS/cm	1.17 mg/L	1.21 NTU	150.1 mV	23.55 ft	400.00 ml/min
10/4/2022 11:25 AM	30:00	4.85 pH	23.18 °C	47.10 µS/cm	1.15 mg/L	1.10 NTU	154.1 mV	23.55 ft	400.00 ml/min
10/4/2022 11:30 AM	35:00	4.86 pH	22.90 °C	47.11 µS/cm	1.14 mg/L	0.89 NTU	148.3 mV	23.55 ft	400.00 ml/min
10/4/2022 11:35 AM	40:00	4.86 pH	22.97 °C	46.92 µS/cm	1.12 mg/L	0.82 NTU	152.1 mV	23.55 ft	400.00 ml/min
10/4/2022 11:40 AM	45:00	4.84 pH	22.94 °C	46.93 µS/cm	1.15 mg/L	0.72 NTU	147.6 mV	23.55 ft	400.00 ml/min

Samples

Sample ID:	Description:
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MW-5

Sample time 1143.

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/4/2022 7:57:23 AM

Project: Daniel GSA CCR MW-6

Operator Name: Rick Hagendorfer

Location Name: Daniel GSA CCR MW-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 46 ft Total Depth: 56 ft Initial Depth to Water: 23.78 ft	Pump Type: BP Tubing Type: PE Pump Intake From TOC: 51 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.07 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
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Test Notes:

Weather Conditions:

Sunny 63

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	+/- 10	+/- 0.3	
10/4/2022 7:57 AM	00:00	4.71 pH	19.98 °C	49.31 µS/cm	1.57 mg/L		98.2 mV	23.78 ft	400.00 ml/min
10/4/2022 8:02 AM	05:00	4.60 pH	20.03 °C	45.02 µS/cm	0.71 mg/L	4.10 NTU	104.1 mV	23.85 ft	400.00 ml/min
10/4/2022 8:07 AM	10:00	4.60 pH	20.12 °C	43.42 µS/cm	0.40 mg/L	3.15 NTU	103.9 mV	23.85 ft	400.00 ml/min
10/4/2022 8:12 AM	15:00	4.62 pH	20.21 °C	43.26 µS/cm	0.35 mg/L	2.77 NTU	106.1 mV	23.85 ft	400.00 ml/min
10/4/2022 8:17 AM	20:00	4.62 pH	20.33 °C	43.11 µS/cm	0.34 mg/L	3.17 NTU	106.4 mV	23.85 ft	400.00 ml/min
10/4/2022 8:22 AM	25:00	4.62 pH	20.40 °C	42.64 µS/cm	0.33 mg/L	2.24 NTU	107.7 mV	23.85 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-6	Sample time 0827

Low-Flow Test Report:

Test Date / Time: 10/3/2022 2:57:26 PM

Project: Daniel GSA CCR MW-7

Operator Name: Rick Hagendorfer

Location Name: Daniel GSA CCR MW-7 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.5 ft Total Depth: 54.5 ft Initial Depth to Water: 21.96 ft	Pump Type: BP Tubing Type: PE Pump Intake From TOC: 49.5 ft Estimated Total Volume Pumped: 32000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 852546
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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	+/- 10	+/- 0.3	
10/3/2022 2:57 PM	00:00	4.33 pH	26.15 °C	81.18 µS/cm	6.72 mg/L		139.6 mV	21.96 ft	400.00 ml/min
10/3/2022 3:02 PM	05:00	4.34 pH	24.73 °C	77.63 µS/cm	6.75 mg/L	2.29 NTU	151.1 mV	21.99 ft	400.00 ml/min
10/3/2022 3:07 PM	10:00	4.34 pH	24.60 °C	76.26 µS/cm	6.90 mg/L	2.21 NTU	157.2 mV	21.99 ft	400.00 ml/min
10/3/2022 3:12 PM	15:00	4.36 pH	24.53 °C	78.42 µS/cm	6.89 mg/L	2.04 NTU	154.7 mV	21.99 ft	400.00 ml/min
10/3/2022 3:17 PM	20:00	4.36 pH	24.53 °C	79.55 µS/cm	6.95 mg/L	2.73 NTU	163.5 mV	21.99 ft	400.00 ml/min
10/3/2022 3:22 PM	25:00	4.37 pH	23.89 °C	81.65 µS/cm	6.97 mg/L	2.93 NTU	166.7 mV	21.99 ft	400.00 ml/min
10/3/2022 3:27 PM	30:00	4.36 pH	24.30 °C	83.00 µS/cm	6.91 mg/L	2.32 NTU	169.0 mV	21.99 ft	400.00 ml/min
10/3/2022 3:32 PM	35:00	4.37 pH	24.54 °C	82.63 µS/cm	6.94 mg/L	1.98 NTU	171.1 mV	21.99 ft	400.00 ml/min
10/3/2022 3:37 PM	40:00	4.38 pH	24.11 °C	82.20 µS/cm	6.83 mg/L	1.63 NTU	172.9 mV	21.99 ft	400.00 ml/min
10/3/2022 3:42 PM	45:00	4.38 pH	24.42 °C	82.87 µS/cm	6.90 mg/L	1.58 NTU	174.6 mV	21.99 ft	400.00 ml/min
10/3/2022 3:47 PM	50:00	4.38 pH	24.06 °C	81.79 µS/cm	6.93 mg/L	1.38 NTU	176.3 mV	21.99 ft	400.00 ml/min
10/3/2022 3:52 PM	55:00	4.38 pH	24.28 °C	82.63 µS/cm	6.99 mg/L	1.15 NTU	168.7 mV	21.99 ft	400.00 ml/min
10/3/2022 3:57 PM	01:00:00	4.38 pH	23.52 °C	80.83 µS/cm	6.97 mg/L	1.25 NTU	178.6 mV	21.99 ft	400.00 ml/min

10/3/2022 4:02 PM	01:05:00	4.38 pH	22.94 °C	81.43 µS/cm	6.94 mg/L	0.84 NTU	179.9 mV	21.99 ft	400.00 ml/min
10/3/2022 4:07 PM	01:10:00	4.37 pH	23.57 °C	81.54 µS/cm	7.08 mg/L	0.72 NTU	181.4 mV	21.99 ft	400.00 ml/min
10/3/2022 4:12 PM	01:15:00	4.37 pH	23.73 °C	81.49 µS/cm	7.07 mg/L	0.70 NTU	182.2 mV	21.99 ft	400.00 ml/min
10/3/2022 4:17 PM	01:20:00	4.37 pH	23.68 °C	80.51 µS/cm	7.04 mg/L	0.69 NTU	173.7 mV	21.99 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-7	Sample time 1620.

Low-Flow Test Report:

Test Date / Time: 10/3/2022 10:38:39 AM

Project: Daniel GSA CCR MW-8

Operator Name: Trevor Braddock

Location Name: Daniel GSA CCR MW-8 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 45.8 ft Total Depth: 55.8 ft Initial Depth to Water: 21.89 ft	Pump Type: BP Tubing Type: Pe Pump Intake From TOC: 50.8 ft Estimated Total Volume Pumped: 8000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
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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	
10/3/2022 10:38 AM	00:00	4.80 pH	14.05 °C	39.43 µS/cm	4.68 mg/L	1.72 NTU	113.4 mV	21.89 ft	400.00 ml/min
10/3/2022 10:43 AM	05:00	4.80 pH	13.40 °C	39.93 µS/cm	4.71 mg/L	1.07 NTU	115.8 mV	21.89 ft	400.00 ml/min
10/3/2022 10:48 AM	10:00	4.81 pH	13.51 °C	39.71 µS/cm	4.62 mg/L	1.18 NTU	116.2 mV	21.89 ft	400.00 ml/min
10/3/2022 10:53 AM	15:00	4.81 pH	13.45 °C	39.68 µS/cm	4.60 mg/L	0.81 NTU	117.5 mV	21.89 ft	400.00 ml/min
10/3/2022 10:58 AM	20:00	4.82 pH	13.46 °C	39.65 µS/cm	4.56 mg/L	0.72 NTU	117.4 mV	21.89 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-8	Sample time 1100

Low-Flow Test Report:

Test Date / Time: 10/3/2022 11:55:42 AM

Project: Daniel GSA CCR MW-9

Operator Name: Trevor Braddock

Location Name: Daniel GSA CCR MW-9 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46.3 ft Total Depth: 56.3 ft Initial Depth to Water: 21.13 ft	Pump Type: BP Tubing Type: Pe Pump Intake From TOC: 51.3 ft Estimated Total Volume Pumped: 14000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.07 ft	Instrument Used: Aqua TROLL 400 Serial Number: 736137
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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	
10/3/2022 11:55 AM	00:00	5.53 pH	17.69 °C	37.09 µS/cm	7.33 mg/L	1.06 NTU	149.0 mV	21.13 ft	400.00 ml/min
10/3/2022 12:00 PM	05:00	4.99 pH	13.49 °C	37.00 µS/cm	5.76 mg/L	0.71 NTU	146.6 mV	21.20 ft	400.00 ml/min
10/3/2022 12:05 PM	10:00	4.98 pH	13.54 °C	36.46 µS/cm	5.89 mg/L	0.53 NTU	145.3 mV	21.20 ft	400.00 ml/min
10/3/2022 12:10 PM	15:00	4.97 pH	13.44 °C	36.32 µS/cm	6.00 mg/L	0.50 NTU	143.2 mV	21.20 ft	400.00 ml/min
10/3/2022 12:15 PM	20:00	4.94 pH	13.37 °C	36.06 µS/cm	6.15 mg/L	0.63 NTU	150.6 mV	21.20 ft	400.00 ml/min
10/3/2022 12:20 PM	25:00	4.97 pH	13.19 °C	36.40 µS/cm	6.22 mg/L	0.59 NTU	148.6 mV	21.20 ft	400.00 ml/min
10/3/2022 12:25 PM	30:00	4.95 pH	13.15 °C	36.57 µS/cm	6.23 mg/L	0.62 NTU	147.0 mV	21.20 ft	400.00 ml/min
10/3/2022 12:30 PM	35:00	4.95 pH	13.12 °C	36.57 µS/cm	6.23 mg/L	0.57 NTU	146.2 mV	21.20 ft	400.00 ml/min

Samples

Sample ID:	Description:
MW-9	Sample time 1232

Low-Flow Test Report:

Test Date / Time: 10/3/2022 3:41:06 PM

Project: Daniel GSA CCR MW-10

Operator Name: Trevor Braddock

Location Name: Daniel GSA CCR MW-10 Well Diameter: 2 in Screen Length: 10 ft Top of Screen: 46.4 ft Total Depth: 56.4 ft Initial Depth to Water: 21.66 ft	Pump Type: QED 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	Instrument Used: Aqua TROLL 400 Serial Number: 736137
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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	
10/3/2022 3:41 PM	00:00	5.18 pH	18.31 °C	33.54 µS/cm	6.58 mg/L	2.22 NTU	167.9 mV	21.66 ft	400.00 ml/min
10/3/2022 3:46 PM	05:00	5.12 pH	14.29 °C	32.54 µS/cm	7.58 mg/L	3.13 NTU	166.6 mV	21.72 ft	400.00 ml/min
10/3/2022 3:51 PM	10:00	5.14 pH	14.19 °C	33.09 µS/cm	7.68 mg/L	4.22 NTU	164.6 mV	21.72 ft	400.00 ml/min
10/3/2022 3:56 PM	15:00	5.14 pH	14.21 °C	33.31 µS/cm	7.69 mg/L	1.91 NTU	163.2 mV	21.72 ft	400.00 ml/min
10/3/2022 4:01 PM	20:00	5.13 pH	14.05 °C	33.48 µS/cm	7.74 mg/L	1.12 NTU	162.0 mV	21.72 ft	400.00 ml/min
10/3/2022 4:06 PM	25:00	5.13 pH	14.04 °C	33.58 µS/cm	7.79 mg/L	0.97 NTU	161.1 mV	21.72 ft	400.00 ml/min

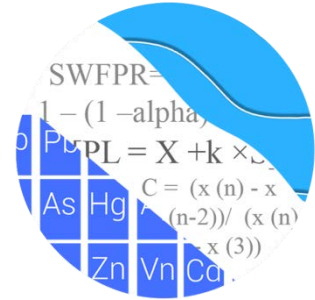
Samples

Sample ID:	Description:
MW-10	Sample time 1608

Appendix B

1st
Semi-Annual
Monitoring Event

GROUNDWATER STATS CONSULTING



May 17, 2022

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

Re: Plant Daniel Gypsum Storage Area (GSA)
2022 Annual Background Update & Statistical Analysis – March 2022 Sample Event

Dear Mr. Singleton,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and statistical analysis of groundwater data for the 2022 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 to 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. In the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group. Note that varying reporting limits are present in historical data for sulfate across all wells.

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 in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

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 screening performed in 2019.

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not 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 Update – 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.

Summary of Background Update – Appendix III Parameters – 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 (Figure C). 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 during this analysis. 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 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 – March 2022

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample strategy, were established for each of the Appendix III parameters at each well using historical data through October 2021, except for cases mentioned above, to evaluate the March 2022 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. Exceedances were identified for the following well/constituent pairs:

- Calcium: MW-3 and MW-7
- pH: MW-2 (upgradient)
- TDS: 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 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

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 – March 2022

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 parametric confidence intervals, although it will also reduce the mean and thus lower the entire interval. 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.

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 (Figure C).

Interwell Upper Tolerance Limits

Parametric upper tolerance limits were used to calculate background limits from pooled upgradient well data through March 2022 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 March 2022 for each of the Appendix IV parameters and compared to the GWPS, i.e., the highest limit of the MCL, CCR Rule-Specified level, or background limit as discussed above. 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

100% Non-Detects: Appendix IV Downgradient

Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Antimony (mg/L)

MW-3, MW-4, 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-6, 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

Date Ranges

Date: 5/17/2022 9:08 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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

Welch's t-test/Mann-Whitney - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:49 PM

<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium (mg/L)	MW-1 (bg)	-3.26	Yes	Mann-W
Calcium (mg/L)	MW-3	3.595	Yes	Mann-W
Chloride (mg/L)	MW-1 (bg)	-3.001	Yes	Mann-W
Chloride (mg/L)	MW-2 (bg)	2.891	Yes	Mann-W
Chloride (mg/L)	MW-7	-2.703	Yes	Mann-W
Chloride (mg/L)	MW-9	2.668	Yes	Mann-W
Fluoride (mg/L)	MW-3	2.722	Yes	Mann-W
Sulfate (mg/L)	MW-3	4.669	Yes	Mann-W
Sulfate (mg/L)	MW-4	-3.294	Yes	Mann-W
Total Dissolved Solids (mg/L)	MW-3	3.014	Yes	Mann-W

Welch's t-test/Mann-Whitney - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:49 PM

Constituent	Well	Calc.	0.01	Method
Boron (mg/L)	MW-1 (bg)	-0.3405	No	Mann-W
Boron (mg/L)	MW-10 (bg)	1.142	No	Mann-W
Boron (mg/L)	MW-2 (bg)	-1.787	No	Mann-W
Boron (mg/L)	MW-3	2.231	No	Mann-W
Boron (mg/L)	MW-7	-0.9025	No	Mann-W
Boron (mg/L)	MW-8	0.416	No	Mann-W
Boron (mg/L)	MW-9	0.7075	No	Mann-W
Calcium (mg/L)	MW-1 (bg)	-3.26	Yes	Mann-W
Calcium (mg/L)	MW-10 (bg)	1.531	No	Mann-W
Calcium (mg/L)	MW-2 (bg)	2.177	No	Mann-W
Calcium (mg/L)	MW-3	3.595	Yes	Mann-W
Calcium (mg/L)	MW-4	-0.09867	No	Mann-W
Calcium (mg/L)	MW-5	-1.88	No	Mann-W
Calcium (mg/L)	MW-6	0.6998	No	Mann-W
Calcium (mg/L)	MW-7	-1.998	No	Mann-W
Calcium (mg/L)	MW-8	1.01	No	Mann-W
Calcium (mg/L)	MW-9	1.066	No	Mann-W
Chloride (mg/L)	MW-1 (bg)	-3.001	Yes	Mann-W
Chloride (mg/L)	MW-10 (bg)	2.211	No	Mann-W
Chloride (mg/L)	MW-2 (bg)	2.891	Yes	Mann-W
Chloride (mg/L)	MW-3	-1.409	No	Mann-W
Chloride (mg/L)	MW-4	-1.076	No	Mann-W
Chloride (mg/L)	MW-5	-2.549	No	Mann-W
Chloride (mg/L)	MW-6	2.211	No	Mann-W
Chloride (mg/L)	MW-7	-2.703	Yes	Mann-W
Chloride (mg/L)	MW-8	-1.543	No	Mann-W
Chloride (mg/L)	MW-9	2.668	Yes	Mann-W
Fluoride (mg/L)	MW-1 (bg)	1.522	No	Mann-W
Fluoride (mg/L)	MW-10 (bg)	0.4961	No	Mann-W
Fluoride (mg/L)	MW-2 (bg)	-0.722	No	Mann-W
Fluoride (mg/L)	MW-3	2.722	Yes	Mann-W
Fluoride (mg/L)	MW-6	-0.9025	No	Mann-W
Fluoride (mg/L)	MW-7	-1.126	No	Mann-W
Fluoride (mg/L)	MW-8	-0.722	No	Mann-W
Fluoride (mg/L)	MW-9	0.4961	No	Mann-W
pH (SU)	MW-1 (bg)	-2.344	No	Mann-W
pH (SU)	MW-10 (bg)	-0.7404	No	Mann-W
pH (SU)	MW-2 (bg)	-1.312	No	Mann-W
pH (SU)	MW-3	-0.438	No	Mann-W
pH (SU)	MW-4	0.2817	No	Mann-W
pH (SU)	MW-5	1.116	No	Mann-W
pH (SU)	MW-6	1.235	No	Mann-W
pH (SU)	MW-7	0.5427	No	Mann-W
pH (SU)	MW-8	1.266	No	Mann-W
pH (SU)	MW-9	-0.9893	No	Mann-W
Sulfate (mg/L)	MW-1 (bg)	0.741	No	Mann-W
Sulfate (mg/L)	MW-10 (bg)	-0.9835	No	Mann-W
Sulfate (mg/L)	MW-2 (bg)	-1.208	No	Mann-W
Sulfate (mg/L)	MW-3	4.669	Yes	Mann-W
Sulfate (mg/L)	MW-4	-3.294	Yes	Mann-W
Sulfate (mg/L)	MW-5	-1.165	No	Mann-W
Sulfate (mg/L)	MW-6	-2.494	No	Mann-W
Sulfate (mg/L)	MW-7	-0.1011	No	Mann-W
Sulfate (mg/L)	MW-8	0.7025	No	Mann-W
Sulfate (mg/L)	MW-9	0.9979	No	Mann-W
Total Dissolved Solids (mg/L)	MW-1 (bg)	-1.416	No	Mann-W
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.2273	No	Mann-W
Total Dissolved Solids (mg/L)	MW-2 (bg)	1.419	No	Mann-W
Total Dissolved Solids (mg/L)	MW-3	3.014	Yes	Mann-W
Total Dissolved Solids (mg/L)	MW-4	-0.3418	No	Mann-W
Total Dissolved Solids (mg/L)	MW-5	-1.537	No	Mann-W
Total Dissolved Solids (mg/L)	MW-6	0.7382	No	Mann-W
Total Dissolved Solids (mg/L)	MW-7	-0.4537	No	Mann-W
Total Dissolved Solids (mg/L)	MW-8	0.05682	No	Mann-W
Total Dissolved Solids (mg/L)	MW-9	0.5102	No	Mann-W

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/17/2022, 9:15 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	3/14/2022	2.87	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	3/15/2022	3.45	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
pH (SU)	MW-2	5.68	4.79	3/14/2022	4.62	Yes	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-9	54.68	n/a	3/14/2022	56	Yes	17	30.44	10.85	5.882	None	No	0.001075	Param Intra 1 of 2

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/17/2022, 9:15 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	3/14/2022	0.08ND	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	3/14/2022	0.08ND	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	3/14/2022	0.08ND	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	3/14/2022	0.08ND	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	3/14/2022	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-5	0.08	n/a	3/15/2022	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	3/15/2022	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	3/15/2022	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	3/14/2022	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	3/14/2022	0.08ND	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	3/14/2022	2.65	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	3/14/2022	0.857	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	3/14/2022	0.982	No	19	0.932	0.1632	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	3/14/2022	2.87	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.387	n/a	3/14/2022	0.873	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	3/15/2022	1.7	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	3/15/2022	1.22	No	18	1.219	0.1643	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	3/15/2022	3.45	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.587	n/a	3/14/2022	2.46	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	3/14/2022	0.609	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	3/14/2022	3.24	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	3/14/2022	7.95	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	3/14/2022	9.54	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	3/14/2022	10.4	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	3/14/2022	5.55	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	3/15/2022	3.61	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	3/15/2022	9.56	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	3/15/2022	12.8	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	3/14/2022	8.31	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	3/14/2022	4.03	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	3/14/2022	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	3/14/2022	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	3/14/2022	0.0271J	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	3/14/2022	0.0643J	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	3/14/2022	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	3/15/2022	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	3/15/2022	0.0268J	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	3/15/2022	0.0609J	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	3/14/2022	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	3/14/2022	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	3/14/2022	4.65	No	27	5.088	0.3167	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	3/14/2022	4.88	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	3/14/2022	4.62	Yes	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	3/14/2022	4.47	No	27	4.495	0.1441	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.101	4.653	3/14/2022	4.84	No	27	4.877	0.1084	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.555	3/15/2022	4.92	No	18	4.819	0.1199	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	3/15/2022	4.64	No	18	4.666	0.07694	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	3/15/2022	4.24	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	3/14/2022	4.65	No	17	4.665	0.1398	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	3/14/2022	4.76	No	18	4.904	0.06661	0	None	No	0.0005373	Param Intra 1 of 2

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/17/2022, 9:15 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	12.38	n/a	3/14/2022	9.59	No	16	8.841	1.565	6.25	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	3/14/2022	1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	3/14/2022	0.861J	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	3/14/2022	2.2	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	3/14/2022	2.04	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	3/15/2022	5.54	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-6	5.186	n/a	3/15/2022	0.791J	No	17	1.529	0.3348	11.76	None	sqrt(x)	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1.57	n/a	3/15/2022	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	3/14/2022	3.09	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	3/14/2022	1.58	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	3/14/2022	38	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	3/14/2022	26	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	3/14/2022	29	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	3/14/2022	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	3/14/2022	16	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	3/15/2022	12	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	3/15/2022	24	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	3/15/2022	54	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	3/14/2022	23	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	3/14/2022	56	Yes	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 5/10/2022, 3:50 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5744	-132	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.05067	89	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	1.09	116	81	Yes	20	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:50 PM

<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>
Calcium (mg/L)	MW-1 (bg)	-0.5744	-132	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-10 (bg)	0.03229	19	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.05067	89	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	1.09	116	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-7	-0.1457	-60	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-1 (bg)	-5.947	-61	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.5868	15	68	No	18	5.556	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-2 (bg)	1.573	42	68	No	18	11.11	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-9	1.496	35	68	No	18	5.556	n/a	n/a	0.01	NP

Upper Tolerance Limit Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:51 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower 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)	n/a	0.002	n/a	n/a	n/a	n/a	39	n/a	n/a	97.44	n/a	n/a	0.1353	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a	42	n/a	n/a	83.33	n/a	n/a	0.116	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	n/a	62	n/a	n/a	0	n/a	n/a	0.04158	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	42	n/a	n/a	78.57	n/a	n/a	0.116	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	39	n/a	n/a	100	n/a	n/a	0.1353	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	n/a	59	n/a	n/a	91.53	n/a	n/a	0.04849	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a	42	n/a	n/a	0	n/a	n/a	0.116	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.35	n/a	n/a	n/a	n/a	41	1.008	0.388	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	n/a	57	n/a	n/a	84.21	n/a	n/a	0.05373	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	42	n/a	n/a	76.19	n/a	n/a	0.116	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	39	n/a	n/a	89.74	n/a	n/a	0.1353	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	n/a	59	n/a	n/a	93.22	n/a	n/a	0.04849	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	39	n/a	n/a	94.87	n/a	n/a	0.1353	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	n/a	59	n/a	n/a	83.05	n/a	n/a	0.04849	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	39	n/a	n/a	84.62	n/a	n/a	0.1353	NP Inter(NDs)

PLANT DANIEL GSA CCR GWPS TABLE				
Constituent Name	MCL	CCR Rule-Specified	Background Limit	GWPS
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		0.22	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		3.35	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*

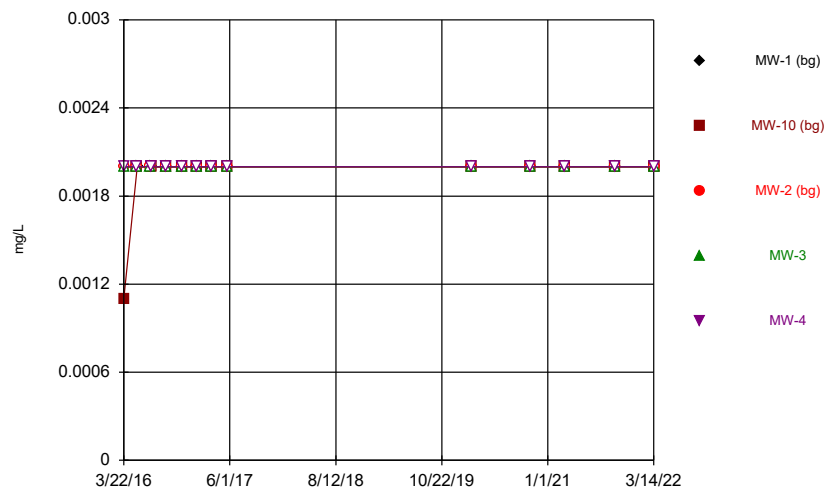
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:55 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-3	0.00169	0.001	0.01	No	14	0.001353	0.0007331	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	14	0.0009523	0.0001785	92.86	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	24	0.1145	0.02955	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.05946	0.05181	2	No	24	0.05564	0.007499	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0515	2	No	14	0.06236	0.006941	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.0789	0.0557	2	No	14	0.07044	0.01676	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1801	0.1096	2	No	14	0.1488	0.05448	0	None	In(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1191	0.09504	2	No	14	0.1071	0.01699	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04589	0.0348	2	No	14	0.04034	0.007832	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.001	0.00044	0.004	No	14	0.0007869	0.0002605	57.14	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	14	0.0009419	0.0002176	92.86	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	14	0.0009422	0.0002162	92.86	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	14	0.0009502	0.0001863	92.86	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.000441	0.0003265	0.004	No	14	0.0003838	0.00008081	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.000255	0.004	No	14	0.0007109	0.0003486	57.14	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000233	0.005	No	13	0.001033	0.0004097	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	23	0.002104	0.0004791	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	23	0.002091	0.0004379	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	13	0.002031	0.0001109	92.31	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00328	0.0016	0.006	No	14	0.002358	0.0008095	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001684	0.001356	0.006	No	14	0.00152	0.0002314	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.001177	0.000896	0.006	No	14	0.001046	0.0002238	0	None	In(x)	0.01	Param.
Cobalt (mg/L)	MW-6	0.00275	0.001875	0.006	No	14	0.002313	0.0006175	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.002603	0.001652	0.006	No	14	0.002127	0.0006712	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-8	0.001624	0.001276	0.006	No	14	0.00145	0.0002457	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001215	0.001012	0.006	No	14	0.001113	0.0001435	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.481	1.956	5	No	14	2.719	1.076	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.331	0.8843	5	No	14	1.108	0.3153	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.522	1.01	5	No	14	1.266	0.3612	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.312	0.9086	5	No	14	1.11	0.2847	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.453	1.679	5	No	14	2.633	1.449	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.305	1.811	5	No	14	2.058	0.3484	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9463	0.6152	5	No	14	0.7807	0.2337	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.1173	0.05596	4	No	21	0.1021	0.07913	9.524	None	In(x)	0.01	Param.
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	19	0.08985	0.02443	84.21	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	19	0.08103	0.02933	68.42	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	19	0.09334	0.02017	89.47	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	19	0.09638	0.01576	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.00107	0.00039	0.015	No	14	0.0007344	0.0003656	7.143	None	No	0.01	NP (normality)
Lead (mg/L)	MW-4	0.001	0.000224	0.015	No	14	0.0008269	0.0003441	78.57	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000592	0.015	No	14	0.0009104	0.0002436	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.00017	0.015	No	14	0.0007739	0.0003745	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	14	0.0008768	0.0003132	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.000215	0.015	No	14	0.0008246	0.0003488	78.57	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00145	0.04	No	13	0.004727	0.0009846	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00205	0.04	No	13	0.004773	0.0008182	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	13	0.004725	0.0009929	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	13	0.004762	0.000857	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00192	0.04	No	13	0.004763	0.0008542	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	13	0.004696	0.001096	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.0011	0.04	No	13	0.0047	0.001082	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	23	0.0001867	0.00003572	86.96	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	23	0.0001925	0.00002882	86.96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	13	0.004763	0.0008542	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	23	0.005078	0.0002746	91.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	23	0.004974	0.0001251	95.65	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	13	0.004638	0.001304	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	13	0.004285	0.001744	84.62	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	13	0.0009438	0.0002027	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	13	0.0009408	0.0002133	92.31	None	No	0.01	NP (NDs)

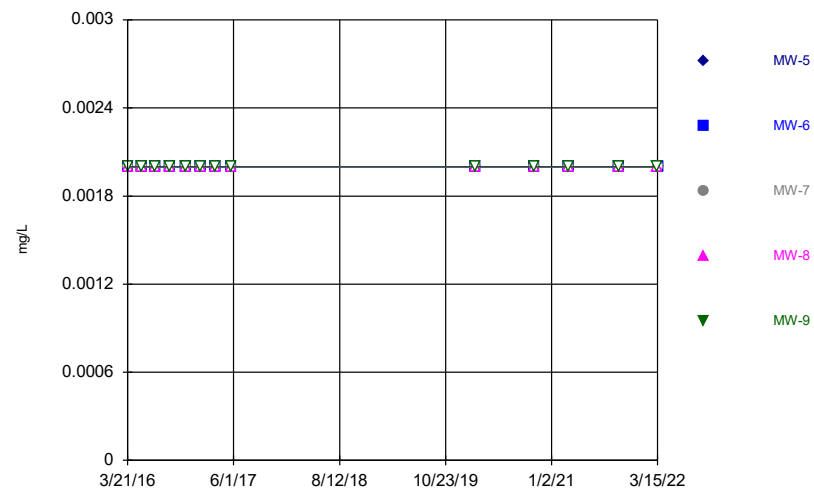
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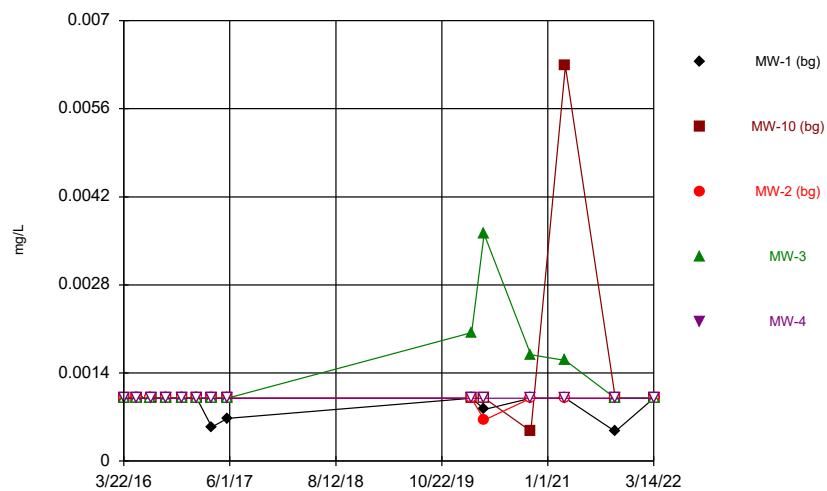
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



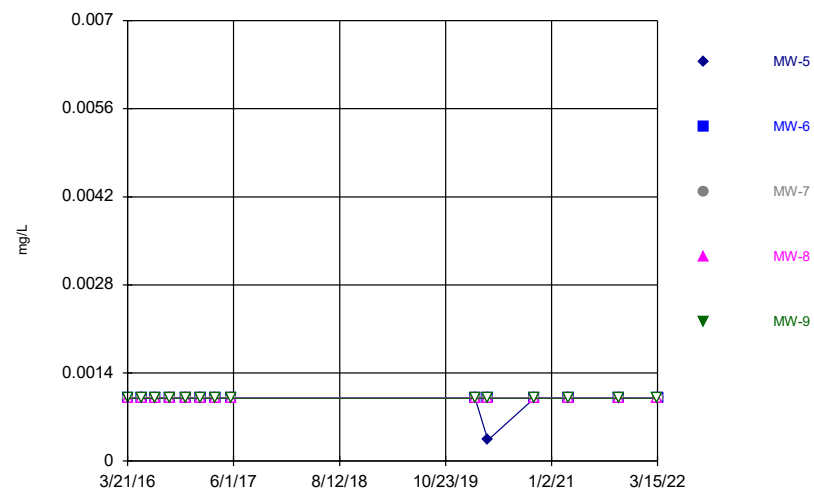
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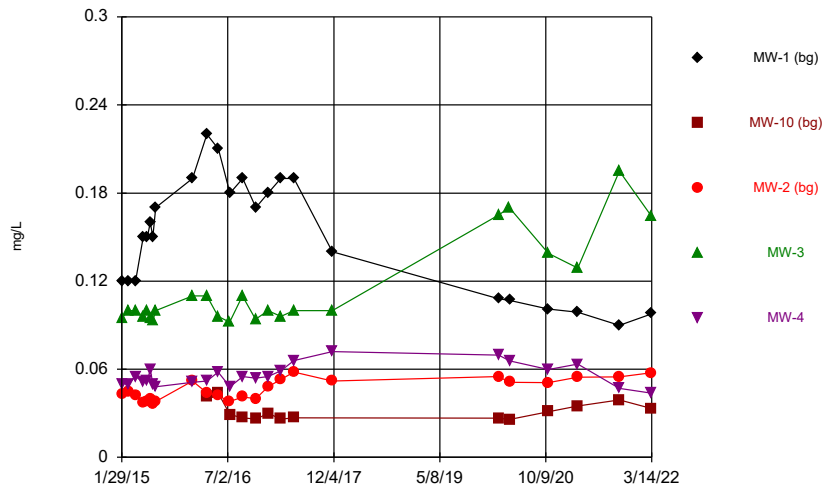
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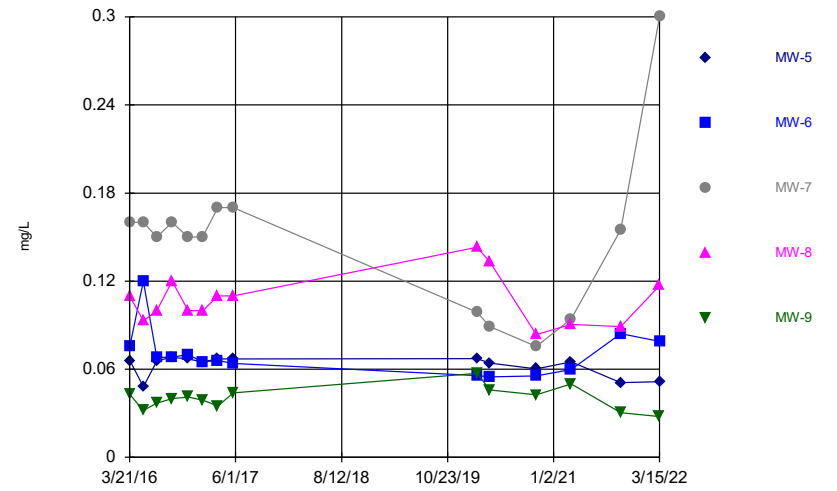
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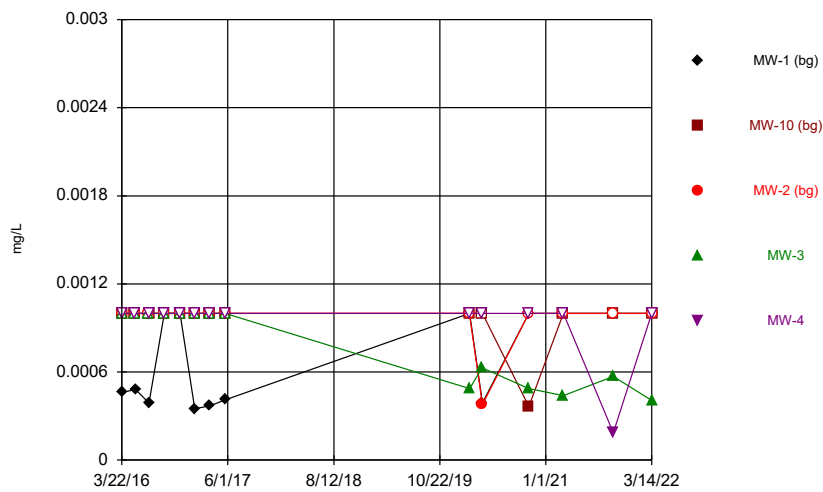
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Time Series



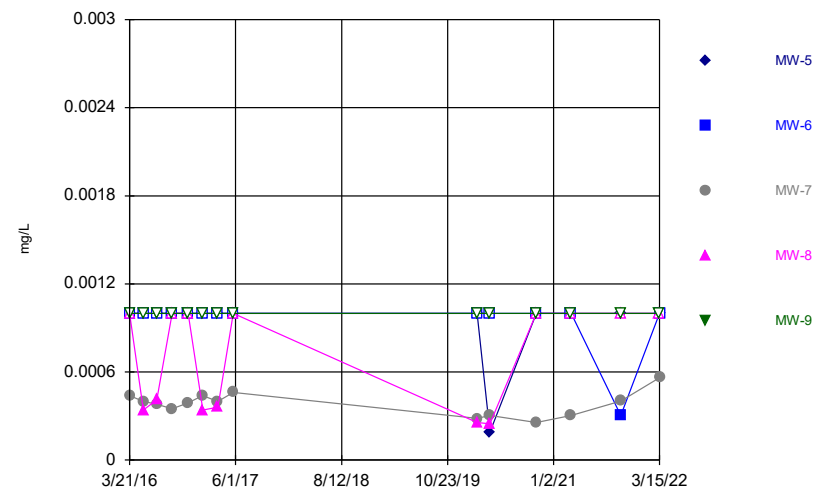
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Time Series



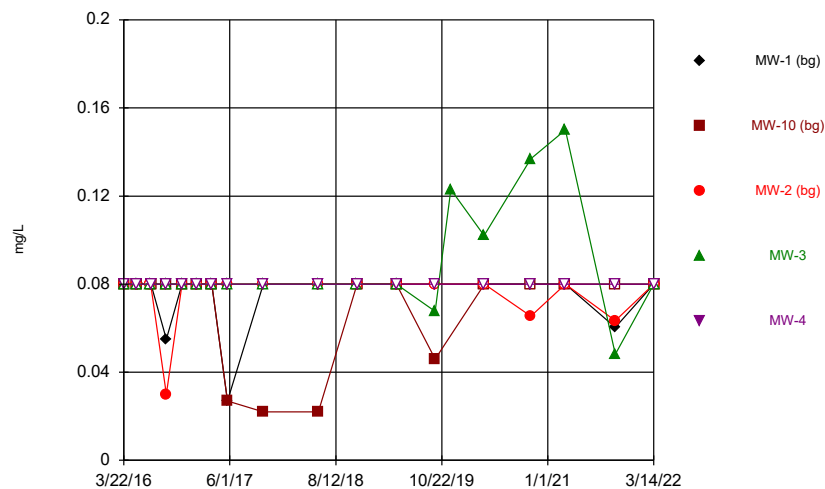
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Time Series



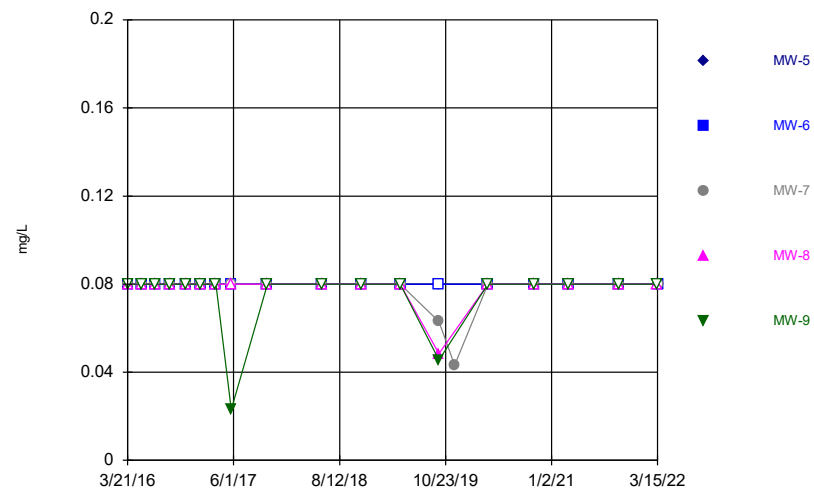
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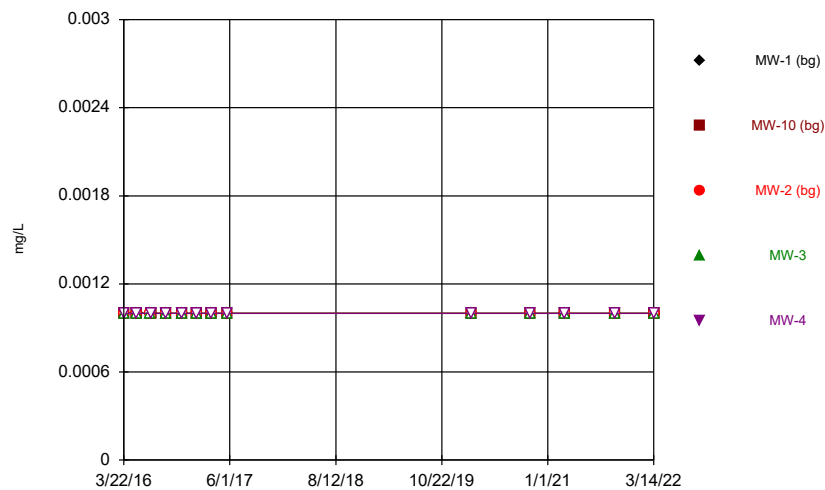
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Time Series



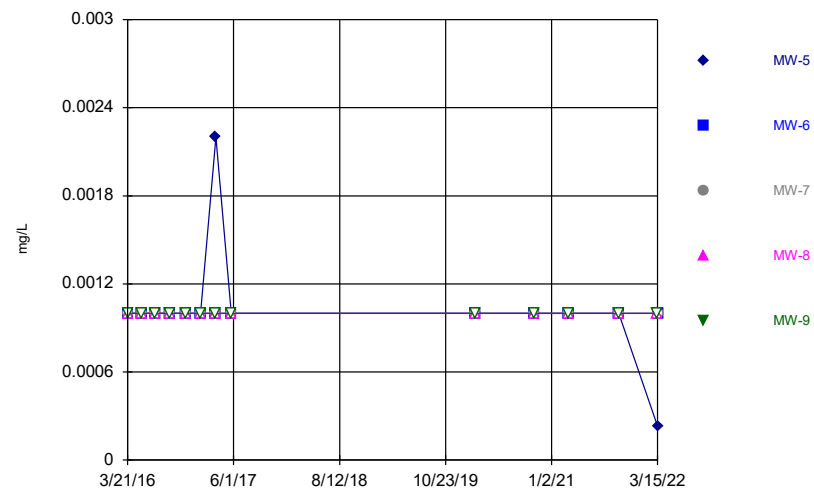
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Time Series



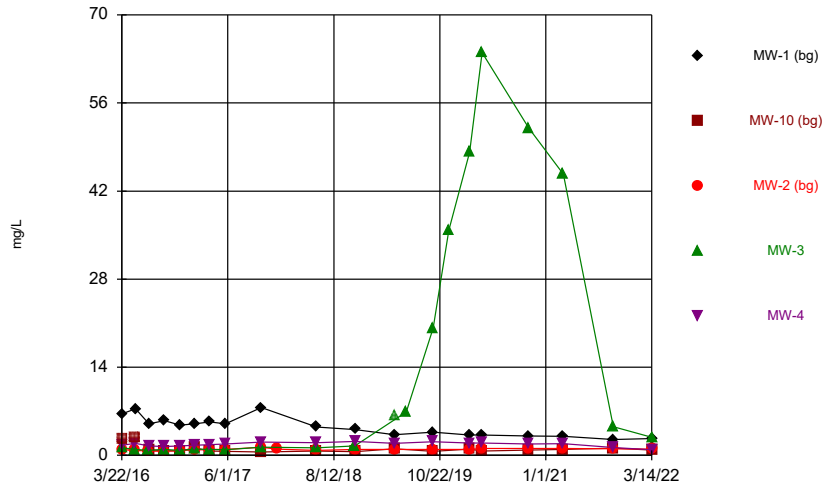
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Time Series



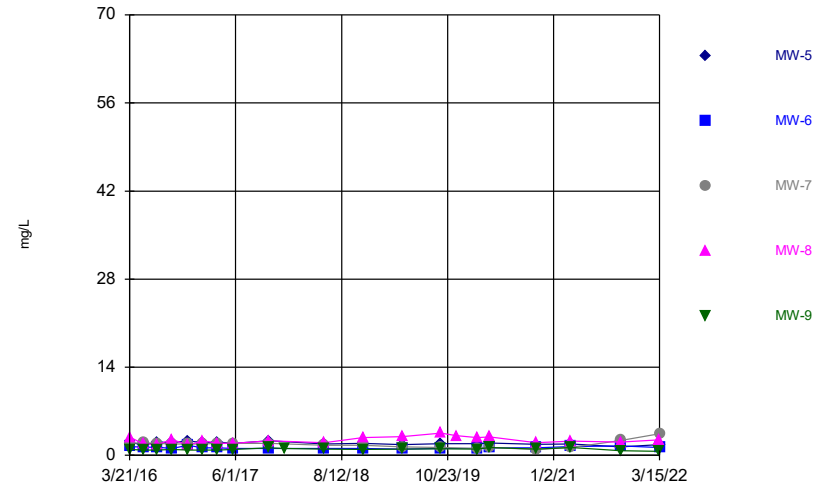
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Time Series



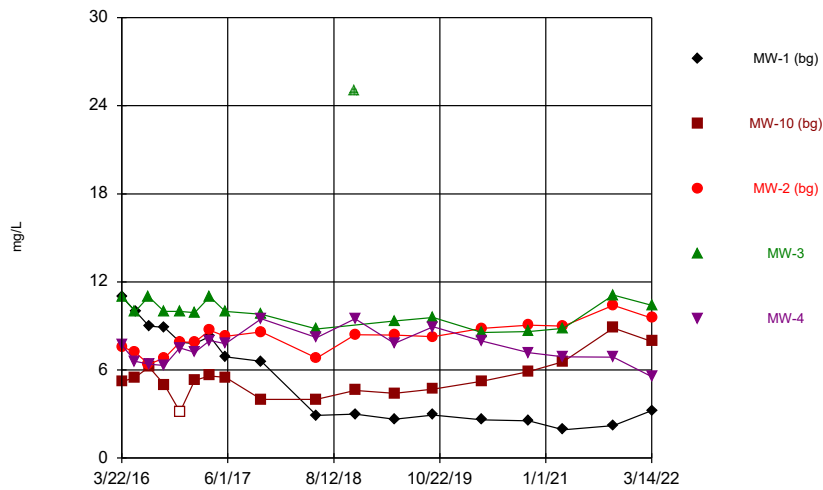
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



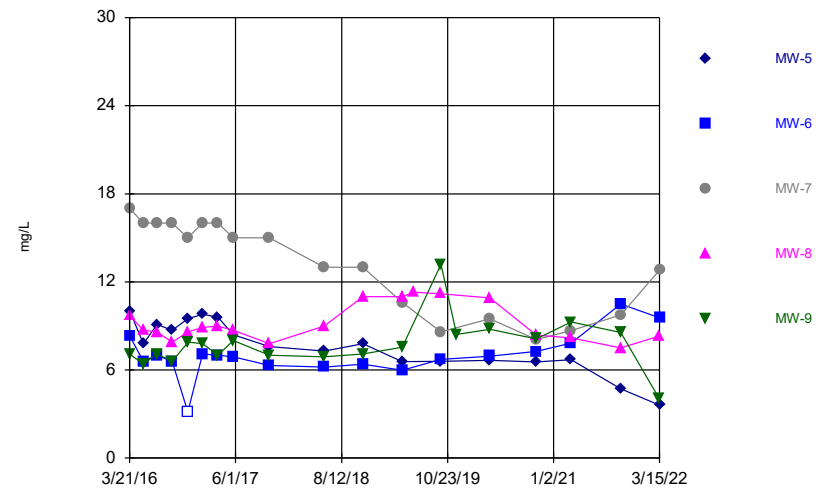
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Time Series



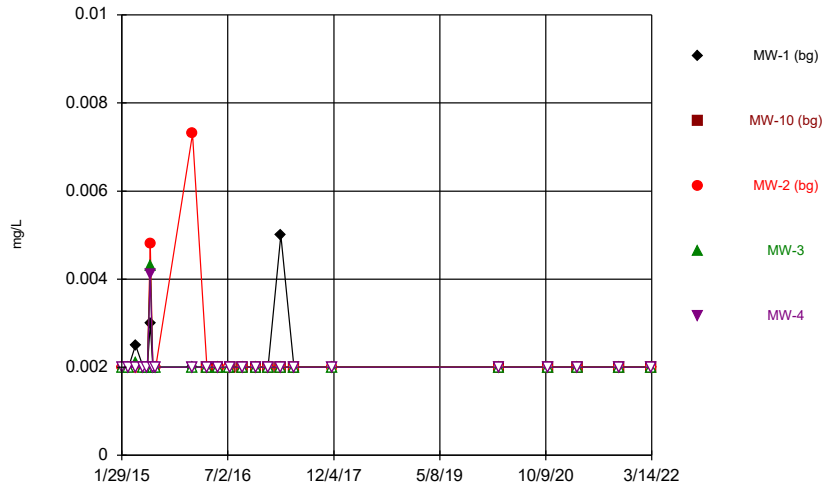
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



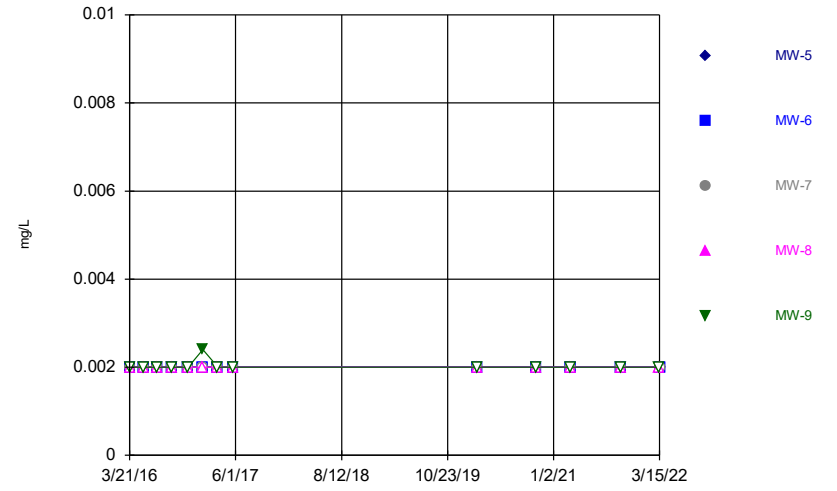
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Time Series



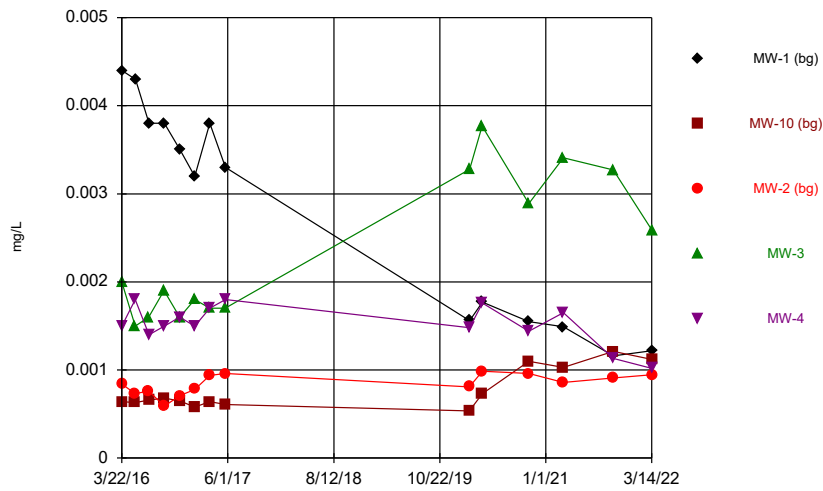
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



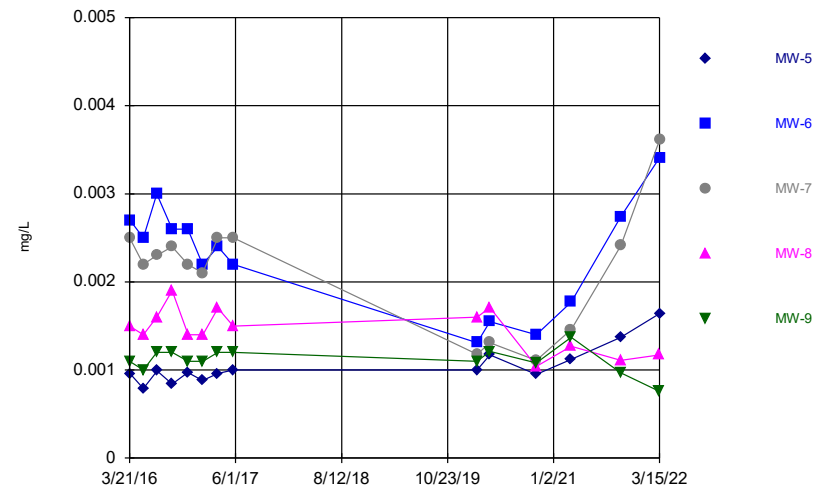
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



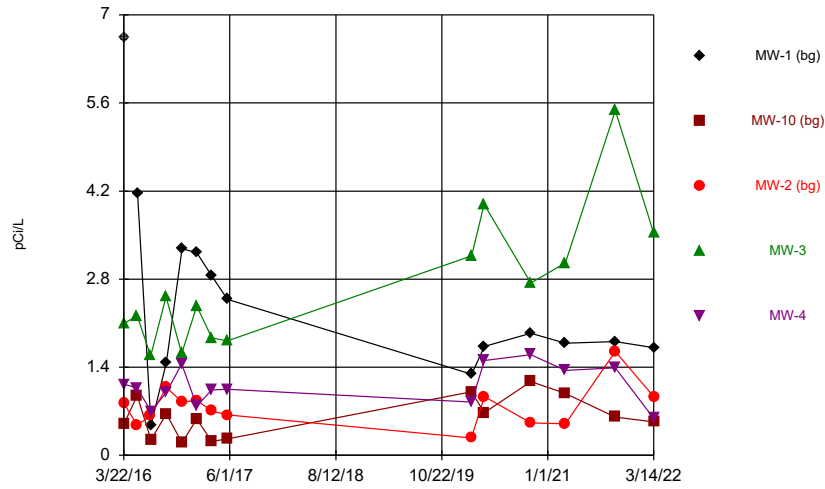
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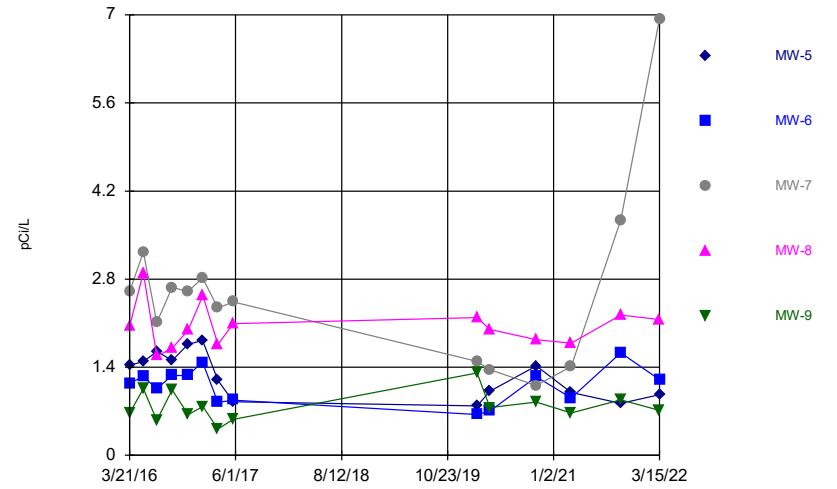
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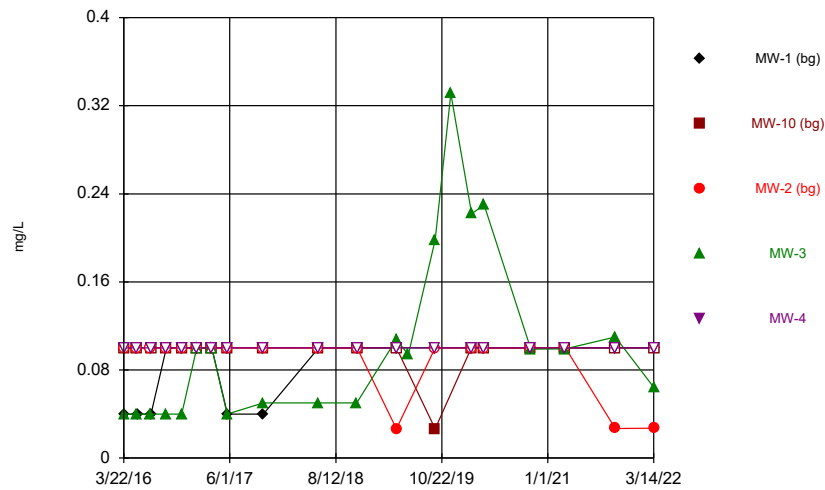
Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



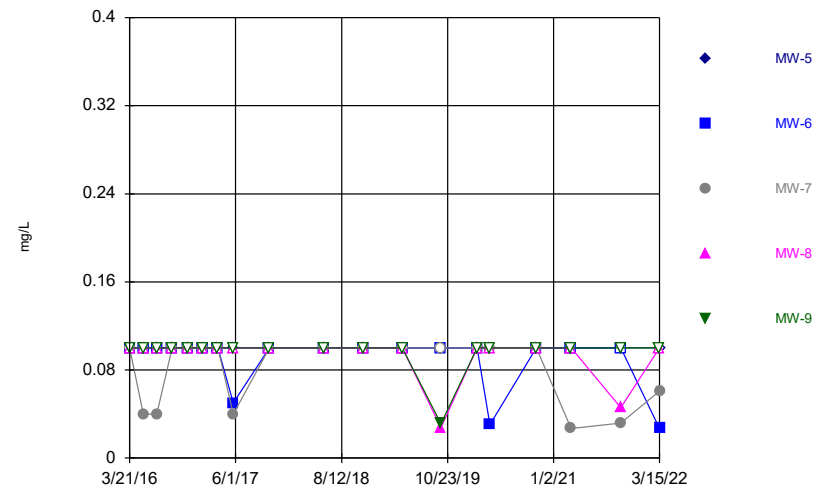
Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



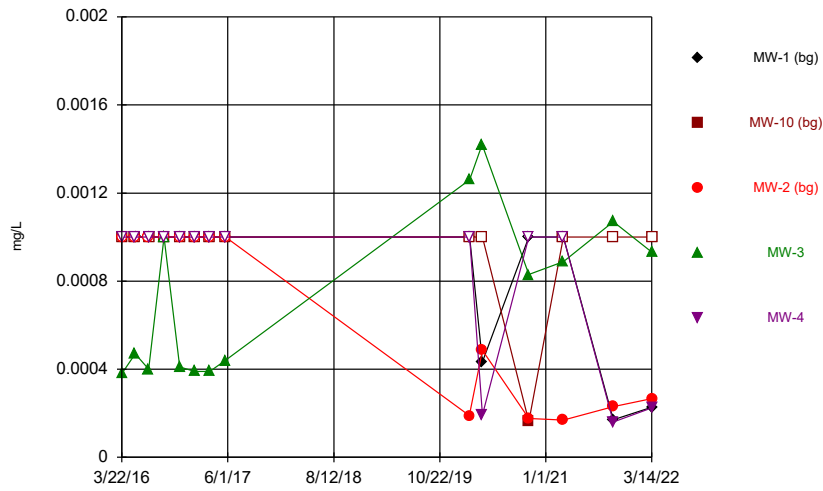
Constituent: Fluoride Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



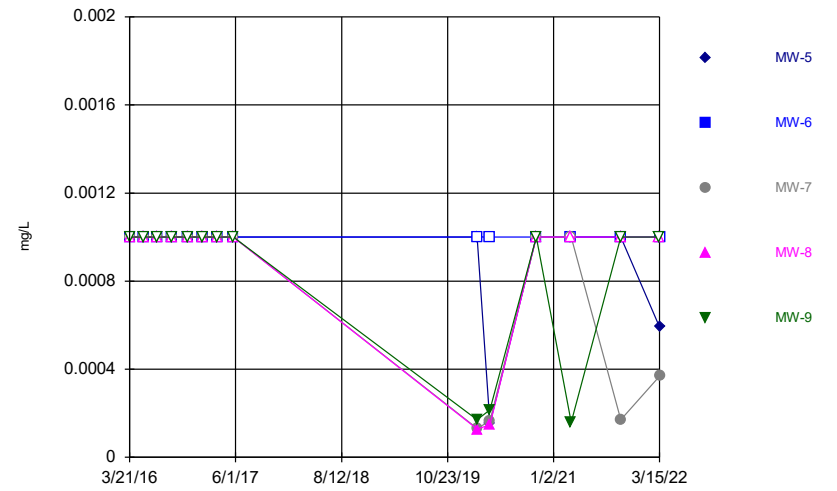
Constituent: Fluoride Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



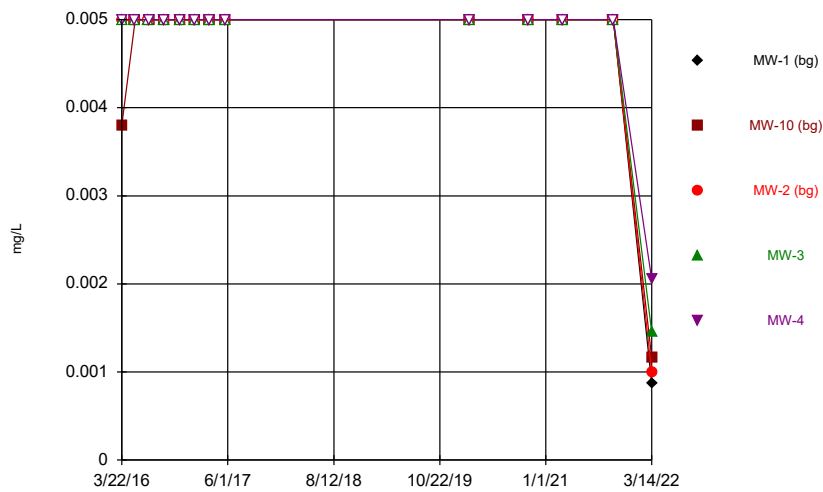
Constituent: Lead Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



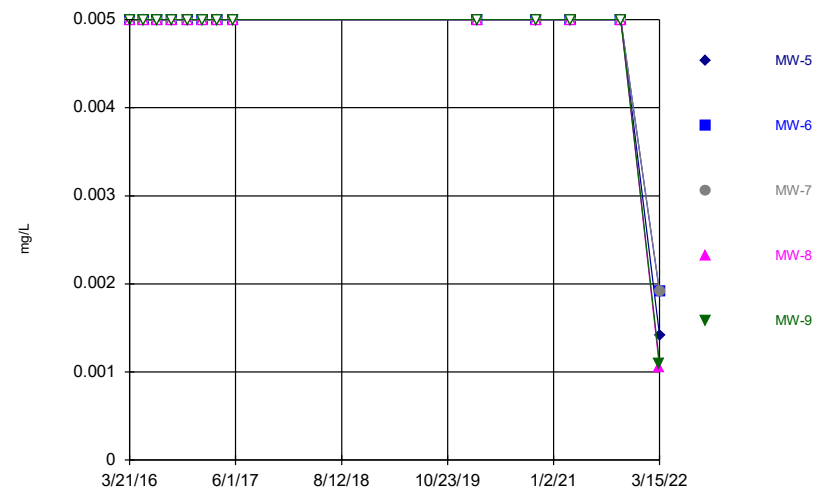
Constituent: Lead Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



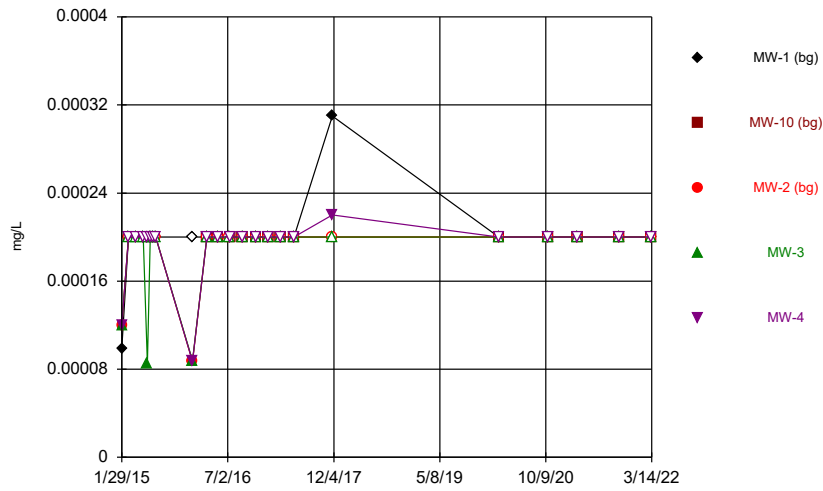
Constituent: Lithium Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



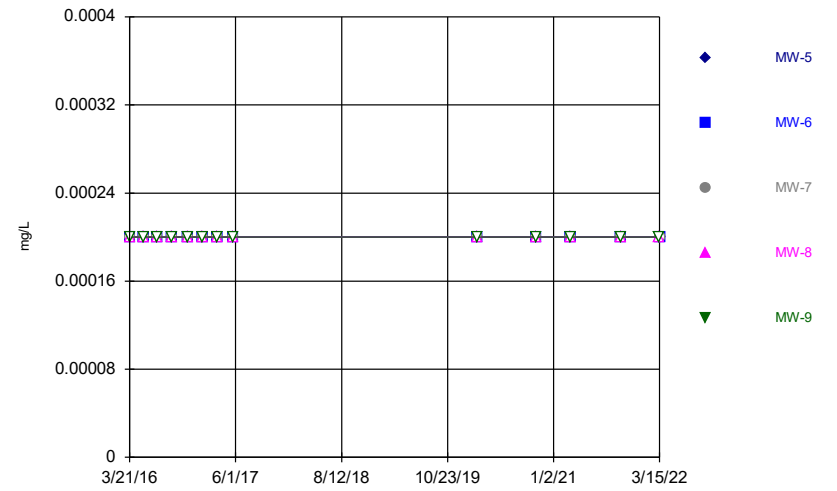
Constituent: Lithium Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



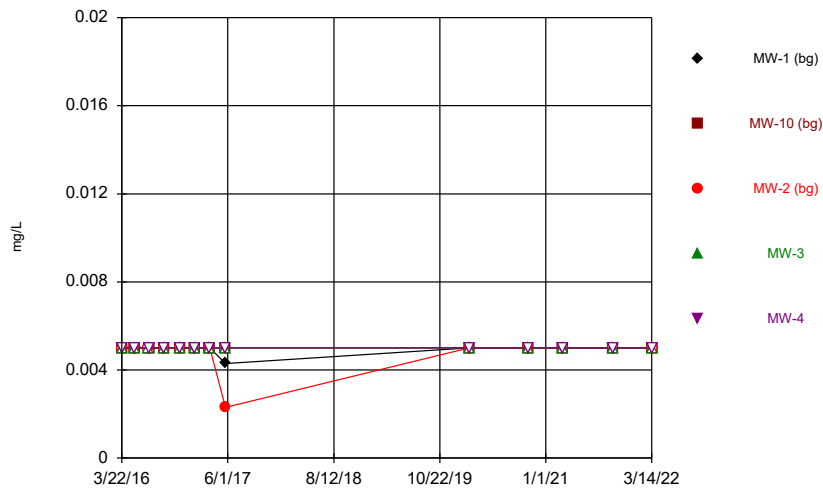
Constituent: Mercury Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



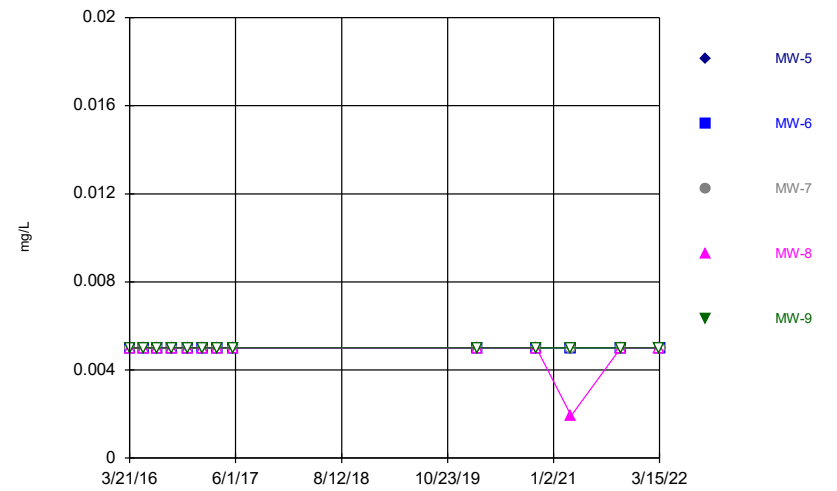
Constituent: Mercury Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



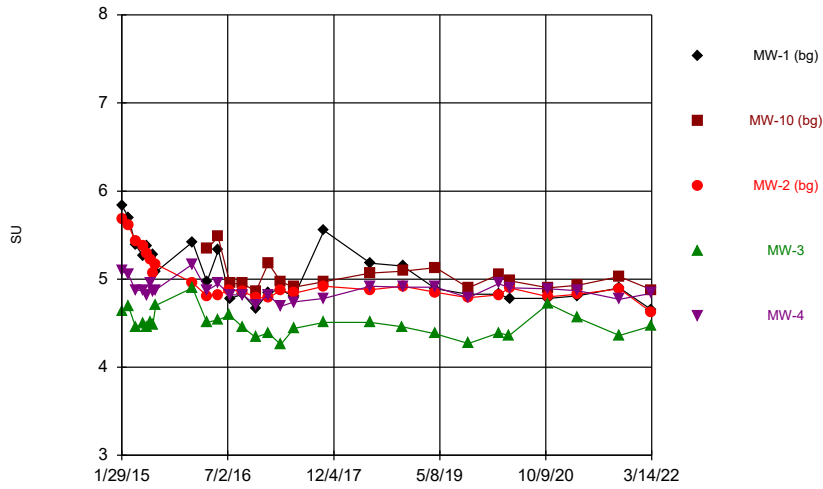
Constituent: Molybdenum Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



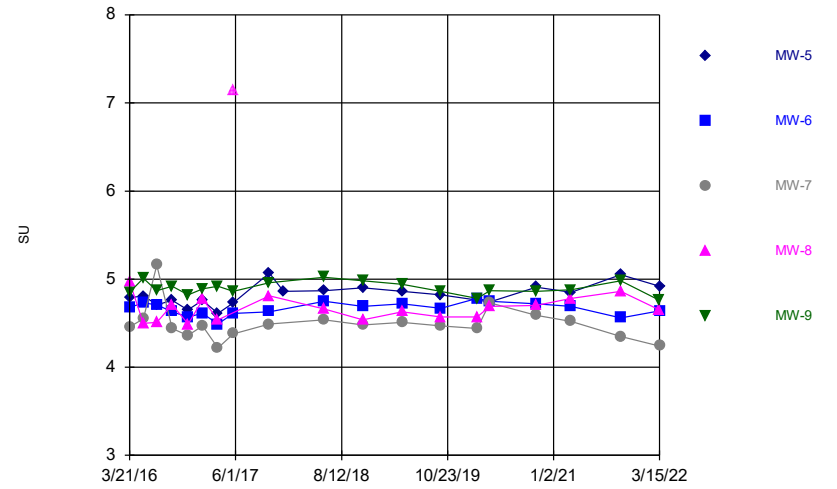
Constituent: Molybdenum Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



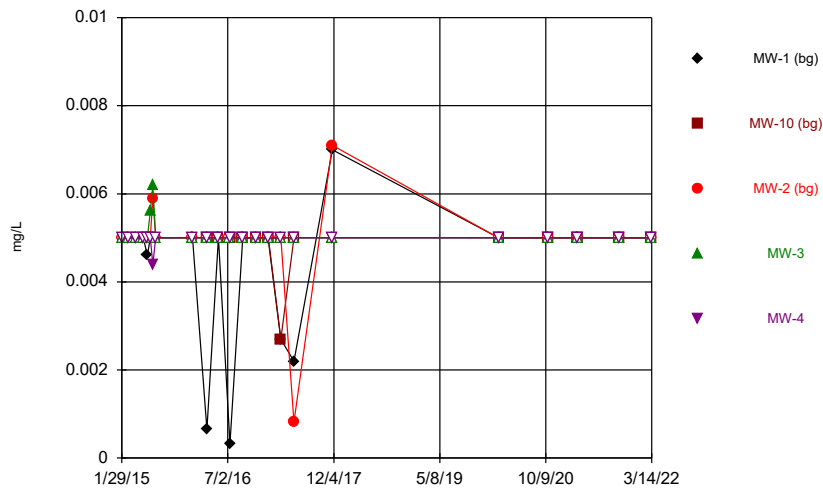
Constituent: pH Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



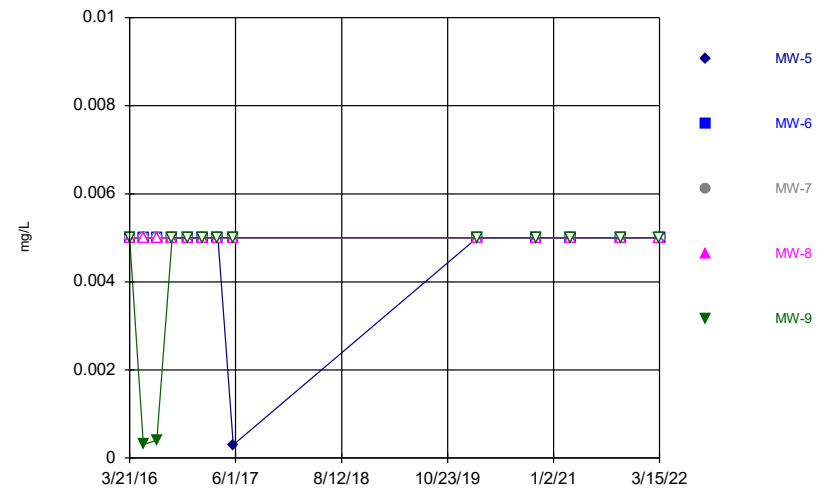
Constituent: pH Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



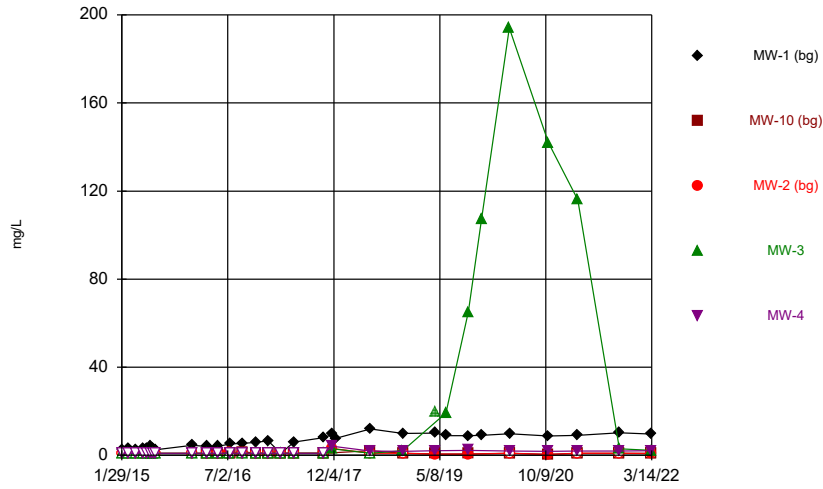
Constituent: Selenium Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



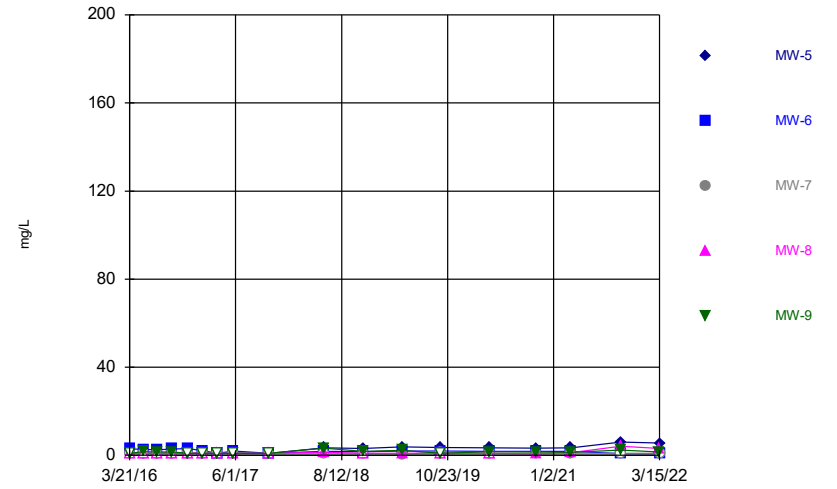
Constituent: Selenium Analysis Run 5/10/2022 3:42 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



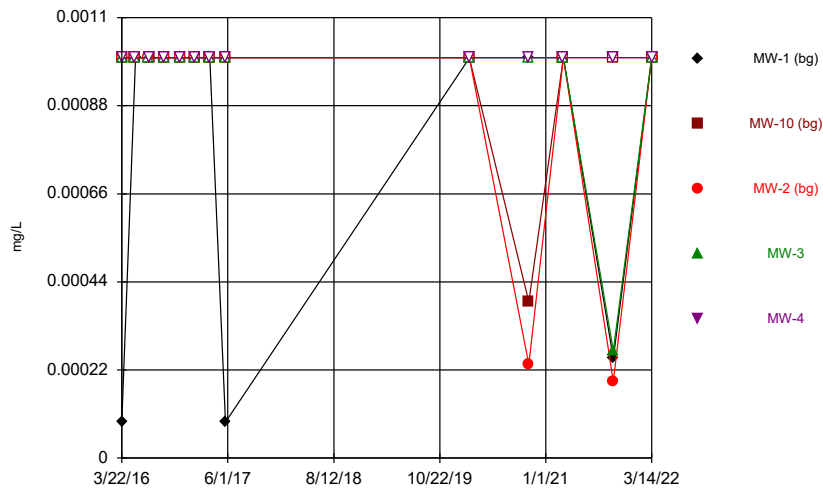
Constituent: Sulfate Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



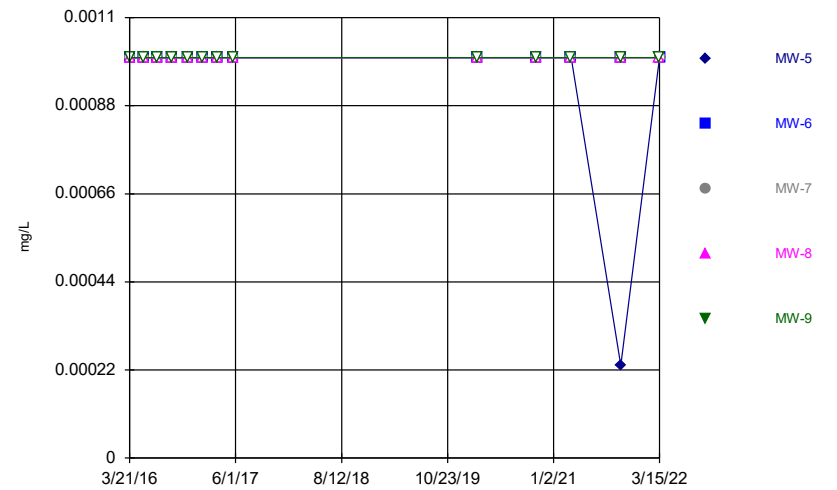
Constituent: Sulfate Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



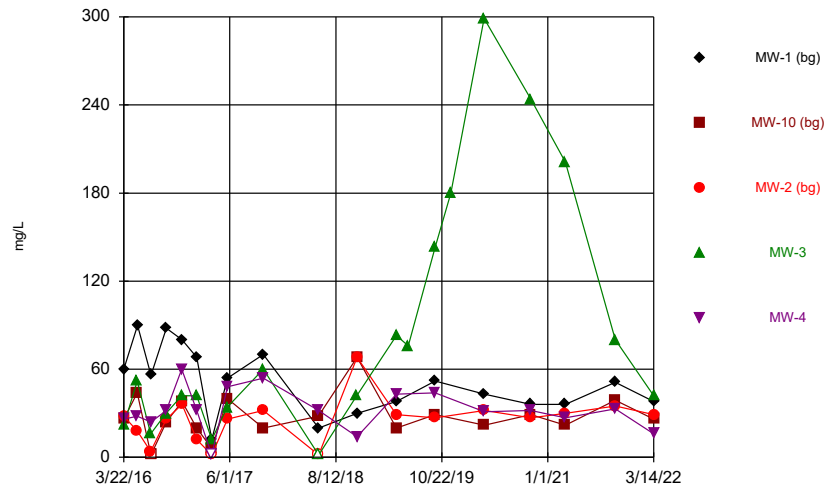
Constituent: Thallium Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



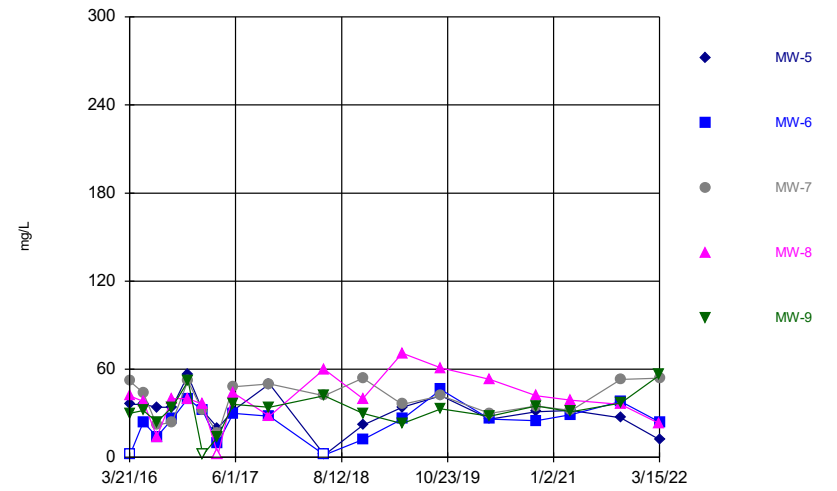
Constituent: Thallium Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:42 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/10/2022 3:42 PM
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

Time Series

Constituent: Barium (mg/L) Analysis Run 5/10/2022 3:42 PM
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		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/10/2022 3:42 PM

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	<0.001	<0.001
5/16/2016		<0.001	<0.001	<0.001	<0.001
5/17/2016	0.00048 (J)				
7/11/2016			<0.001	<0.001	
7/12/2016	0.00039 (J)	<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	0.00035 (J)		<0.001	<0.001	<0.001
1/17/2017		<0.001			
3/20/2017	0.00037 (J)	<0.001	<0.001	<0.001	<0.001
5/22/2017				<0.001	
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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/10/2022 3:42 PM

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)		

Time Series

Constituent: Boron (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Boron (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 3:42 PM

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	<6.3	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		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/10/2022 3:42 PM

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		<0.002	<0.002	<0.002
3/3/2015	<0.002		<0.002	<0.002	<0.002
4/7/2015	0.0025 (J)		<0.002	0.0021 (J)	<0.002
5/14/2015	<0.002		<0.002	<0.002	<0.002
6/3/2015	<0.002		<0.002	<0.002	<0.002
6/18/2015	0.003 (J)		0.0048 (J)	0.0043 (J)	0.0041 (J)
6/30/2015	<0.002		<0.002	<0.002	<0.002
7/15/2015	<0.002		<0.002	<0.002	<0.002
1/11/2016	<0.002		0.0073 (J)	<0.002	<0.002
3/22/2016	<0.002	<0.002	<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	0.005	<0.002	<0.002	<0.002	<0.002
5/22/2017				<0.002	
5/23/2017	<0.002	<0.002	<0.002		<0.002
11/27/2017	<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

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 3:42 PM

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)		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/10/2022 3:42 PM

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	0.00038 (B1J)	<0.001
5/16/2016		<0.001	<0.001	0.00047 (J)	<0.001
5/17/2016	<0.001				
7/11/2016			<0.001	0.0004 (J)	
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				0.00041 (J)	<0.001
11/17/2016	<0.001	<0.001	<0.001		
1/16/2017	<0.001		<0.001	0.00039 (J)	<0.001
1/17/2017		<0.001			
3/20/2017	<0.001	<0.001	<0.001	0.00039 (J)	<0.001
5/22/2017				0.00044 (J)	
5/23/2017	<0.001	<0.001	<0.001		<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)

Time Series

Constituent: Lead (mg/L) Analysis Run 5/10/2022 3:42 PM

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)		

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/10/2022 3:42 PM

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)

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/10/2022 3:42 PM

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)		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: pH (SU) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: pH (SU) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 3:42 PM
 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	<1
3/3/2015	3.2 (J)		<1	<1	<1
4/7/2015	2.6 (J)		<1	<1	<1
5/14/2015	3 (J)		<1	<1	<1
6/3/2015	2.8 (J)		<1	<1	<1
6/18/2015	3.9 (J)		<1	<1	<1
6/30/2015	2.9 (J)		<1	<1	<1
7/15/2015	2.6 (J)		<1	<1	<1
1/11/2016	4.5 (J)		<1	<1	<1
3/22/2016	4 (J)	<1	<1	<1	<1
5/16/2016		<1	<1	<1	<1
5/17/2016	4.1 (J)				
7/11/2016			1.4 (J)	<1	
7/12/2016	5.2	<1			<1
9/12/2016				<1	
9/13/2016	5.5	1.6 (J)	<1		<1
11/16/2016				<1	<1
11/17/2016	5.9	<1	<1		
1/16/2017	6.6		<1	<1	<1
1/17/2017		<1			
3/20/2017	<1	<1	<1	<1	<1
5/22/2017				<1	
5/23/2017	6	<1	<1		<1
10/17/2017				<1	
10/18/2017	8	<1	<1		<1
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	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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 3:42 PM
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	<1	2.9 (J)			
5/16/2016		2.7 (J)	<1		1.7 (J)
5/17/2016	<1			<1	
7/11/2016		2.5 (J)	<1	<1	1.5 (J)
7/12/2016	<1				
9/12/2016		2.8 (J)	<1		
9/13/2016	<1			<1	1.5 (J)
11/16/2016	<1	3.1 (J)	<1		
11/17/2016				<1	<1
1/16/2017	<1	2.1	<1		
1/17/2017				<1	<1
3/20/2017	<1	<1	<1	<1	<1
5/22/2017		1.9 (J)	<1		
5/23/2017	<1			<1	<1
10/18/2017	<1	<1	<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		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/10/2022 3:42 PM

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/10/2022 3:42 PM

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		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 3:42 PM

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	<3.4			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	<3.4
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

Time Series

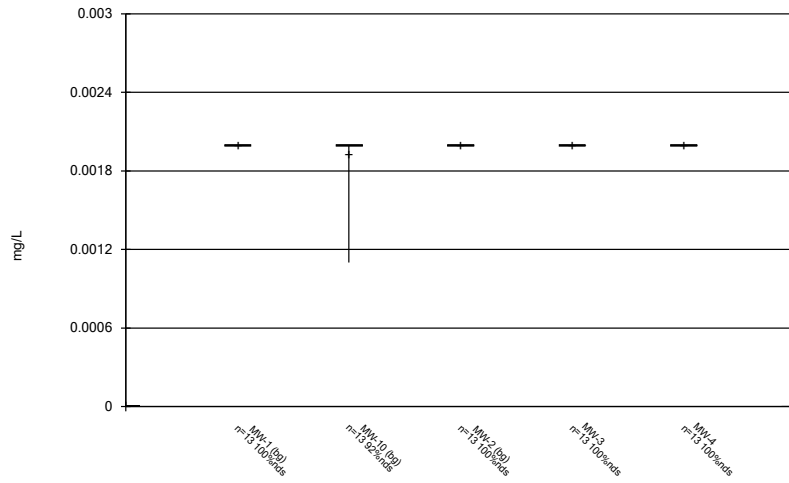
Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 3:42 PM

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	<3.4
3/20/2017	20	10	16	<3.4	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		

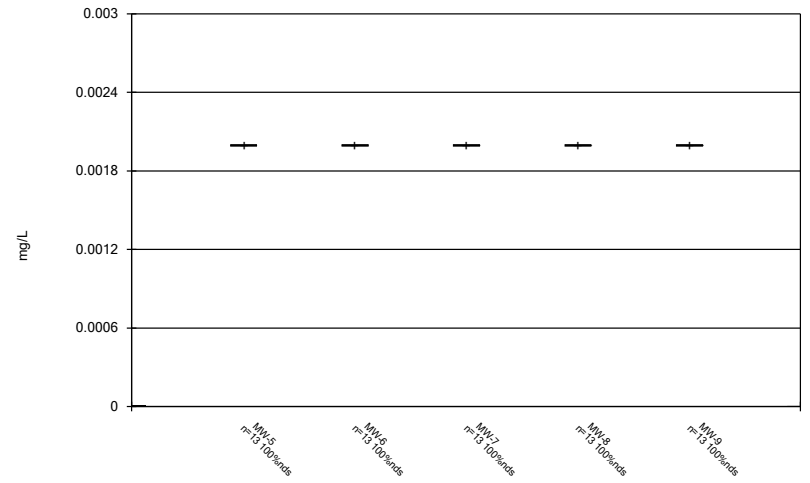
Box Plots

Box & Whiskers Plot



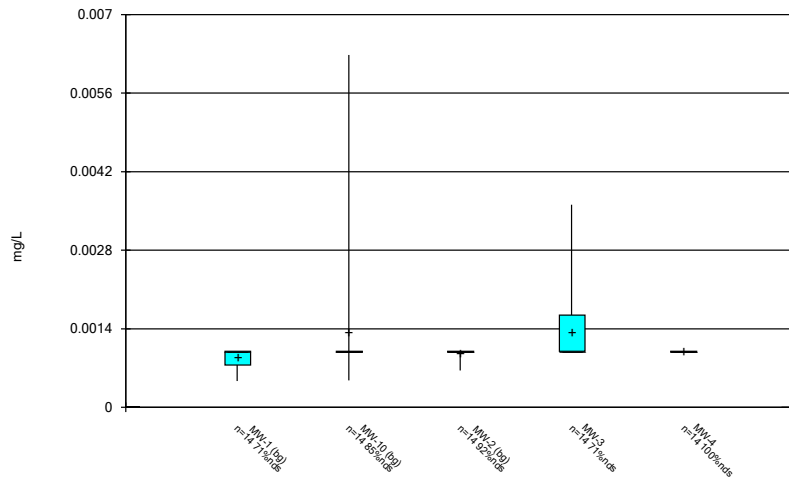
Constituent: Antimony Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



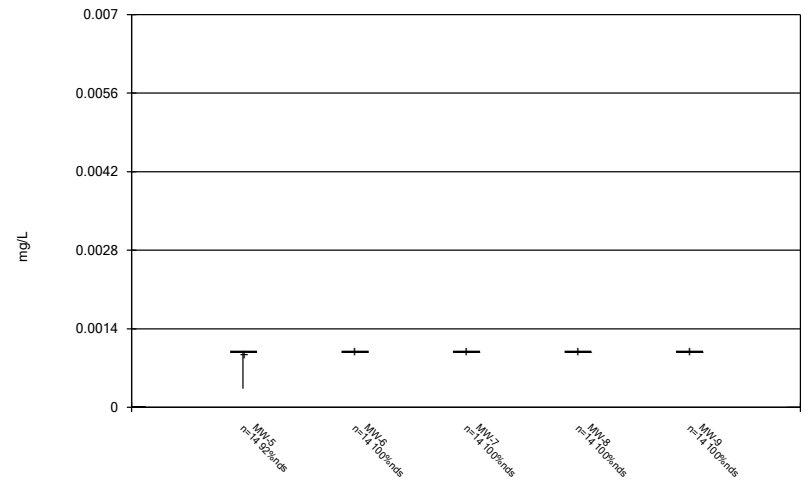
Constituent: Antimony Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



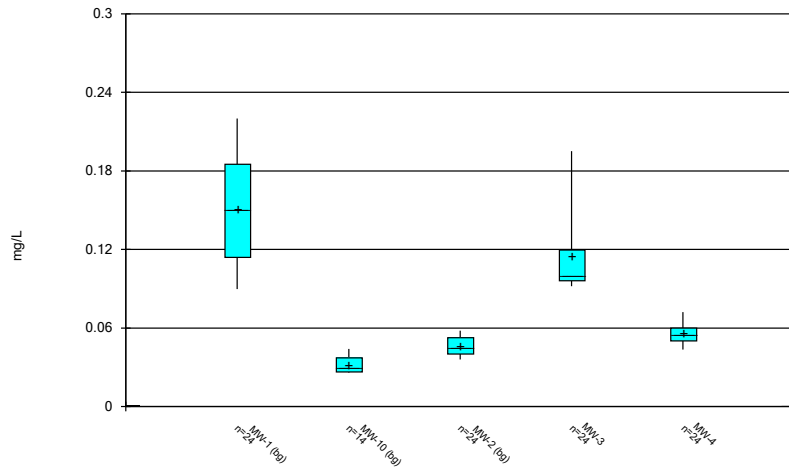
Constituent: Arsenic Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



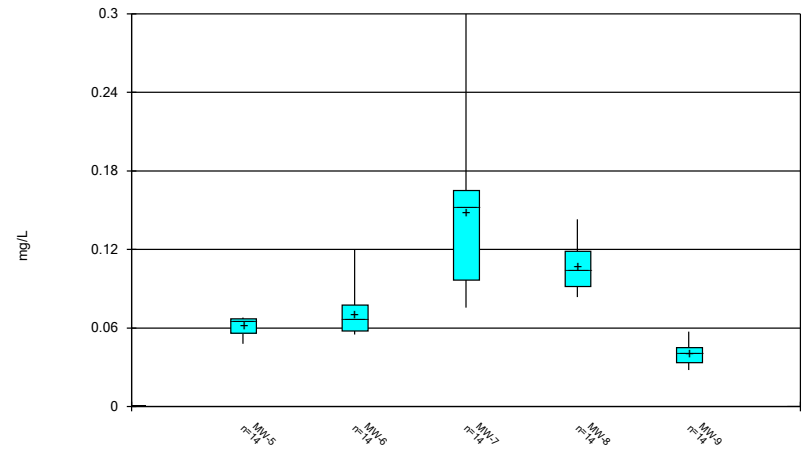
Constituent: Arsenic Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



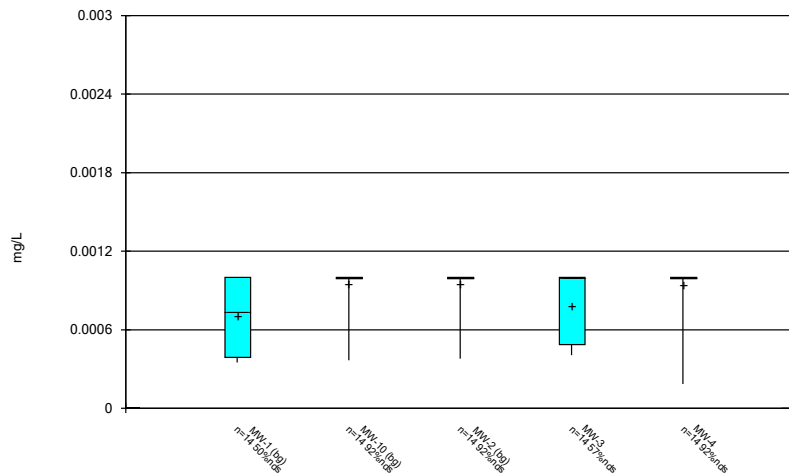
Constituent: Barium Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



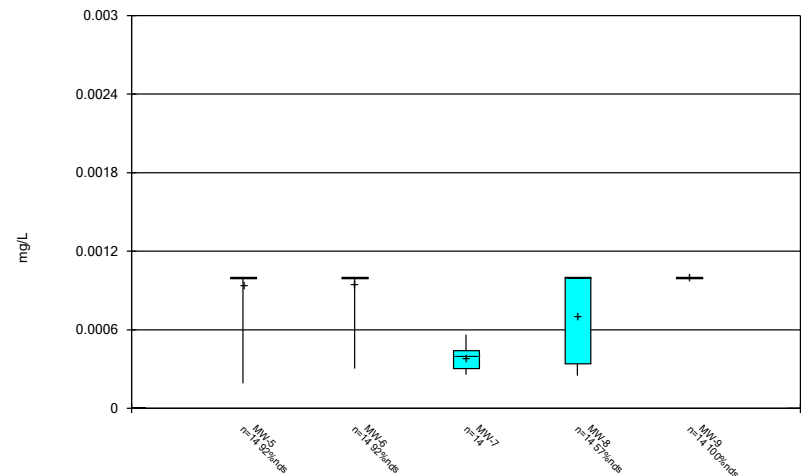
Constituent: Barium Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



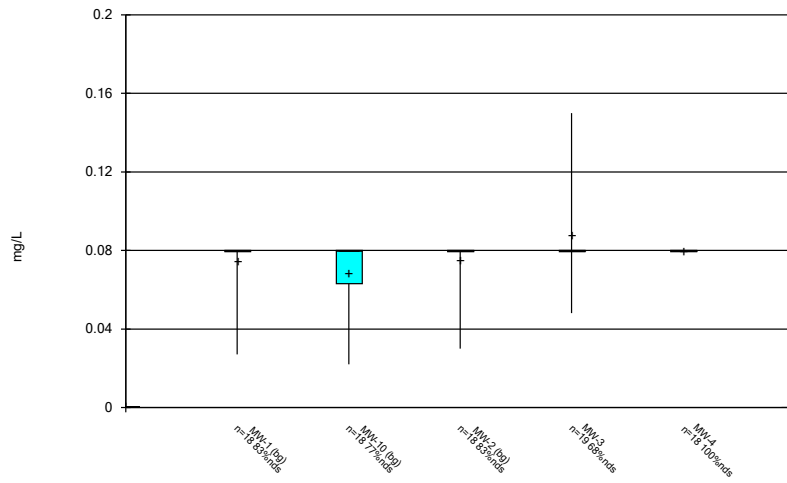
Constituent: Beryllium Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



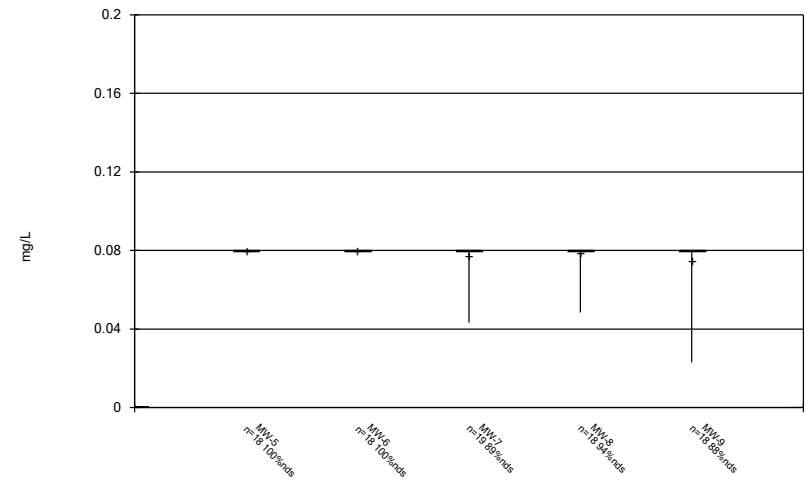
Constituent: Beryllium Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



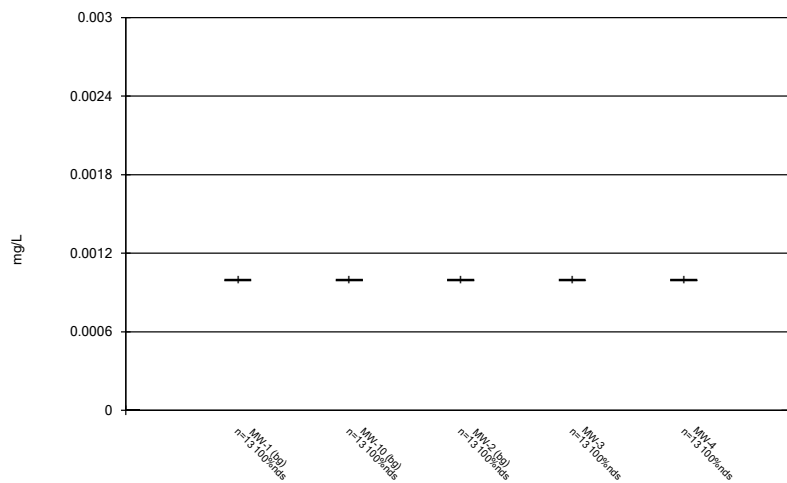
Constituent: Boron Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



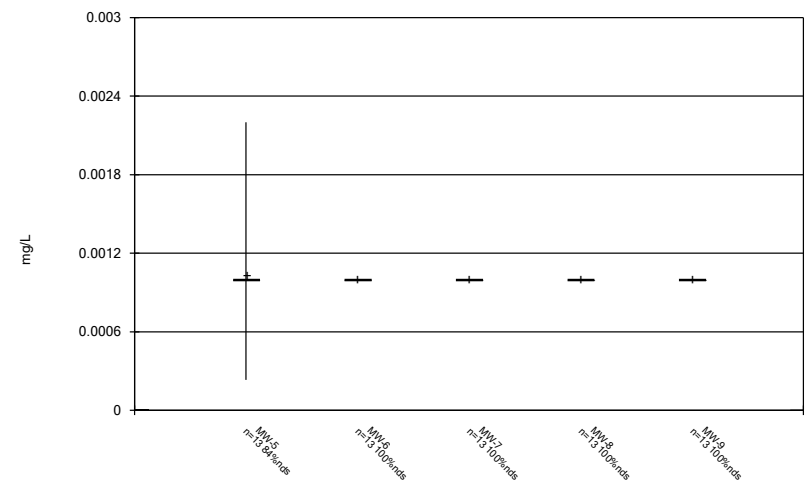
Constituent: Boron Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



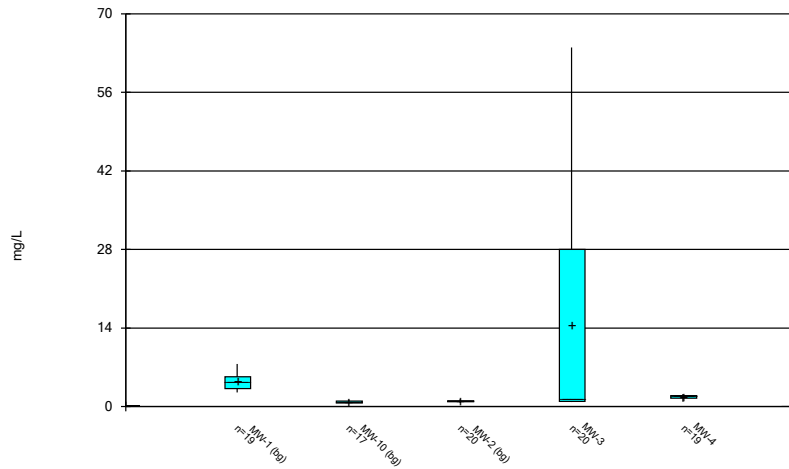
Constituent: Cadmium Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



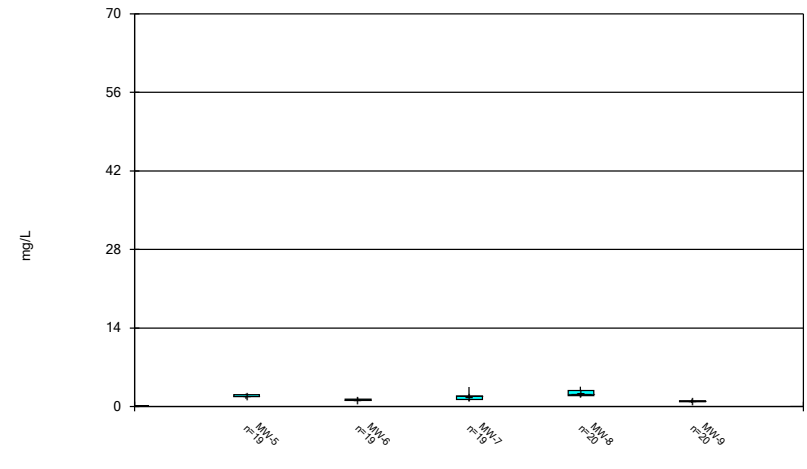
Constituent: Cadmium Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



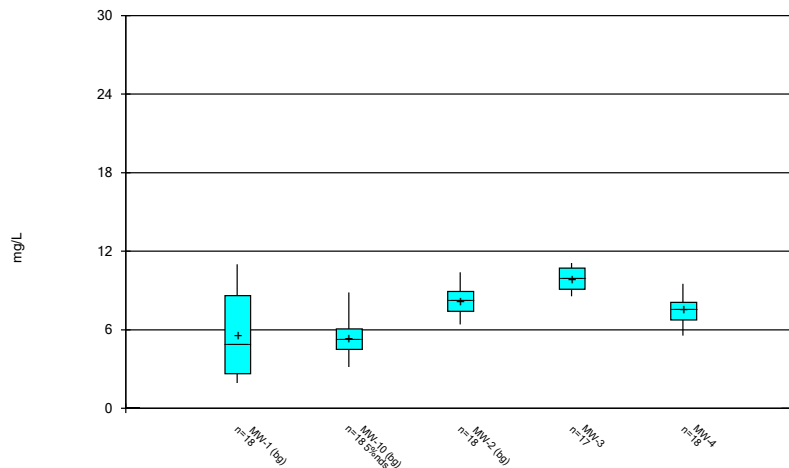
Constituent: Calcium Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



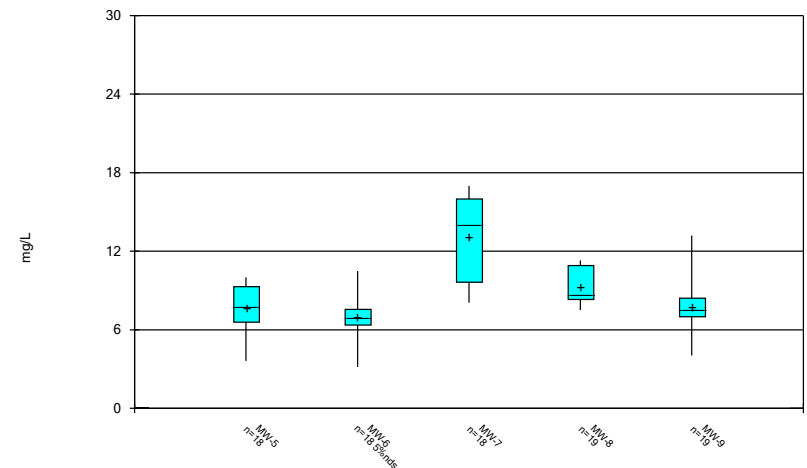
Constituent: Calcium Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



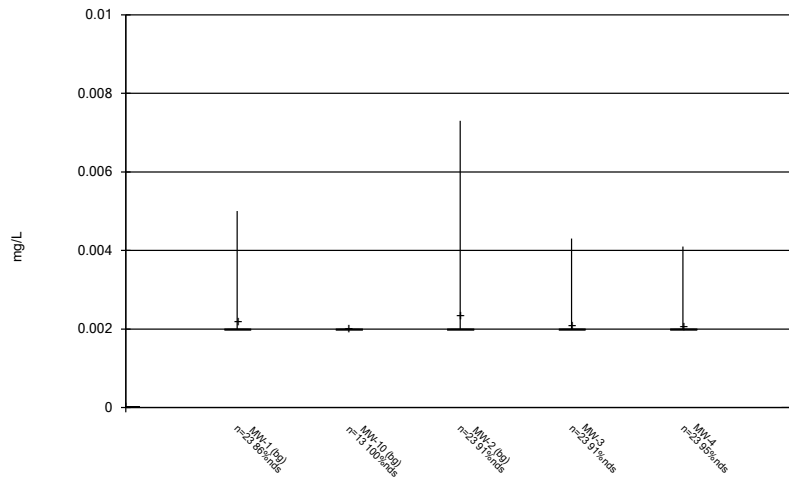
Constituent: Chloride Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



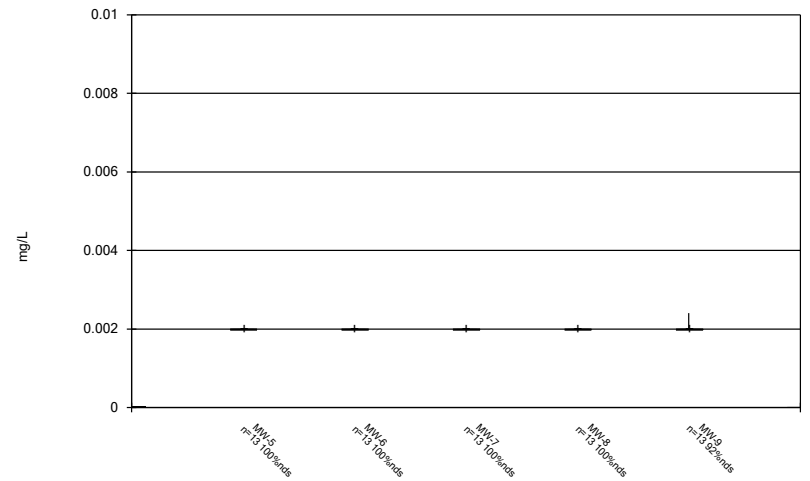
Constituent: Chloride Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



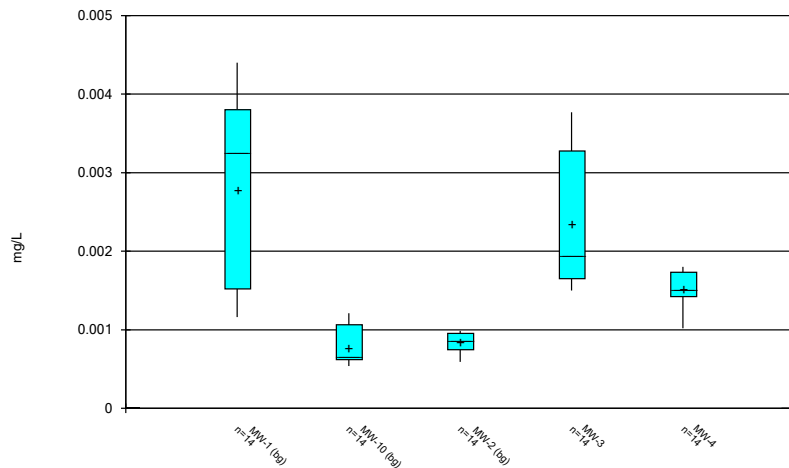
Constituent: Chromium Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



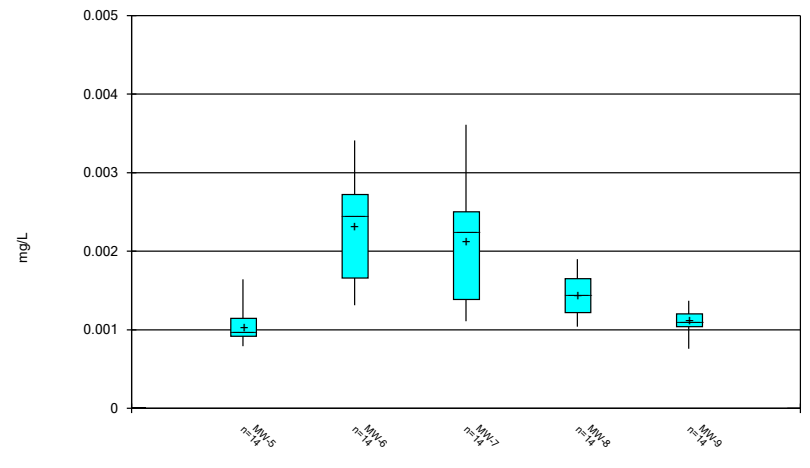
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



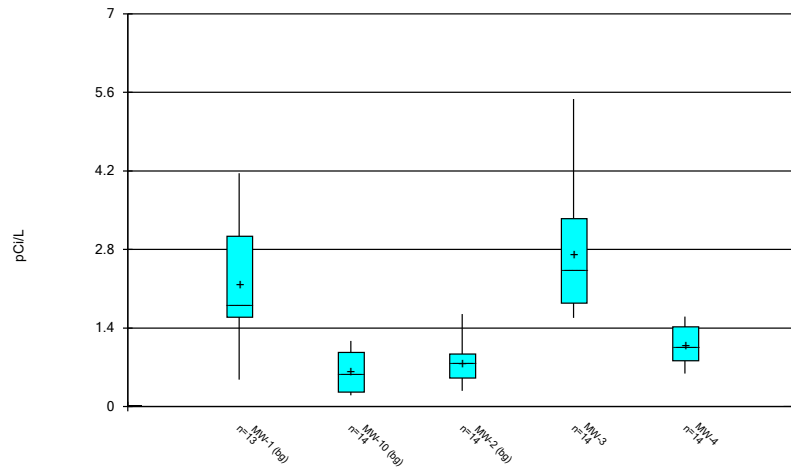
Constituent: Cobalt Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



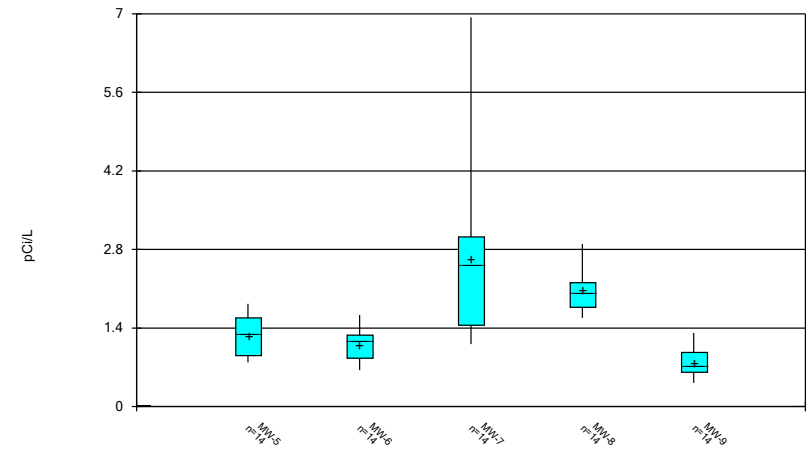
Constituent: Cobalt Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



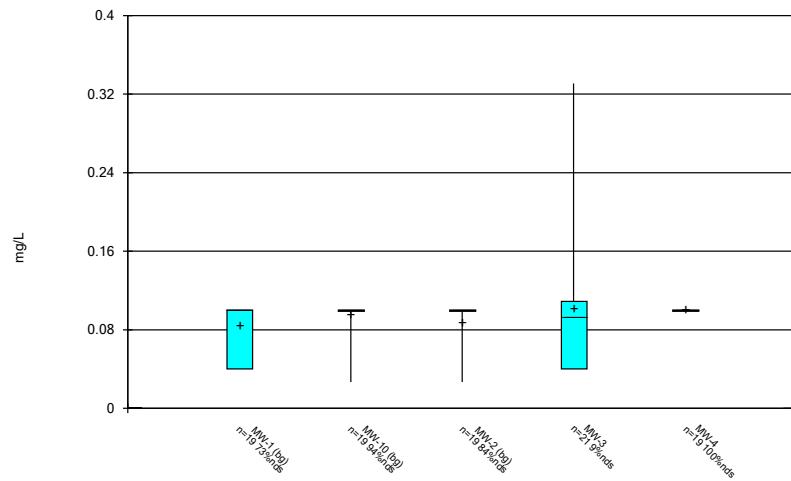
Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



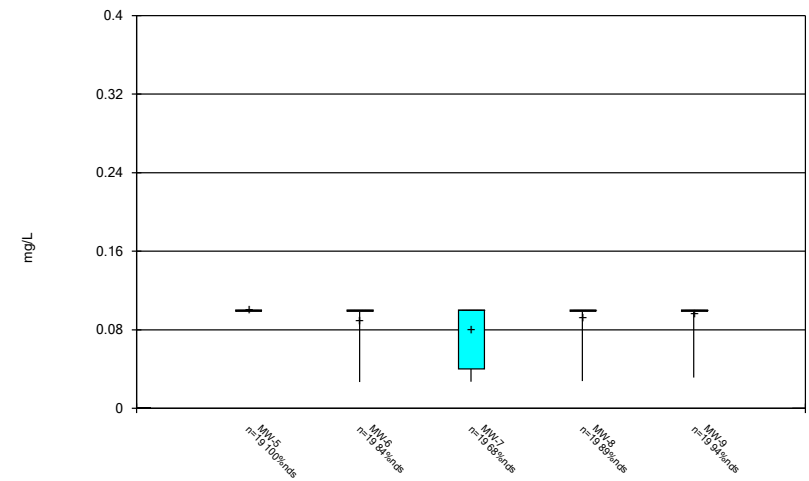
Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



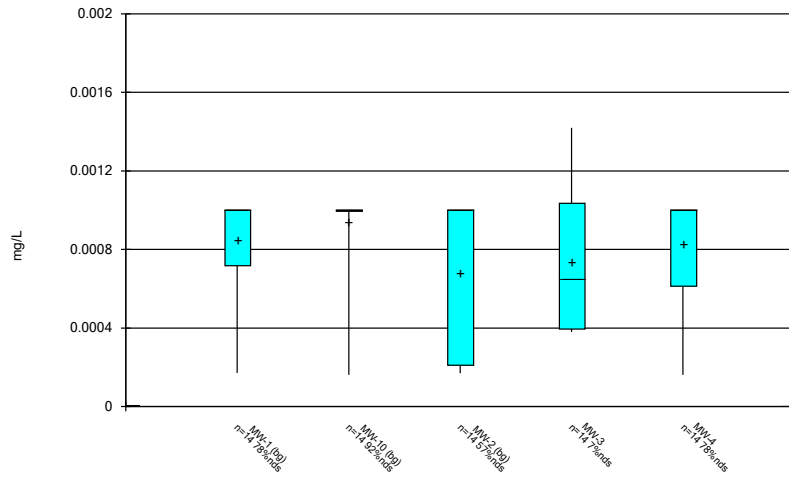
Constituent: Fluoride Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



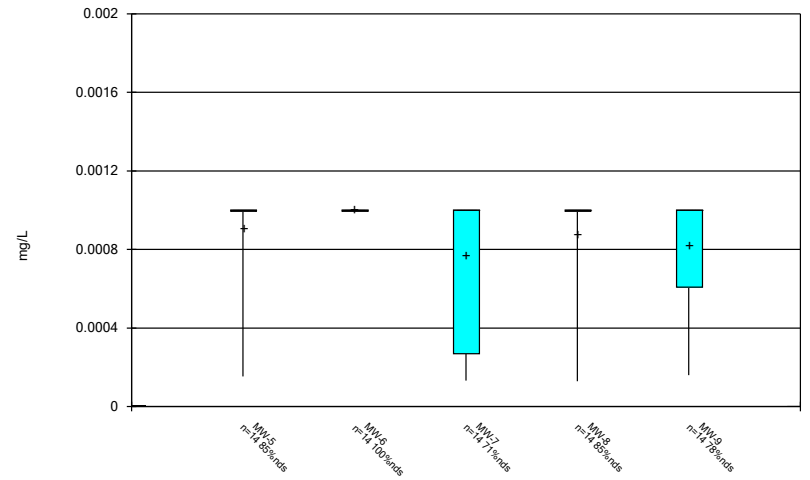
Constituent: Fluoride Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



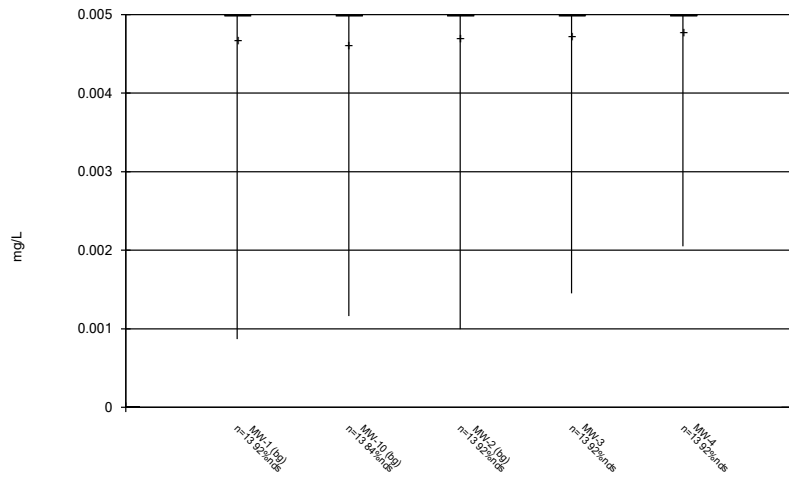
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



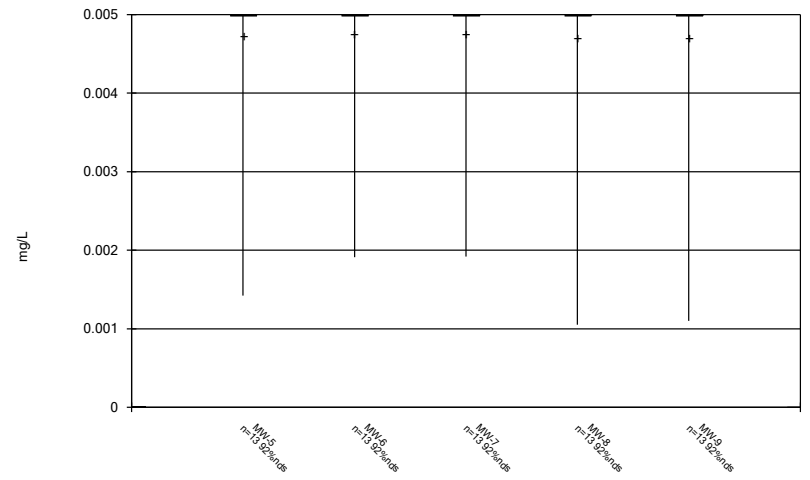
Constituent: Lead Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



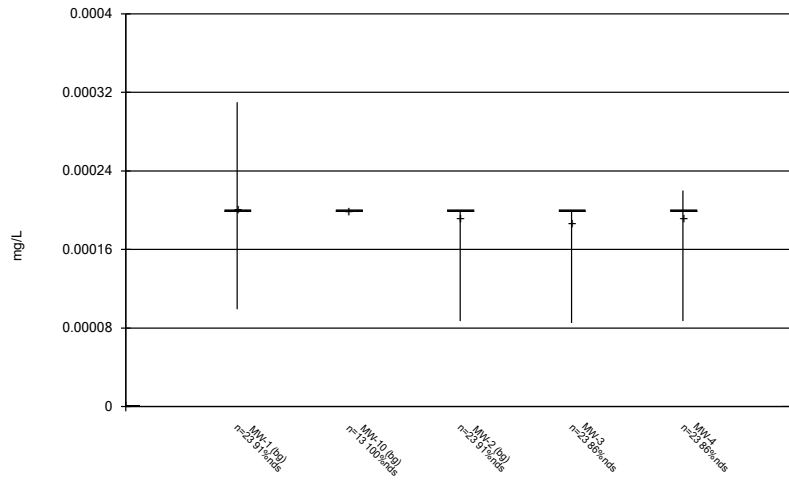
Constituent: Lithium Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



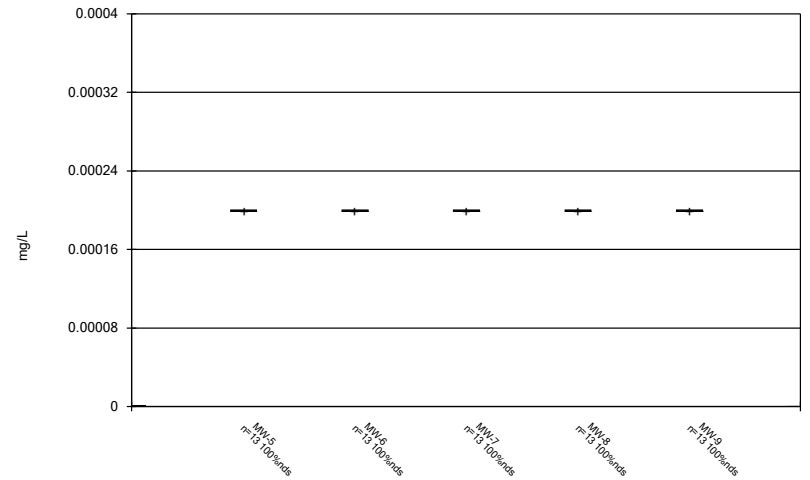
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



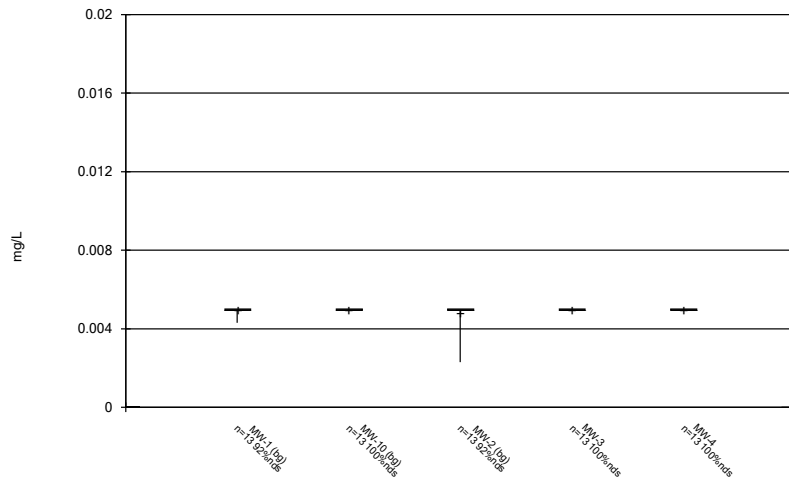
Constituent: Mercury Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



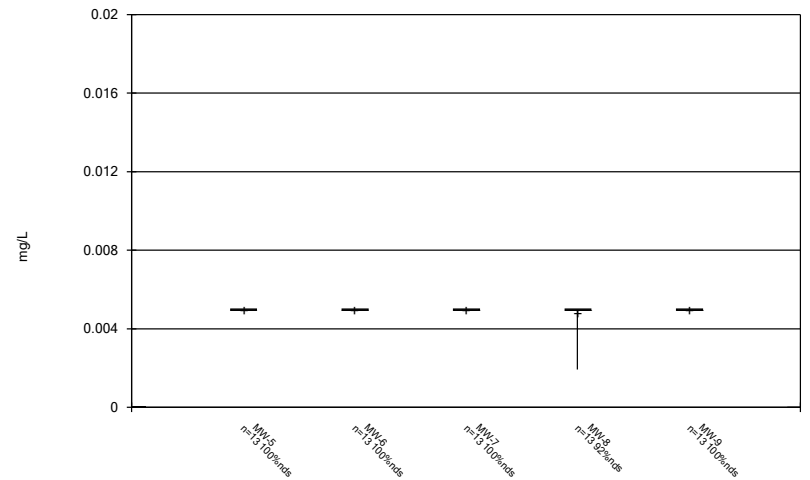
Constituent: Mercury Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



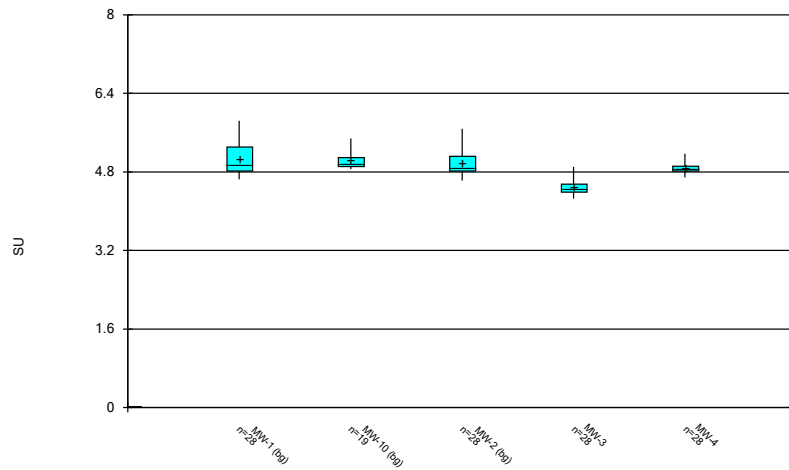
Constituent: Molybdenum Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



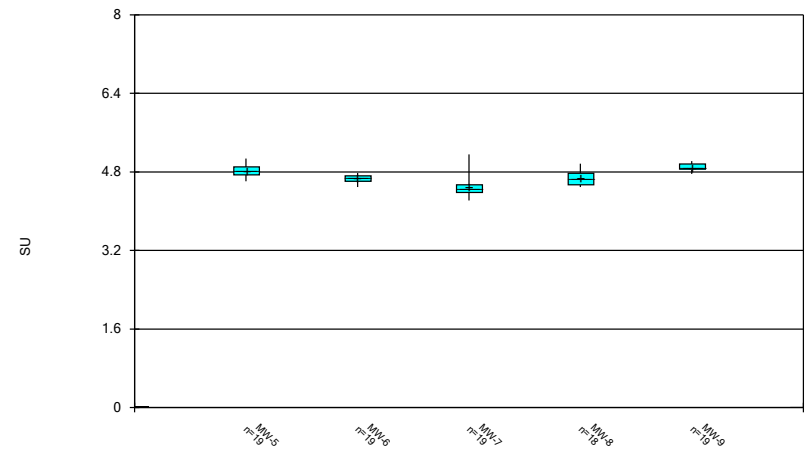
Constituent: Molybdenum Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



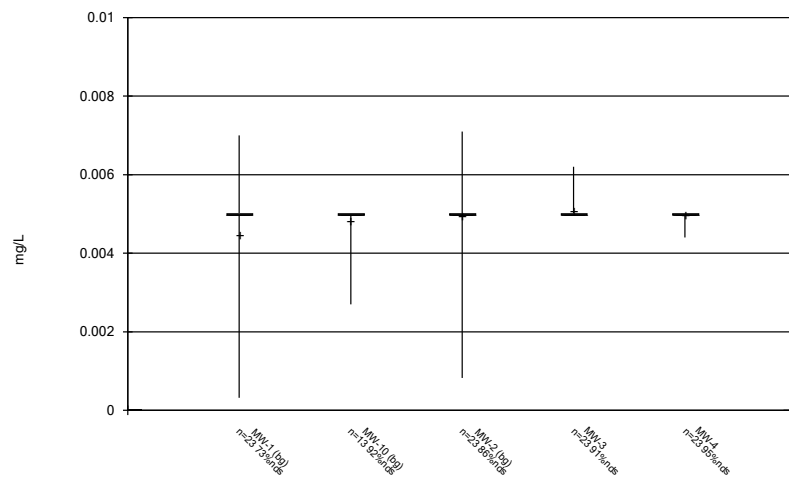
Constituent: pH Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



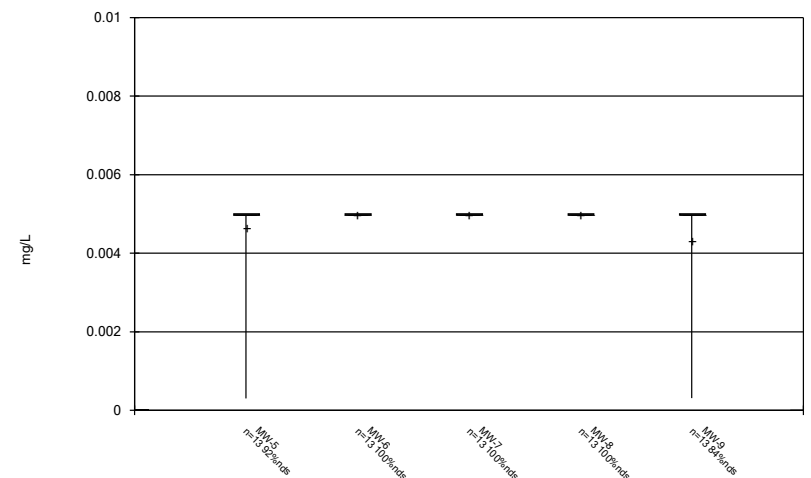
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



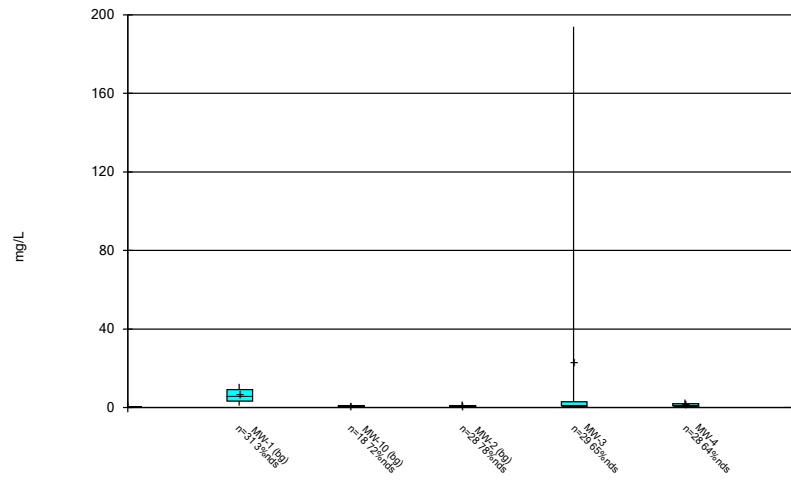
Constituent: Selenium Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



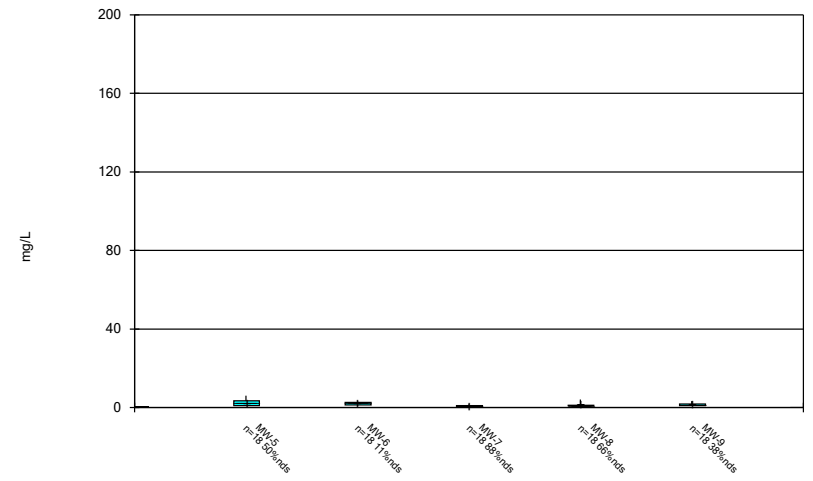
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



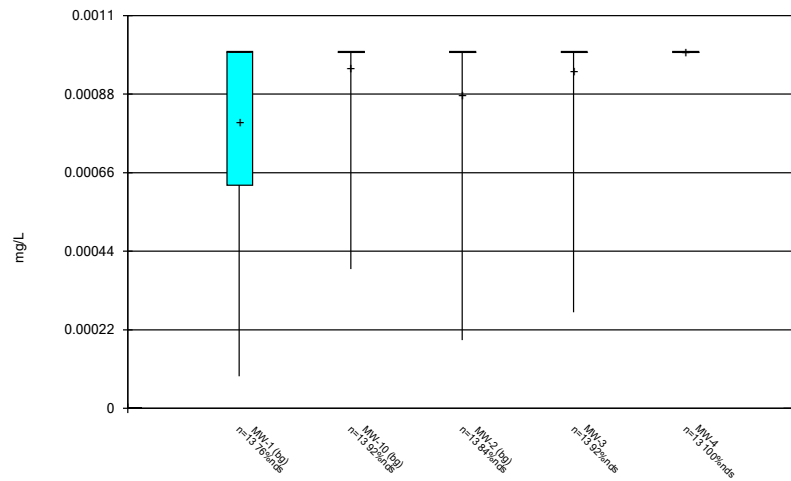
Constituent: Sulfate Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



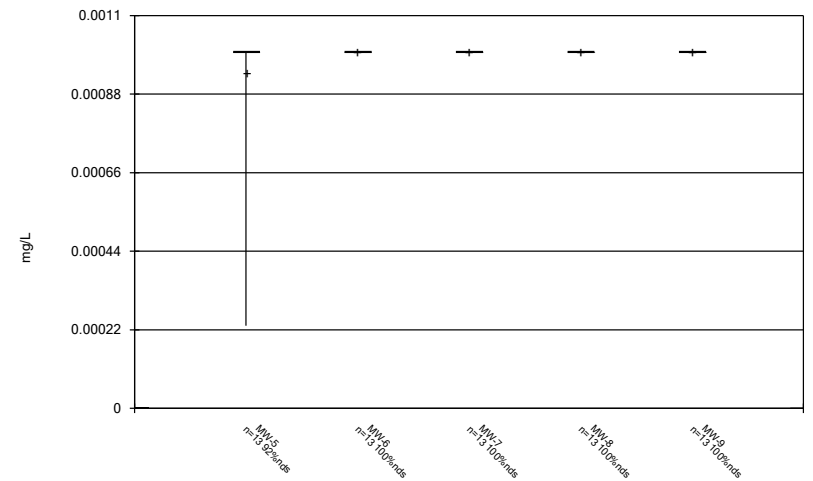
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



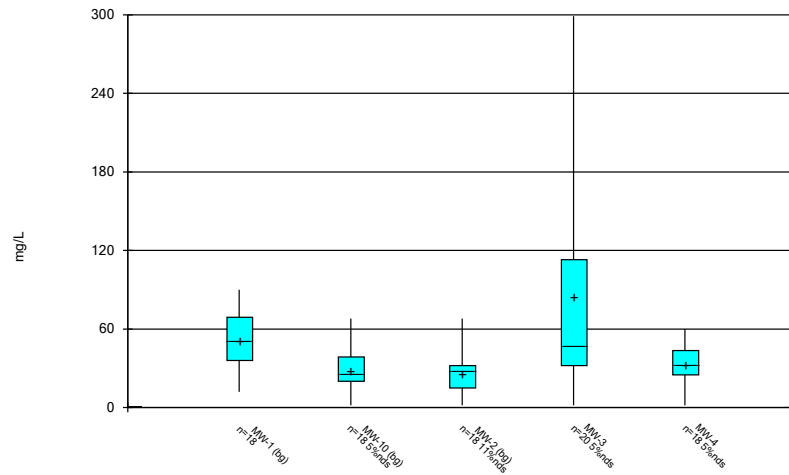
Constituent: Thallium Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



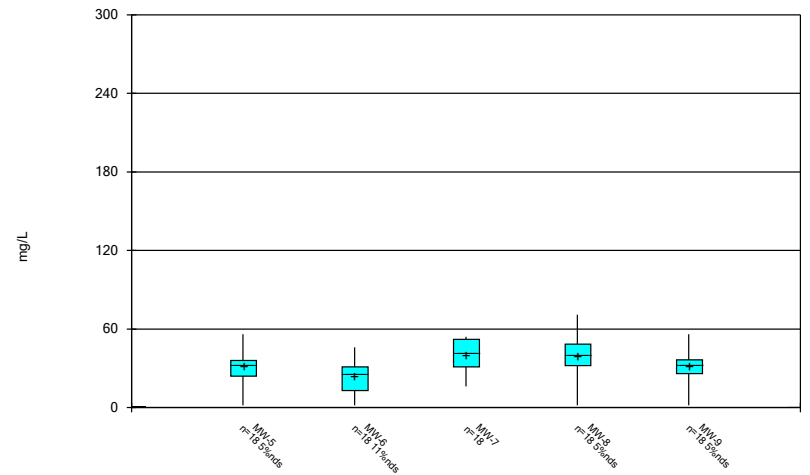
Constituent: Thallium Analysis Run 5/10/2022 3:43 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:43 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Analysis

Outlier Summary

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:48 PM

	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)

Tukey's Outlier Test - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:35 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Chloride (mg/L)	MW-3	Yes	25	11/7/2018	NP	NaN	17	10.74	3.771	In(x)	ShapiroWilk
Chloride (mg/L)	MW-6	Yes	3.4,10.5	11/16/2016,10/6/2021	NP	NaN	17	6.885	1.378	normal	ShapiroWilk
pH (SU)	MW-7	Yes	5.16	7/11/2016	NP	NaN	18	4.509	0.1949	In(x)	ShapiroWilk
pH (SU)	MW-8	Yes	7.14	5/23/2017	NP	NaN	18	4.802	0.599	In(x)	ShapiroWilk

Tukey's Outlier Test - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:35 PM

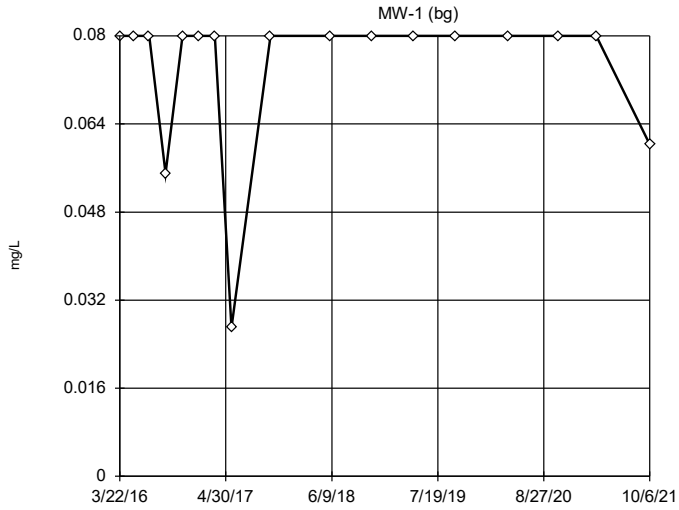
Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Boron (mg/L)	MW-1 (bg)	n/a	n/a	n/a	NP	NaN	17	0.07425	0.01428	unknown	ShapiroWilk
Boron (mg/L)	MW-10 (bg)	No	n/a	n/a	NP	NaN	17	0.06806	0.02273	sqrt(x)	ShapiroWilk
Boron (mg/L)	MW-2 (bg)	n/a	n/a	n/a	NP	NaN	17	0.07522	0.01275	unknown	ShapiroWilk
Boron (mg/L)	MW-3	No	n/a	n/a	NP	NaN	18	0.06821	0.03426	ln(x)	ShapiroWilk
Boron (mg/L)	MW-4	n/a	n/a	n/a	NP	NaN	17	0.08	0	unknown	ShapiroWilk
Boron (mg/L)	MW-5	n/a	n/a	n/a	NP	NaN	17	0.08	0	unknown	ShapiroWilk
Boron (mg/L)	MW-6	n/a	n/a	n/a	NP	NaN	17	0.08	0	unknown	ShapiroWilk
Boron (mg/L)	MW-7	n/a	n/a	n/a	NP	NaN	18	0.07701	0.009338	unknown	ShapiroWilk
Boron (mg/L)	MW-8	n/a	n/a	n/a	NP	NaN	17	0.07814	0.007664	unknown	ShapiroWilk
Boron (mg/L)	MW-9	n/a	n/a	n/a	NP	NaN	17	0.07462	0.01571	unknown	ShapiroWilk
Calcium (mg/L)	MW-1 (bg)	No	n/a	n/a	NP	NaN	18	4.599	1.506	ln(x)	ShapiroWilk
Calcium (mg/L)	MW-10 (bg)	No	n/a	n/a	NP	NaN	18	1.03	0.6737	ln(x)	ShapiroWilk
Calcium (mg/L)	MW-2 (bg)	No	n/a	n/a	NP	NaN	19	0.932	0.1632	normal	ShapiroWilk
Calcium (mg/L)	MW-3	No	n/a	n/a	NP	NaN	20	14.71	21.28	ln(x)	ShapiroWilk
Calcium (mg/L)	MW-4	No	n/a	n/a	NP	NaN	18	1.786	0.2723	x^2	ShapiroWilk
Calcium (mg/L)	MW-5	No	n/a	n/a	NP	NaN	18	1.909	0.237	x^2	ShapiroWilk
Calcium (mg/L)	MW-6	No	n/a	n/a	NP	NaN	18	1.219	0.1643	ln(x)	ShapiroWilk
Calcium (mg/L)	MW-7	No	n/a	n/a	NP	NaN	18	1.641	0.3837	normal	ShapiroWilk
Calcium (mg/L)	MW-8	No	n/a	n/a	NP	NaN	19	2.392	0.5473	ln(x)	ShapiroWilk
Calcium (mg/L)	MW-9	No	n/a	n/a	NP	NaN	19	0.9727	0.1426	ln(x)	ShapiroWilk
Chloride (mg/L)	MW-1 (bg)	No	n/a	n/a	NP	NaN	17	5.716	3.201	x^2	ShapiroWilk
Chloride (mg/L)	MW-10 (bg)	No	n/a	n/a	NP	NaN	17	5.278	1.259	ln(x)	ShapiroWilk
Chloride (mg/L)	MW-2 (bg)	No	n/a	n/a	NP	NaN	17	8.149	0.9926	sqrt(x)	ShapiroWilk
Chloride (mg/L)	MW-3	Yes	25	11/7/2018	NP	NaN	17	10.74	3.771	ln(x)	ShapiroWilk
Chloride (mg/L)	MW-4	No	n/a	n/a	NP	NaN	17	7.669	0.9736	ln(x)	ShapiroWilk
Chloride (mg/L)	MW-5	No	n/a	n/a	NP	NaN	17	7.845	1.472	normal	ShapiroWilk
Chloride (mg/L)	MW-6	Yes	3.4,10.5	11/16/2016,10/6/2021	NP	NaN	17	6.885	1.378	normal	ShapiroWilk
Chloride (mg/L)	MW-7	No	n/a	n/a	NP	NaN	17	13.13	3.199	x^5	ShapiroWilk
Chloride (mg/L)	MW-8	No	n/a	n/a	NP	NaN	18	9.243	1.274	ln(x)	ShapiroWilk
Chloride (mg/L)	MW-9	No	n/a	n/a	NP	NaN	18	7.933	1.536	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-1 (bg)	No	n/a	n/a	NP	NaN	18	0.08333	0.02765	normal	ShapiroWilk
Fluoride (mg/L)	MW-10 (bg)	n/a	n/a	n/a	NP	NaN	18	0.09593	0.01728	unknown	ShapiroWilk
Fluoride (mg/L)	MW-2 (bg)	n/a	n/a	n/a	NP	NaN	18	0.09187	0.02367	unknown	ShapiroWilk
Fluoride (mg/L)	MW-3	No	n/a	n/a	NP	NaN	20	0.104	0.0807	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-4	n/a	n/a	n/a	NP	NaN	18	0.1	0	unknown	ShapiroWilk
Fluoride (mg/L)	MW-5	n/a	n/a	n/a	NP	NaN	18	0.1	0	unknown	ShapiroWilk
Fluoride (mg/L)	MW-6	n/a	n/a	n/a	NP	NaN	18	0.09336	0.01963	unknown	ShapiroWilk
Fluoride (mg/L)	MW-7	No	n/a	n/a	NP	NaN	18	0.08215	0.02976	ln(x)	ShapiroWilk
Fluoride (mg/L)	MW-8	n/a	n/a	n/a	NP	NaN	18	0.09297	0.02069	unknown	ShapiroWilk
Fluoride (mg/L)	MW-9	n/a	n/a	n/a	NP	NaN	18	0.09618	0.01619	unknown	ShapiroWilk
pH (SU)	MW-1 (bg)	No	n/a	n/a	NP	NaN	27	5.088	0.3167	ln(x)	ShapiroWilk
pH (SU)	MW-10 (bg)	No	n/a	n/a	NP	NaN	18	5.038	0.1618	ln(x)	ShapiroWilk
pH (SU)	MW-2 (bg)	No	n/a	n/a	NP	NaN	27	5.002	0.2612	ln(x)	ShapiroWilk
pH (SU)	MW-3	No	n/a	n/a	NP	NaN	27	4.495	0.1441	ln(x)	ShapiroWilk
pH (SU)	MW-4	No	n/a	n/a	NP	NaN	27	4.877	0.1084	ln(x)	ShapiroWilk
pH (SU)	MW-5	No	n/a	n/a	NP	NaN	18	4.819	0.1199	ln(x)	ShapiroWilk
pH (SU)	MW-6	No	n/a	n/a	NP	NaN	18	4.666	0.07694	x^6	ShapiroWilk
pH (SU)	MW-7	Yes	5.16	7/11/2016	NP	NaN	18	4.509	0.1949	ln(x)	ShapiroWilk
pH (SU)	MW-8	Yes	7.14	5/23/2017	NP	NaN	18	4.802	0.599	ln(x)	ShapiroWilk
pH (SU)	MW-9	No	n/a	n/a	NP	NaN	18	4.904	0.06661	ln(x)	ShapiroWilk

Tukey's Outlier Test - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:35 PM

Constituent	Well	Outlier	Value(s)	Date(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Sulfate (mg/L)	MW-1 (bg)	No	n/a	n/a	NP	NaN	30	6.468	2.92	normal	ShapiroWilk
Sulfate (mg/L)	MW-10 (bg)	n/a	n/a	n/a	NP	NaN	17	1.033	0.3535	unknown	ShapiroWilk
Sulfate (mg/L)	MW-2 (bg)	n/a	n/a	n/a	NP	NaN	27	1.03	0.46	unknown	ShapiroWilk
Sulfate (mg/L)	MW-3	No	n/a	n/a	NP	NaN	29	24.05	50.35	ln(x)	ShapiroWilk
Sulfate (mg/L)	MW-4	No	n/a	n/a	NP	NaN	27	4.069	1.401	ln(x)	ShapiroWilk
Sulfate (mg/L)	MW-5	No	n/a	n/a	NP	NaN	17	4.413	0.8981	normal	ShapiroWilk
Sulfate (mg/L)	MW-6	No	n/a	n/a	NP	NaN	17	2.444	1.113	ln(x)	ShapiroWilk
Sulfate (mg/L)	MW-7	n/a	n/a	n/a	NP	NaN	17	1.001	0.1982	unknown	ShapiroWilk
Sulfate (mg/L)	MW-8	n/a	n/a	n/a	NP	NaN	17	1.193	0.7652	unknown	ShapiroWilk
Sulfate (mg/L)	MW-9	No	n/a	n/a	NP	NaN	17	1.528	0.642	ln(x)	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-1 (bg)	No	n/a	n/a	NP	NaN	17	52	22.48	normal	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-10 (bg)	No	n/a	n/a	NP	NaN	17	28.09	15.09	sqrt(x)	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-2 (bg)	No	n/a	n/a	NP	NaN	17	25.49	15.75	normal	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-3	No	n/a	n/a	NP	NaN	19	87.35	85.25	x^(1/3)	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-4	No	n/a	n/a	NP	NaN	17	33.09	13.93	normal	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-5	No	n/a	n/a	NP	NaN	17	32.1	11.91	normal	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-6	No	n/a	n/a	NP	NaN	17	24.08	12.56	normal	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-7	No	n/a	n/a	NP	NaN	17	39.06	11.86	normal	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-8	No	n/a	n/a	NP	NaN	17	40.38	16.31	normal	ShapiroWilk
Total Dissolved Solids (mg/L)	MW-9	No	n/a	n/a	NP	NaN	17	30.44	10.85	x^2	ShapiroWilk

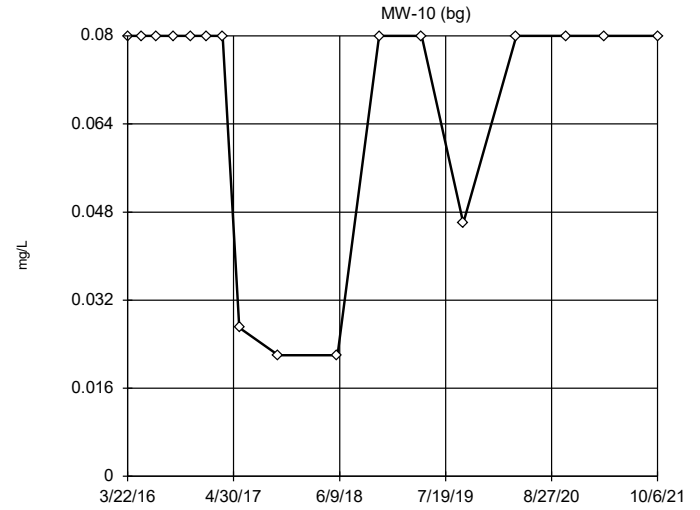
Tukey's Outlier Screening



n = 17
 No outliers found. Tukey's method selected by user.
 Data were cube transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

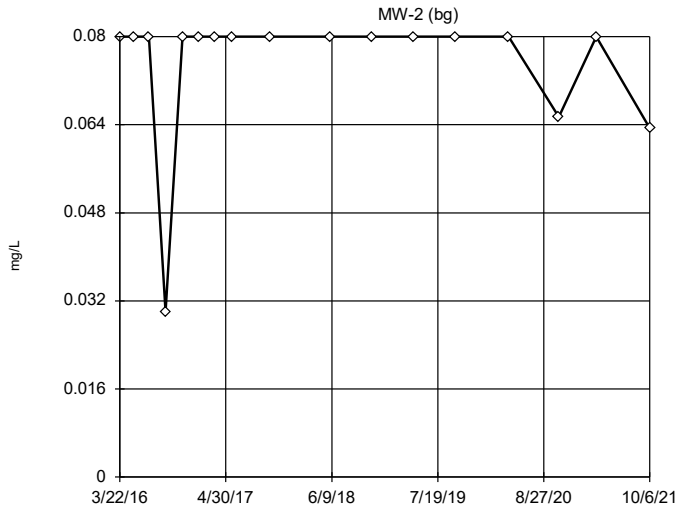
Tukey's Outlier Screening



n = 17
 No outliers found. Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.1485, low cutoff = 0.02135, based on IQR multiplier of 3.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

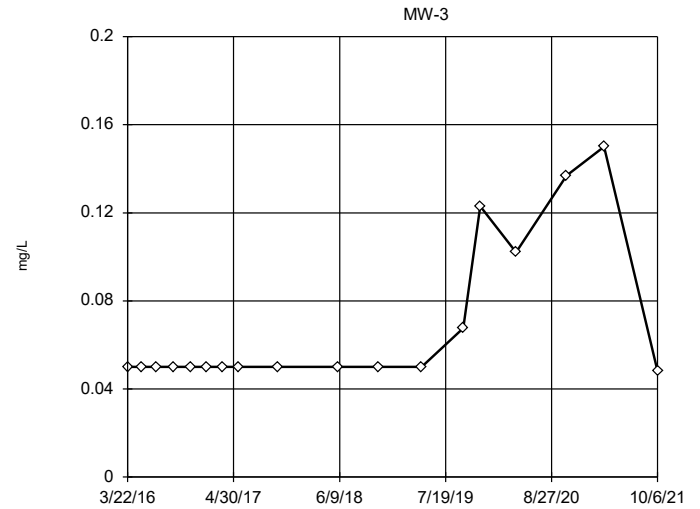
Tukey's Outlier Screening



n = 17
 No outliers found. Tukey's method selected by user.
 Data were x*5 transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

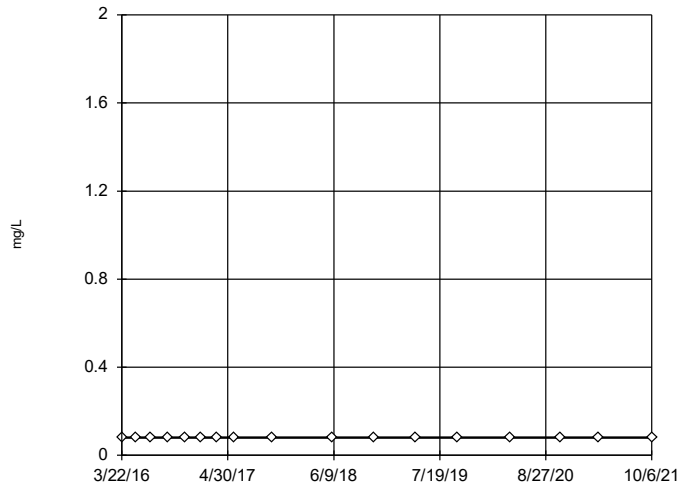
Tukey's Outlier Screening



n = 18
 No outliers found. Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.3815, low cutoff = 0.01089, based on IQR multiplier of 3.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

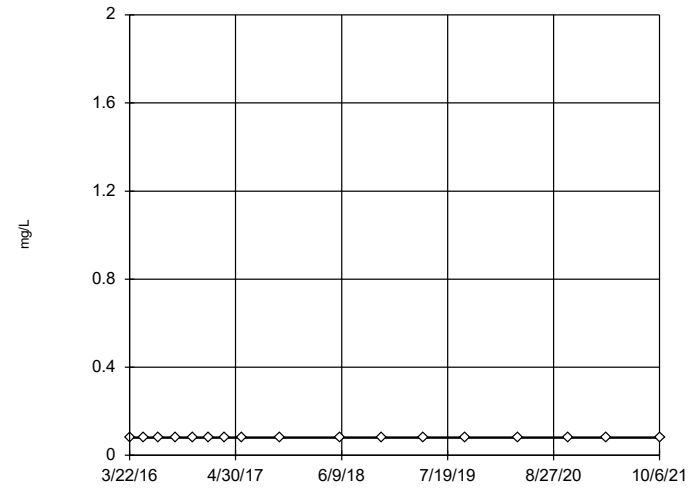
Tukey's Outlier Screening MW-4



n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

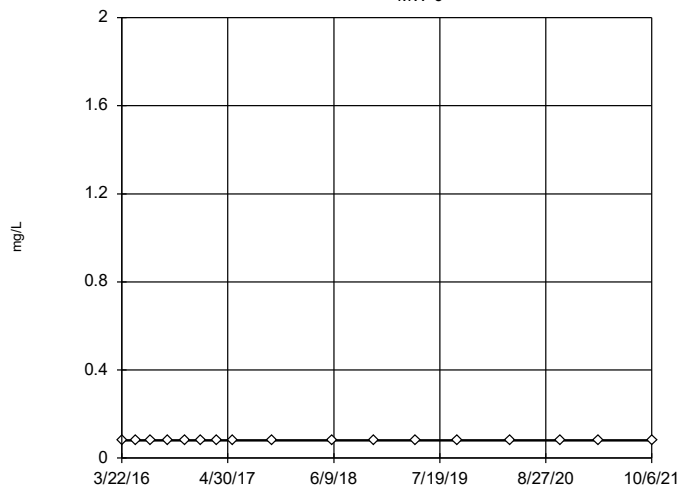
Tukey's Outlier Screening MW-5



n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

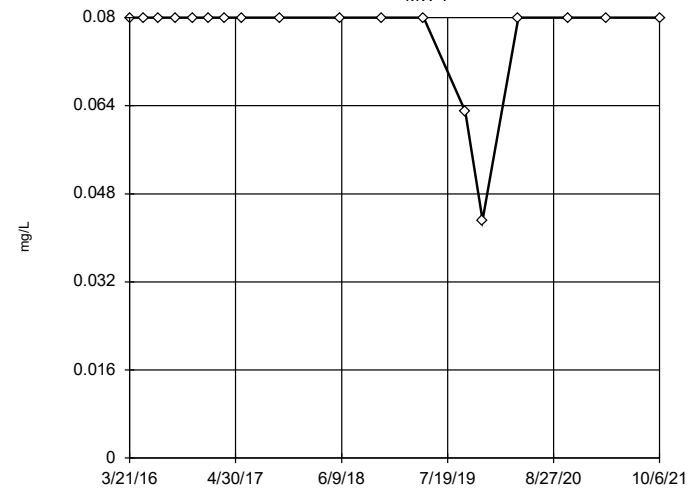
Tukey's Outlier Screening MW-6



n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

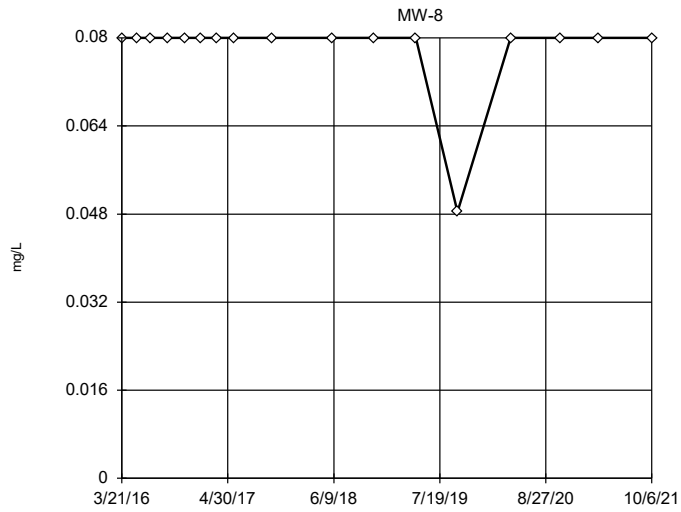
Tukey's Outlier Screening MW-7



n = 18
 No outliers found.
 Tukey's method selected by user.
 Data were x⁴ transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

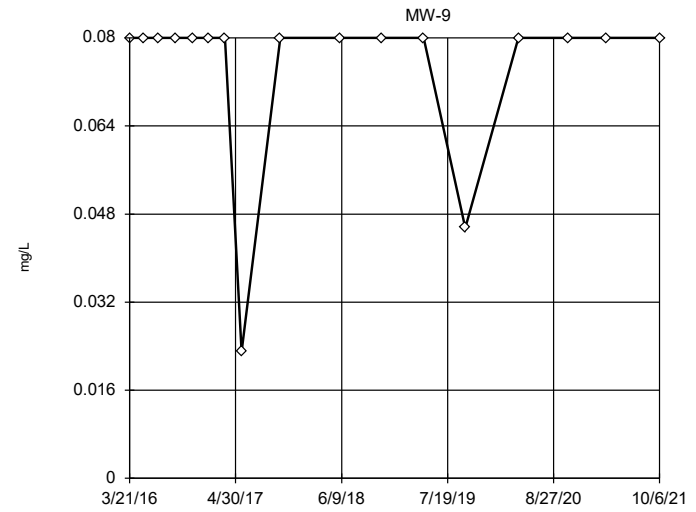
Tukey's Outlier Screening



n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were x⁵ transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

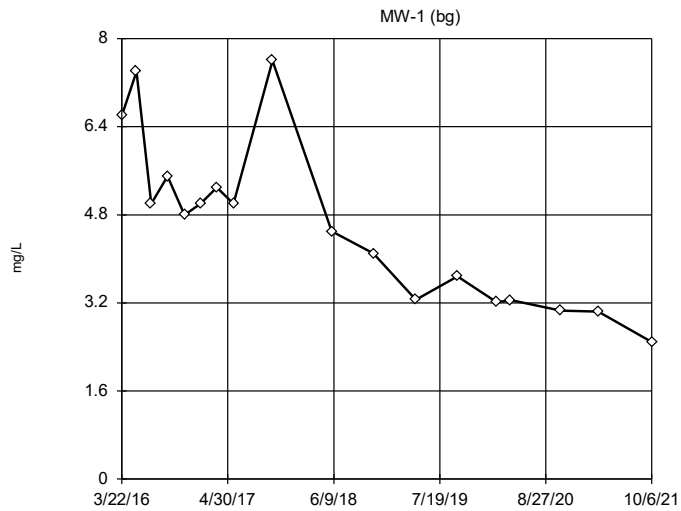
Tukey's Outlier Screening



n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were square transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

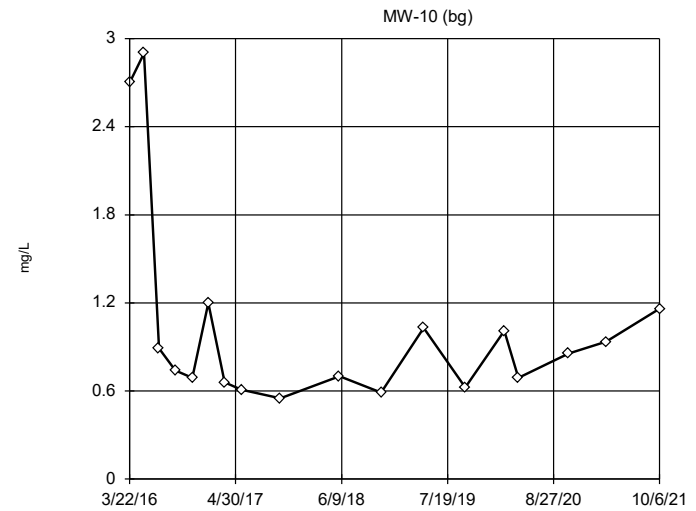
Tukey's Outlier Screening



n = 18
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 25.22, low cutoff = 0.6915, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

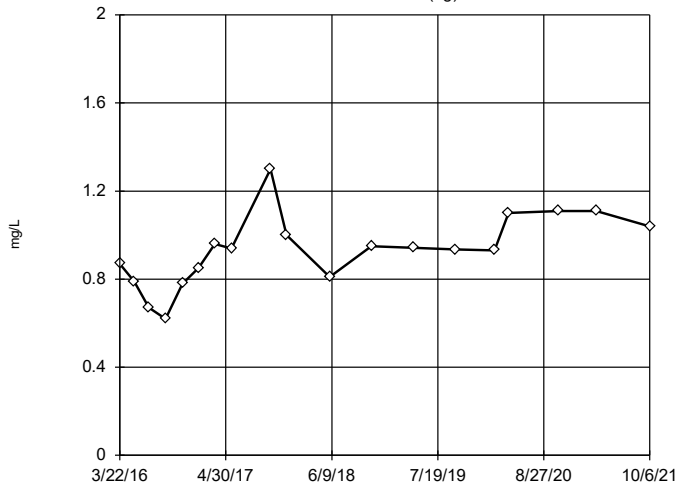
Tukey's Outlier Screening



n = 18
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.388, low cutoff = 0.1303, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

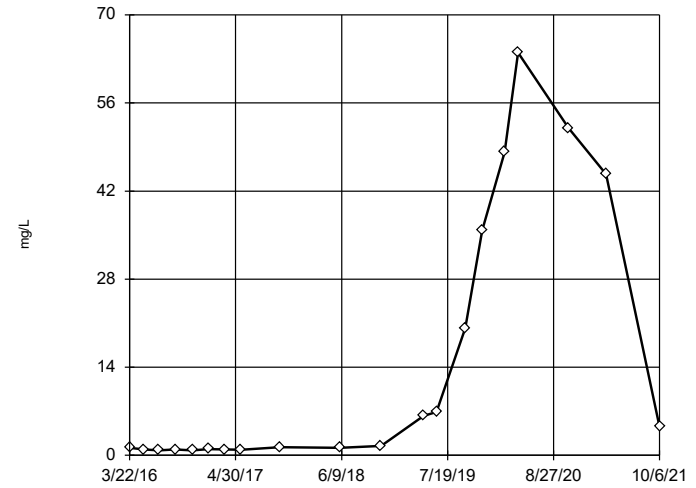
Tukey's Outlier Screening
MW-2 (bg)



n = 19
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 1.73, low cutoff = 0.12, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

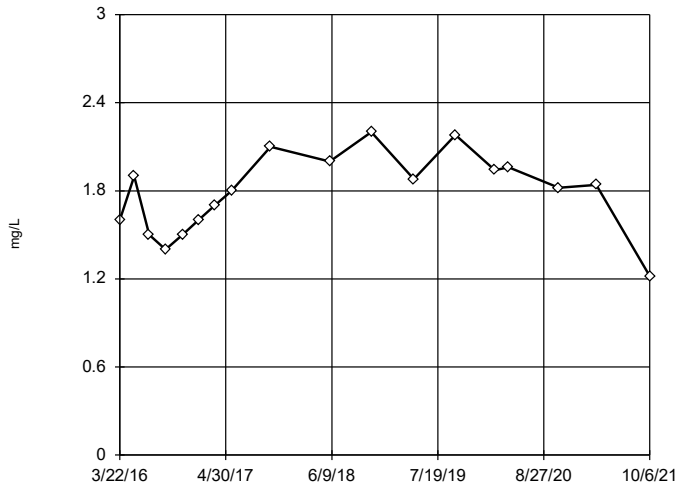
Tukey's Outlier Screening
MW-3



n = 20
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 650272, low cutoff = 0.0003846, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

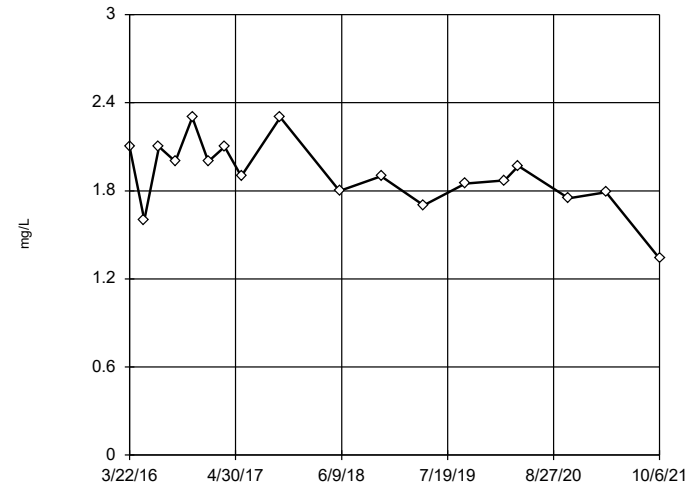
Tukey's Outlier Screening
MW-4



n = 18
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
High cutoff = 2.91, low cutoff = -1.464, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

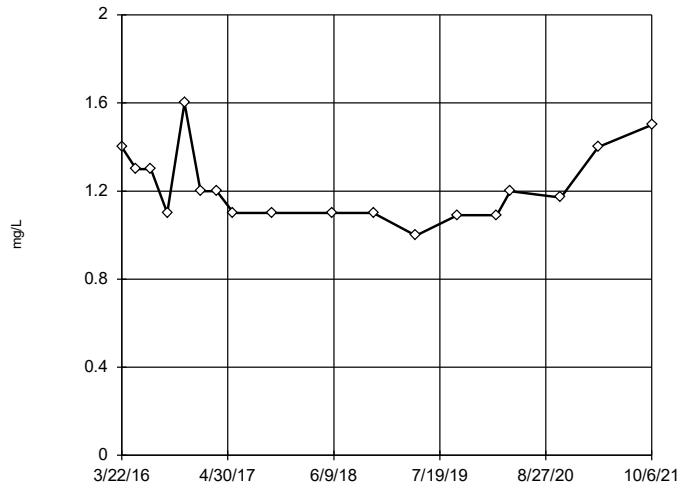
Tukey's Outlier Screening
MW-5



n = 18
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
High cutoff = 2.871, low cutoff = -0.8347, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

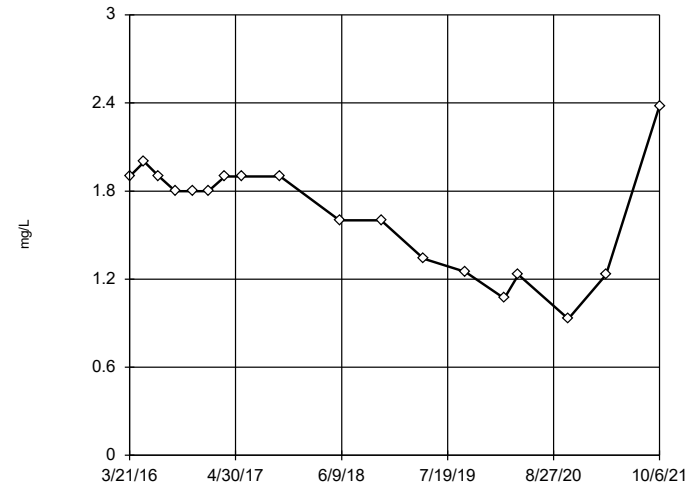
Tukey's Outlier Screening
MW-6



n = 18
No outliers found.
Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 2.489, low cutoff = 0.5963, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

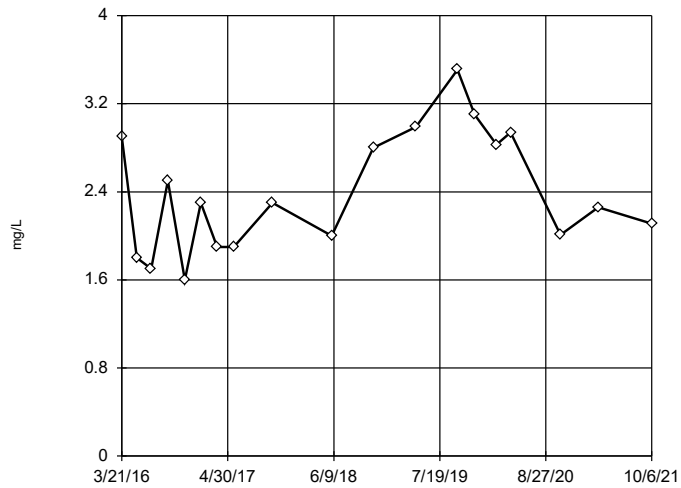
Tukey's Outlier Screening
MW-7



n = 18
No outliers found.
Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 3.88, low cutoff = -0.74, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

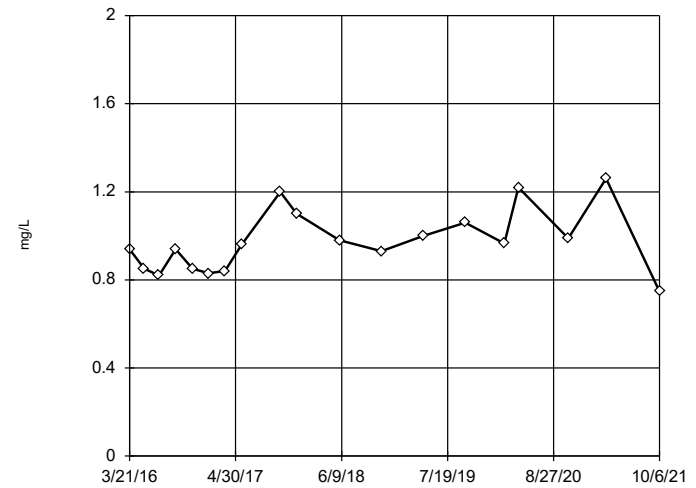
Tukey's Outlier Screening
MW-8



n = 19
No outliers found.
Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 10.31, low cutoff = 0.5343, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening
MW-9

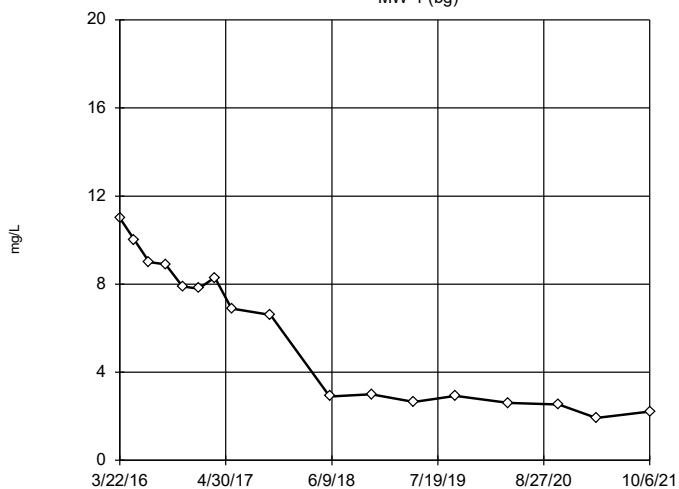


n = 19
No outliers found.
Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 2.056, low cutoff = 0.4383, based on IQR multiplier of 3.

Constituent: Calcium Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-1 (bg)



n = 17

No outliers found. Tukey's method selected by user.

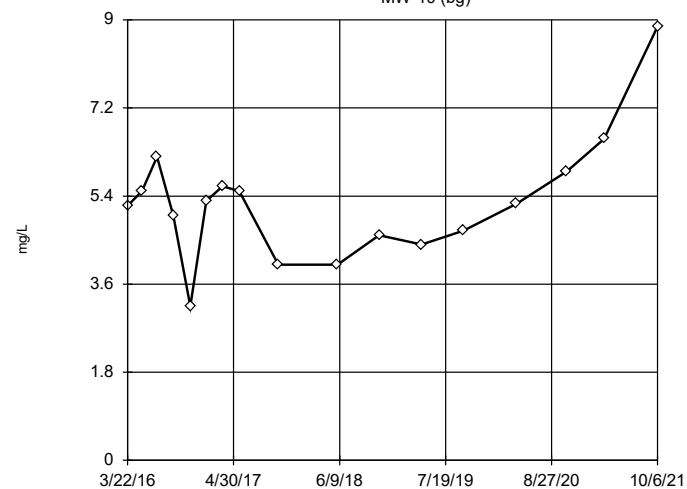
Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 16.6, low cutoff = -13.95, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-10 (bg)



n = 17

No outliers found. Tukey's method selected by user.

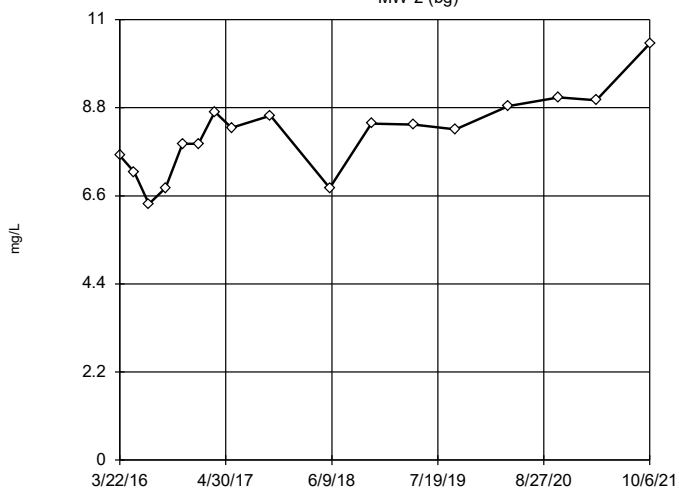
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 11.95, low cutoff = 2.167, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-2 (bg)



n = 17

No outliers found. Tukey's method selected by user.

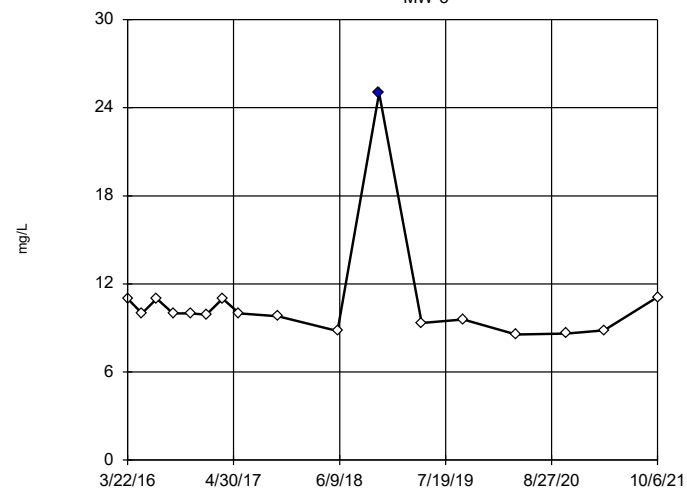
Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 13.58, low cutoff = 3.984, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-3



n = 17

Outlier is drawn as solid. Tukey's method selected by user.

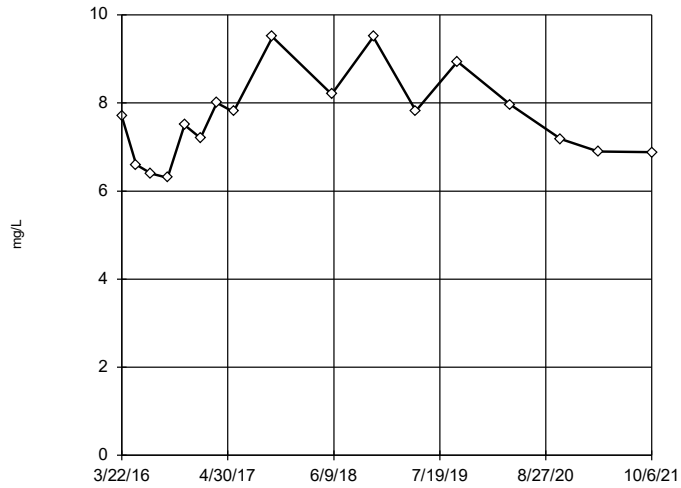
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 19.55, low cutoff = 5.11, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-4

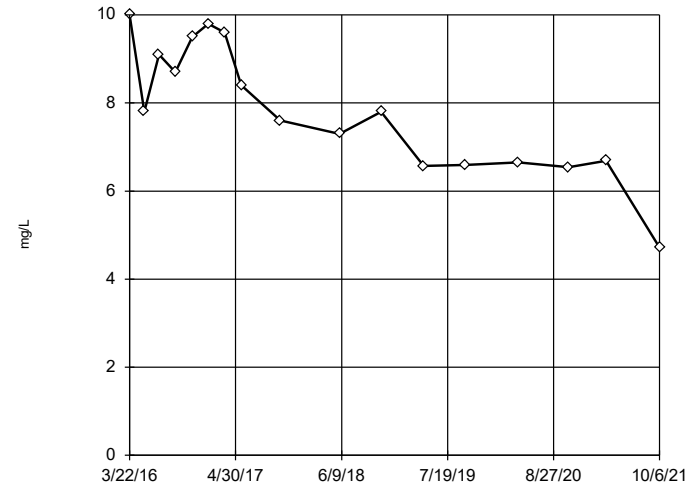


n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 13.16, low cutoff = 4.241, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-5

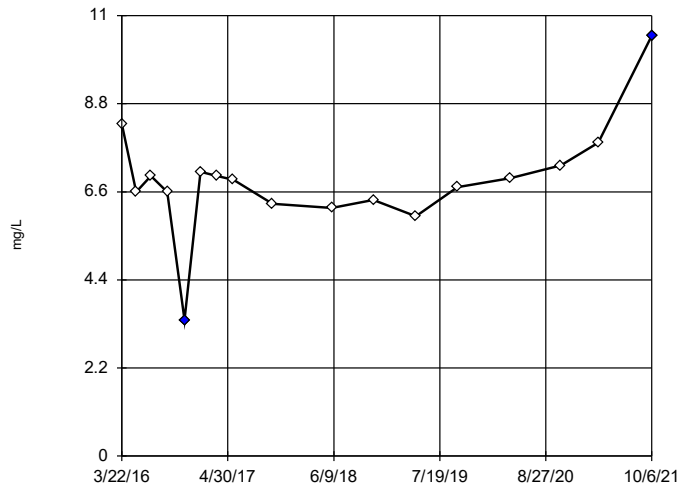


n = 17
 No outliers found.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 High cutoff = 17.34, low cutoff = -1.42, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-6

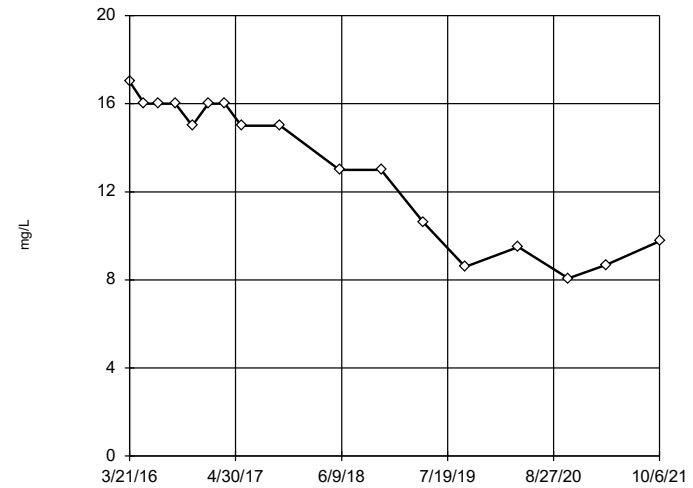


n = 17
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 High cutoff = 9.67, low cutoff = 3.96, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-7

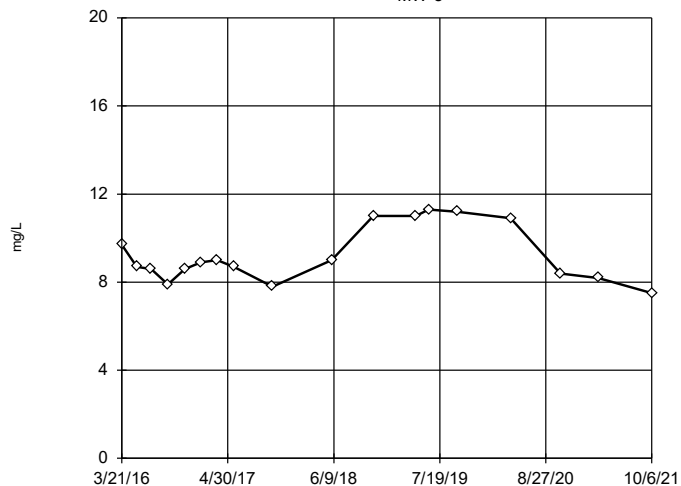


n = 17
 No outliers found.
 Tukey's method selected by user.
 Data were x^5 transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 20.86, low cutoff = -19.49, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-8



n = 18

No outliers found. Tukey's method selected by user.

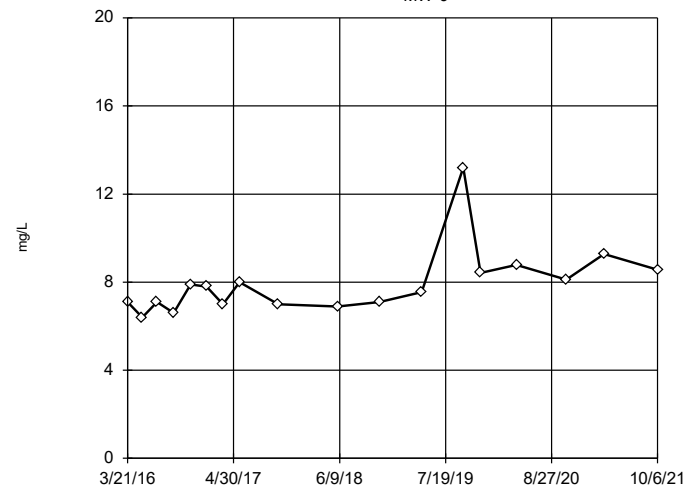
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 25.24, low cutoff = 3.596, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-9



n = 18

No outliers found. Tukey's method selected by user.

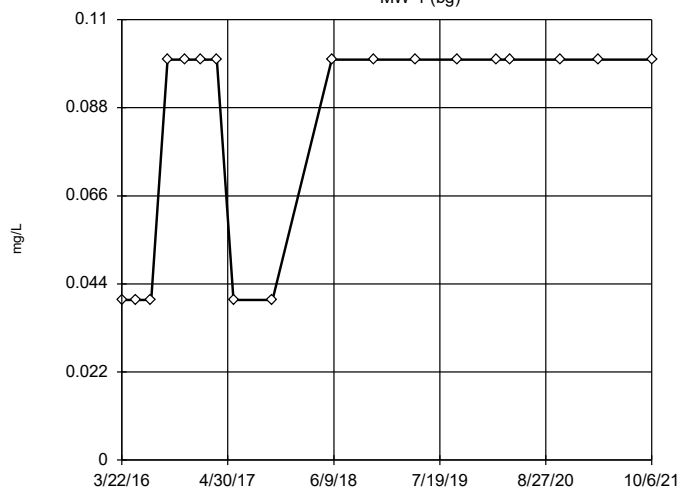
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 15.15, low cutoff = 3.924, based on IQR multiplier of 3.

Constituent: Chloride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-1 (bg)



n = 18

No outliers found. Tukey's method selected by user.

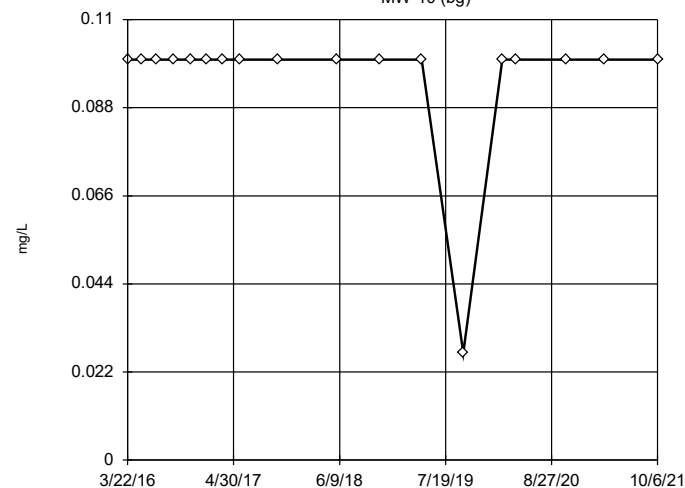
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.28, low cutoff = -0.14, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-10 (bg)



n = 18

No outliers found. Tukey's method selected by user.

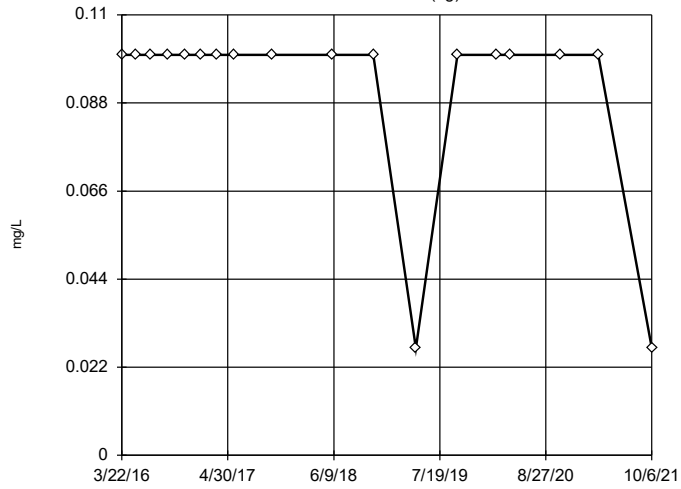
Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-2 (bg)

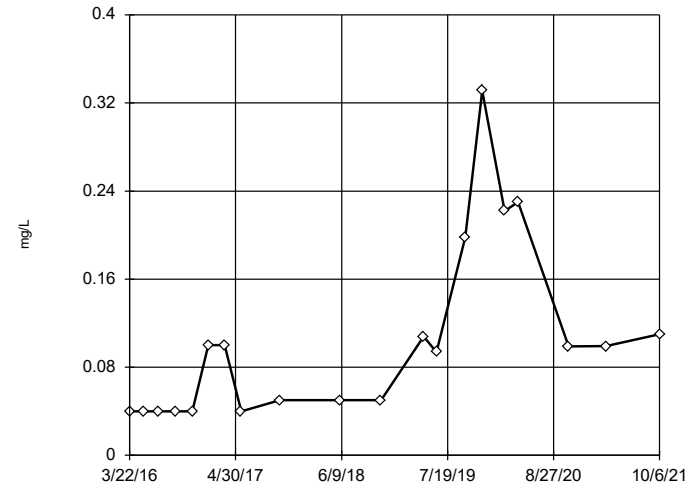


n = 18
 No outliers found. Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-3

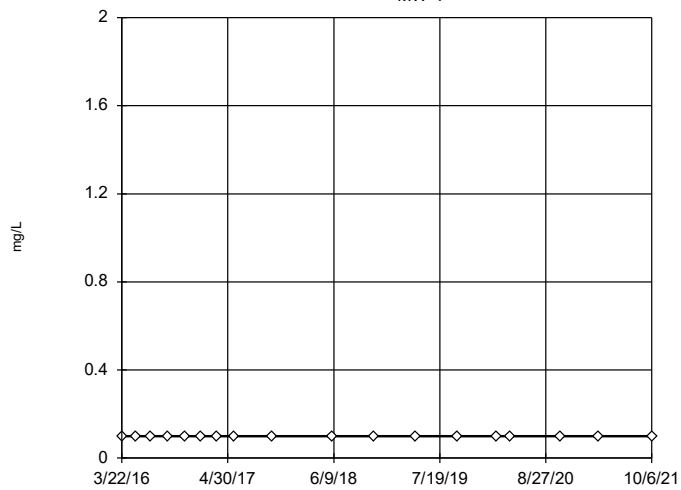


n = 20
 No outliers found. Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 2.205, low cutoff = 0.001977, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-4

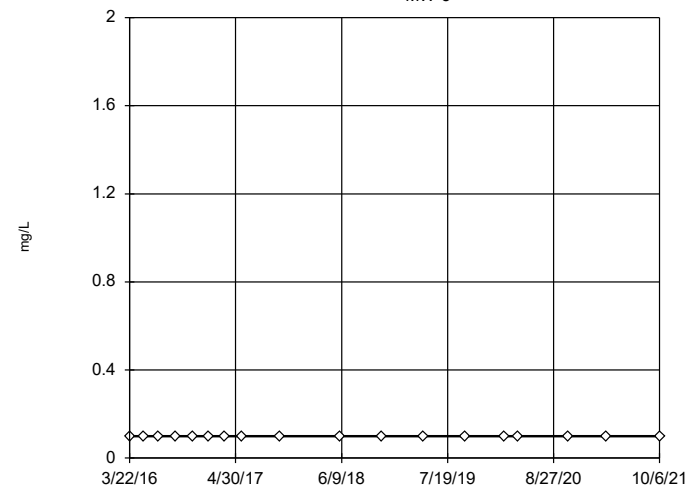


n = 18
 No outliers found. Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

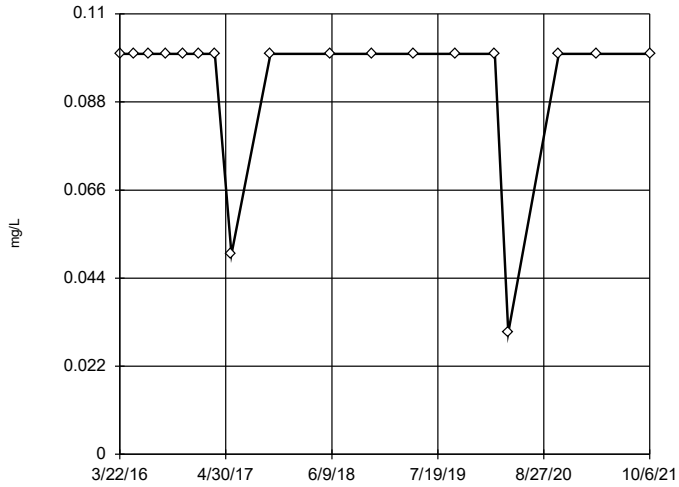
MW-5



n = 18
 No outliers found. Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

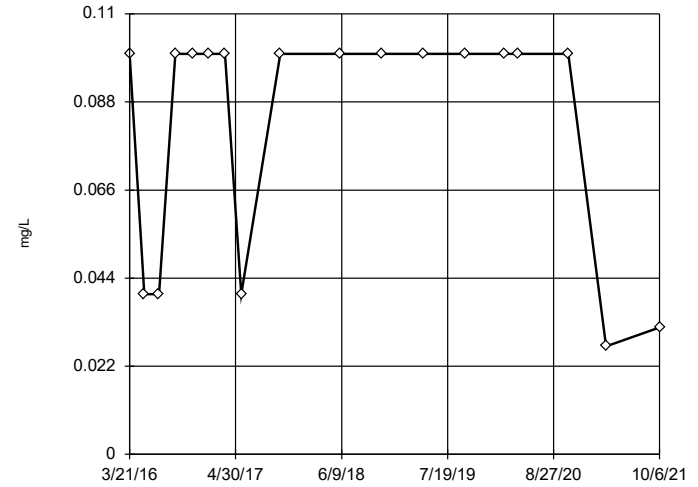
Tukey's Outlier Screening MW-6



n = 18
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

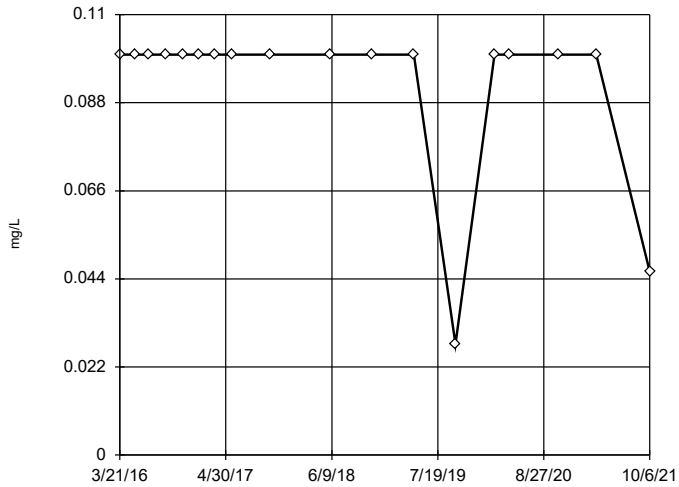
Tukey's Outlier Screening MW-7



n = 18
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 1.563, low cutoff = 0.00256, based on IQR multiplier of 3.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

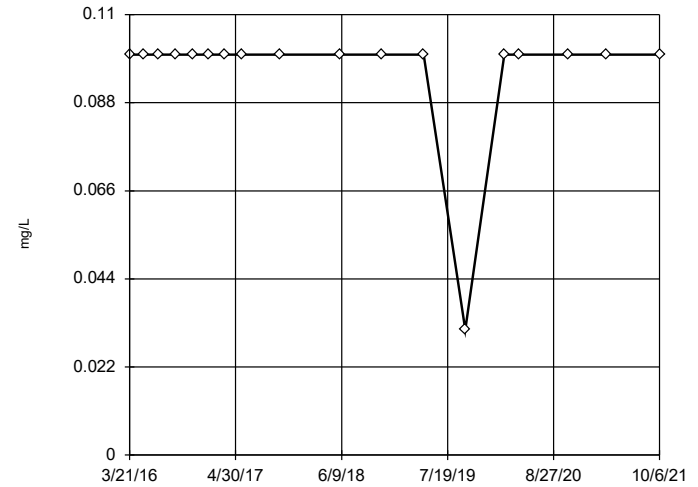
Tukey's Outlier Screening MW-8



n = 18
No outliers found. Tukey's method selected by user.
Data were square root transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening MW-9

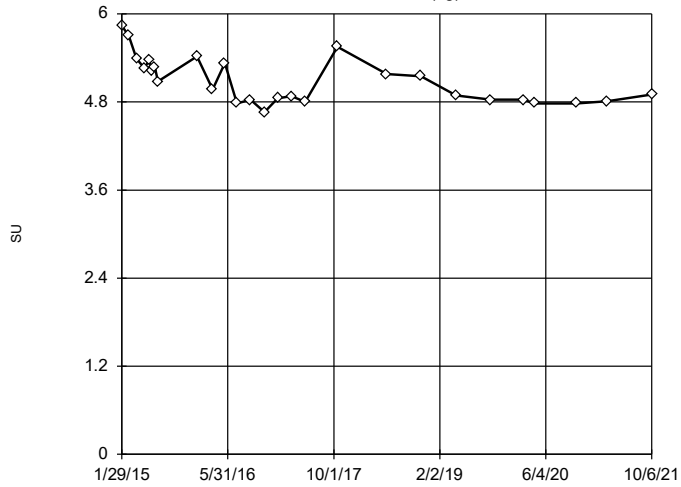


n = 18
No outliers found. Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-1 (bg)

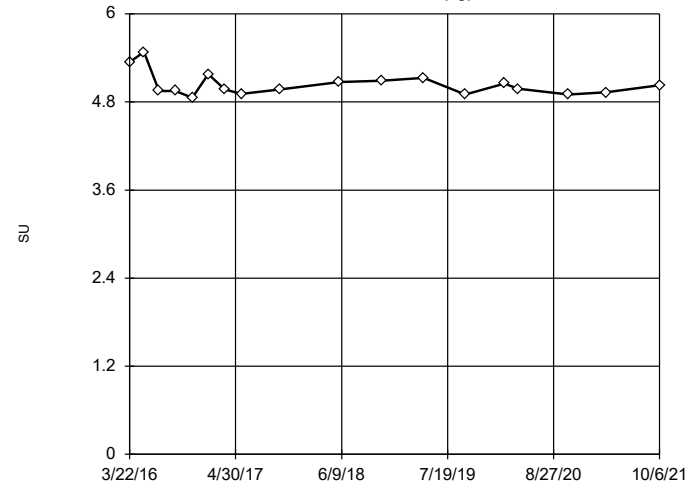


n = 27
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 7.163, low cutoff = 3.594, based on IQR multiplier of 3.

Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-10 (bg)

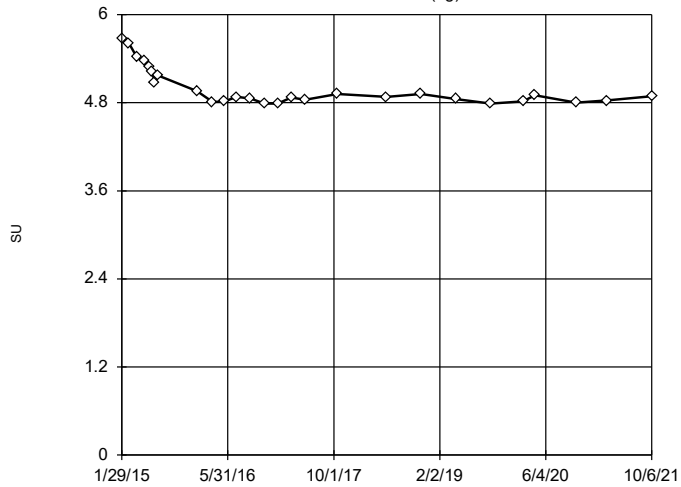


n = 18
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.725, low cutoff = 4.391, based on IQR multiplier of 3.

Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

MW-2 (bg)

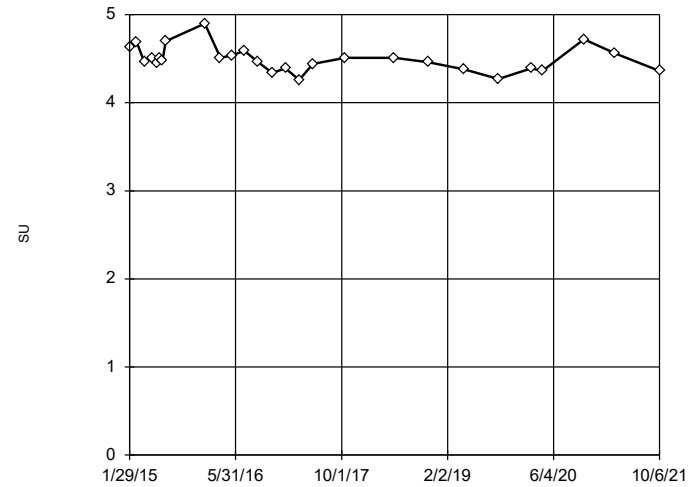


n = 27
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 6.38, low cutoff = 3.906, based on IQR multiplier of 3.

Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening

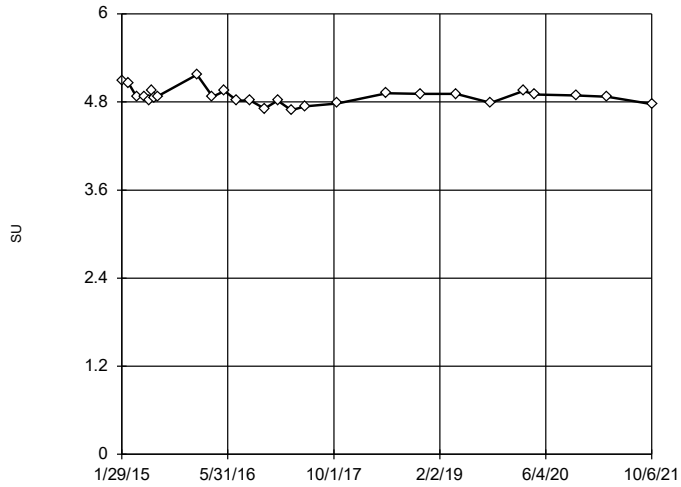
MW-3



n = 27
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.111, low cutoff = 3.917, based on IQR multiplier of 3.

Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

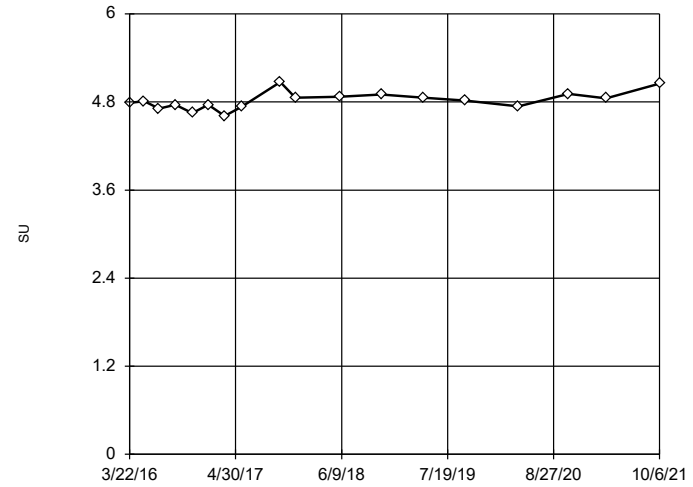
Tukey's Outlier Screening MW-4



n = 27
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.233, low cutoff = 4.532, based on IQR multiplier of 3.

Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

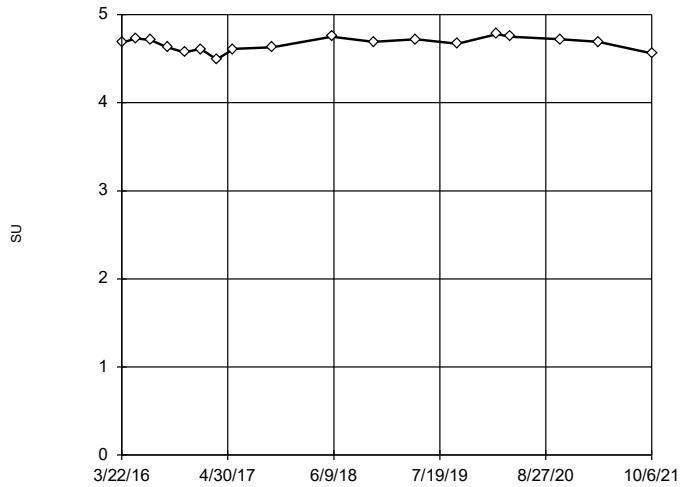
Tukey's Outlier Screening MW-5



n = 18
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.364, low cutoff = 4.312, based on IQR multiplier of 3.

Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

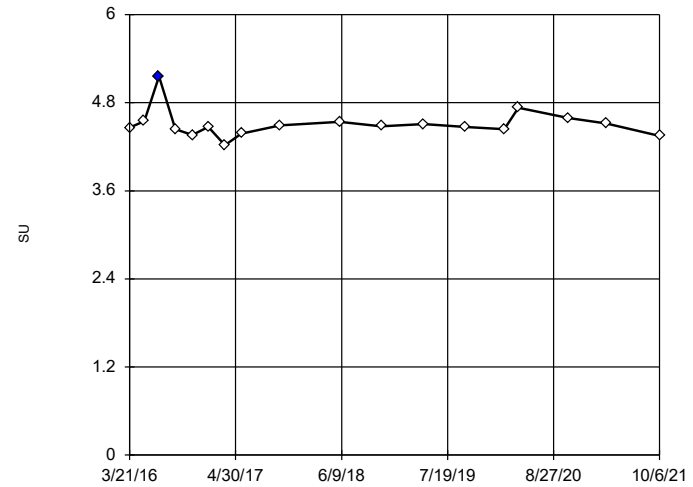
Tukey's Outlier Screening MW-6



n = 18
 No outliers found.
 Tukey's method selected by user.
 Data were x*6 transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.005, low cutoff = 4.137, based on IQR multiplier of 3.

Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

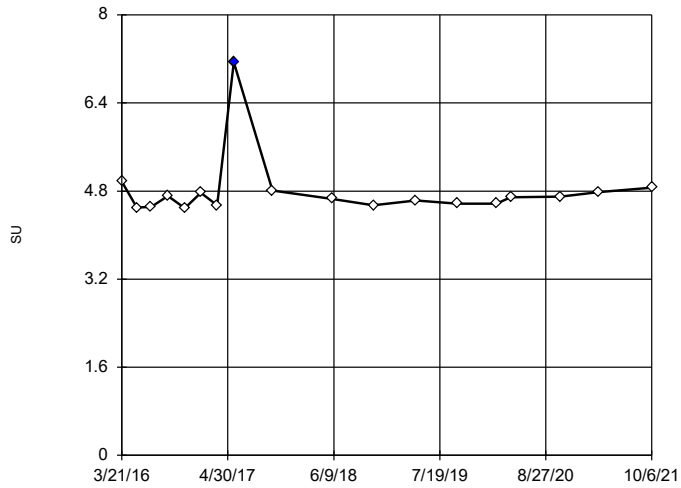
Tukey's Outlier Screening MW-7



n = 18
 Outlier is drawn as solid.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 4.976, low cutoff = 4.028, based on IQR multiplier of 3.

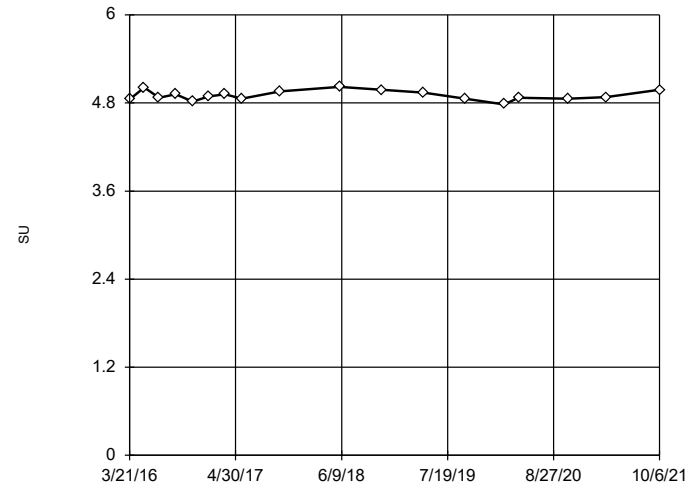
Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening MW-8



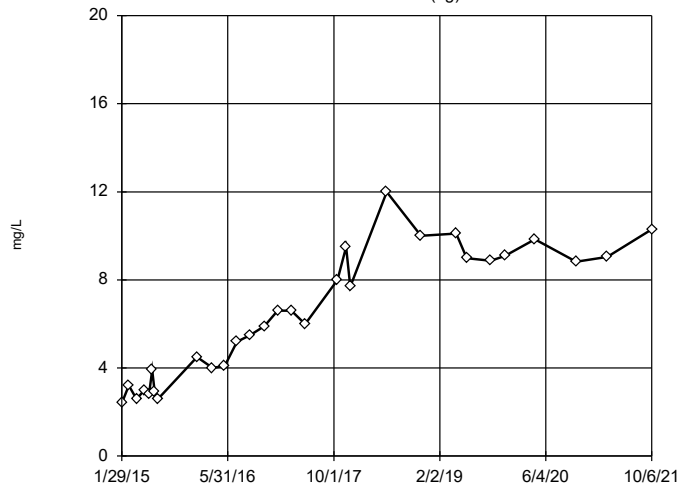
Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening MW-9



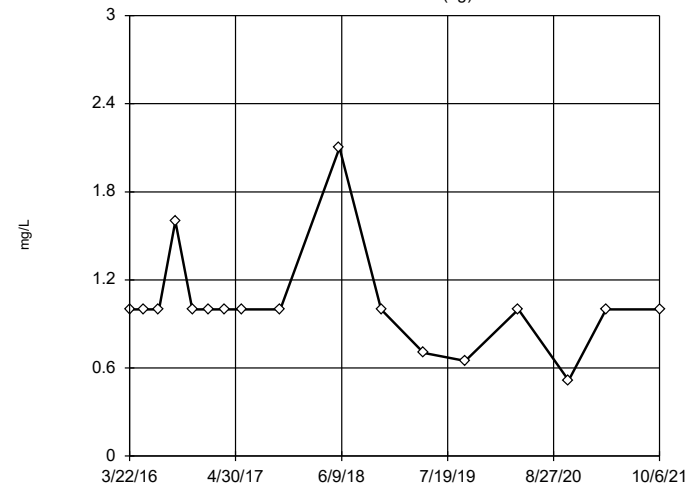
Constituent: pH Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening MW-1 (bg)



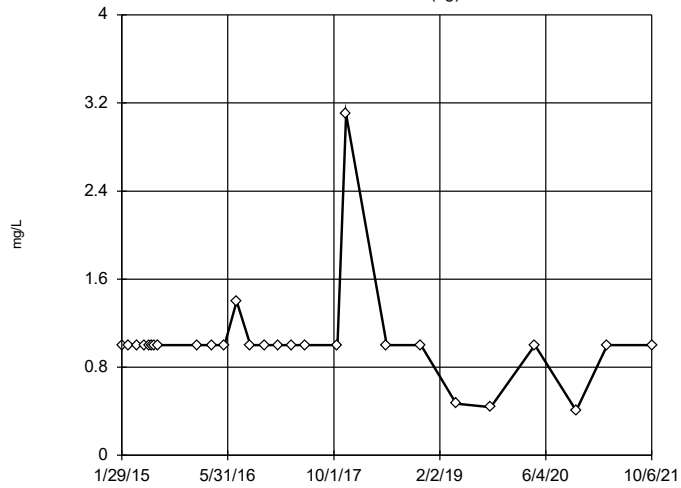
Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening MW-10 (bg)



Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

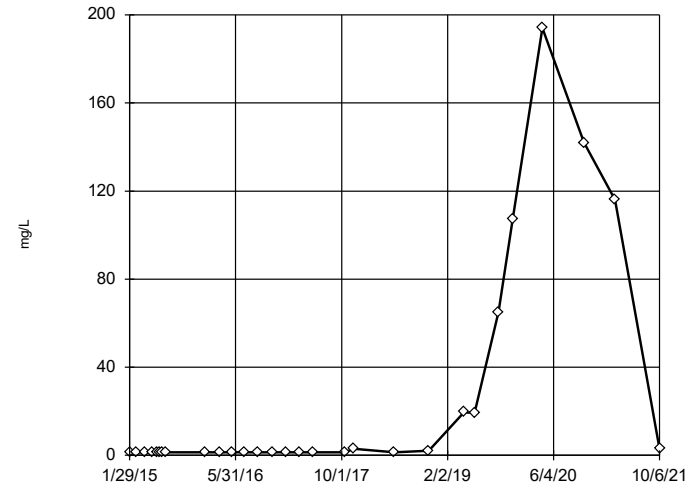
Tukey's Outlier Screening MW-2 (bg)



n = 27
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

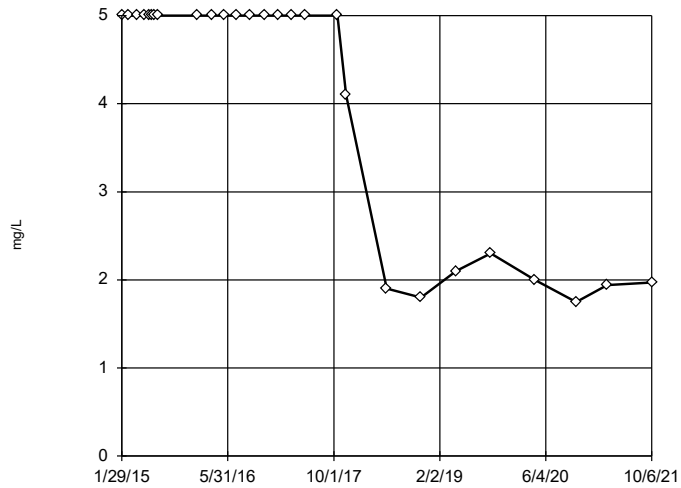
Tukey's Outlier Screening MW-3



n = 29
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 1153, low cutoff = 0.009105, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

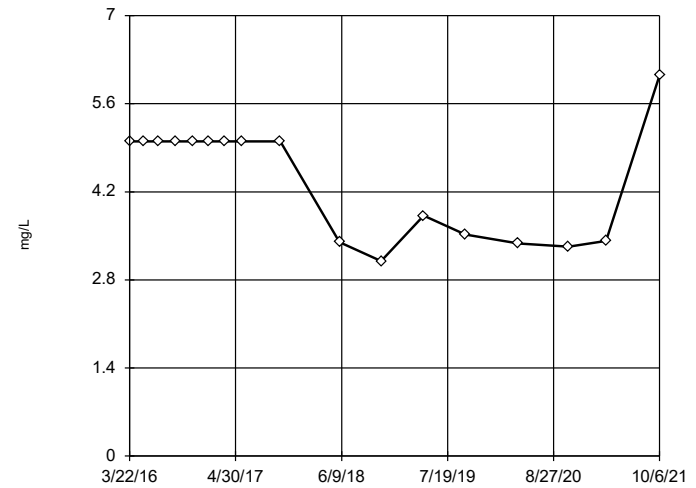
Tukey's Outlier Screening MW-4



n = 27
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 67.49, low cutoff = 0.1556, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

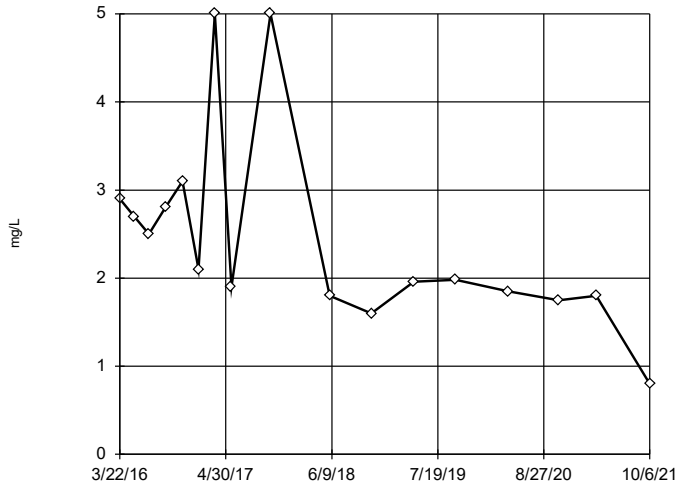
Tukey's Outlier Screening MW-5



n = 17
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 9.77, low cutoff = -1.36, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

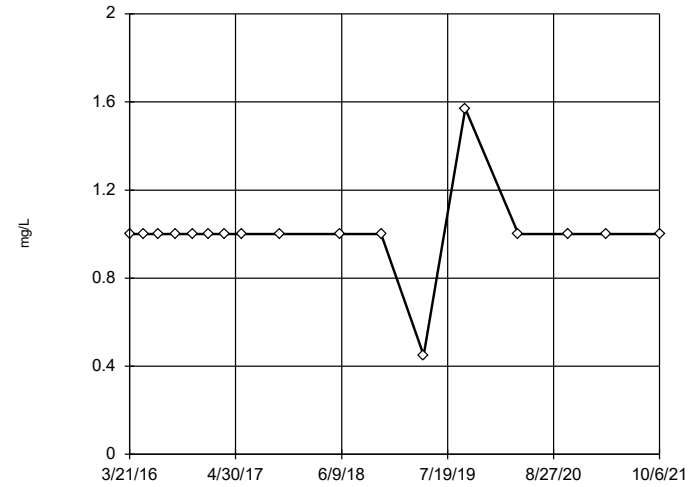
Tukey's Outlier Screening
MW-6



n = 17
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 11.31, low cutoff = 0.4537, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

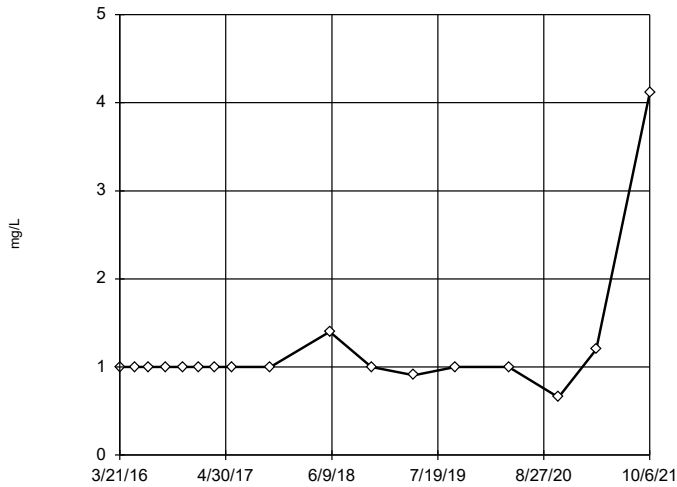
Tukey's Outlier Screening
MW-7



n = 17
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

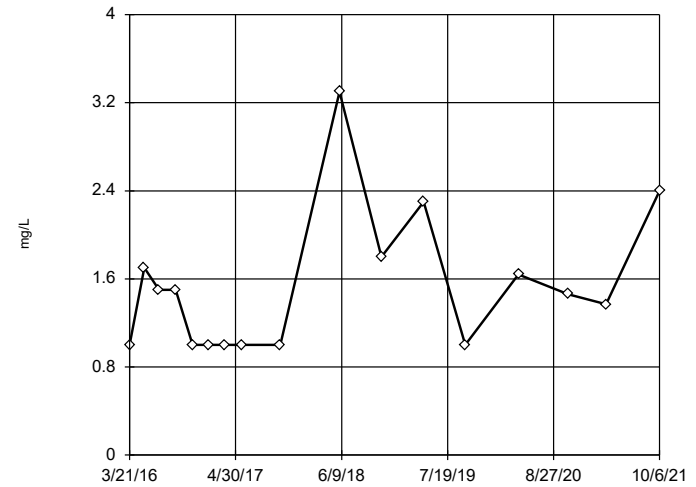
Tukey's Outlier Screening
MW-8



n = 17
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

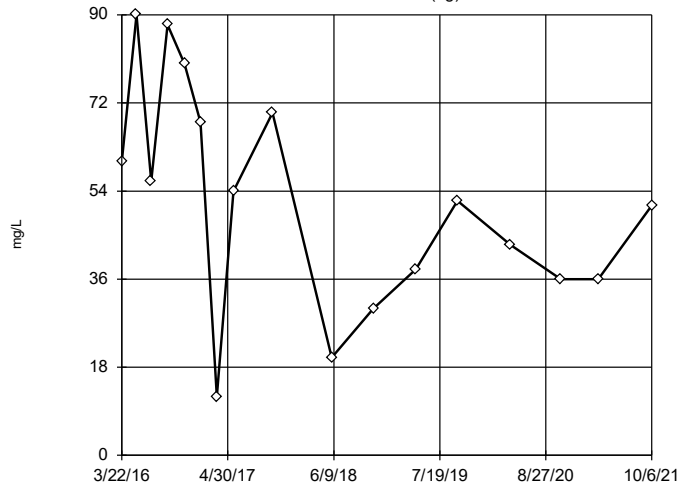
Tukey's Outlier Screening
MW-9



n = 17
No outliers found. Tukey's method selected by user.
Data were natural log transformed to achieve best W statistic (graph shown in original units).
High cutoff = 9.364, low cutoff = 0.1868, based on IQR multiplier of 3.

Constituent: Sulfate Analysis Run 5/10/2022 1:33 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

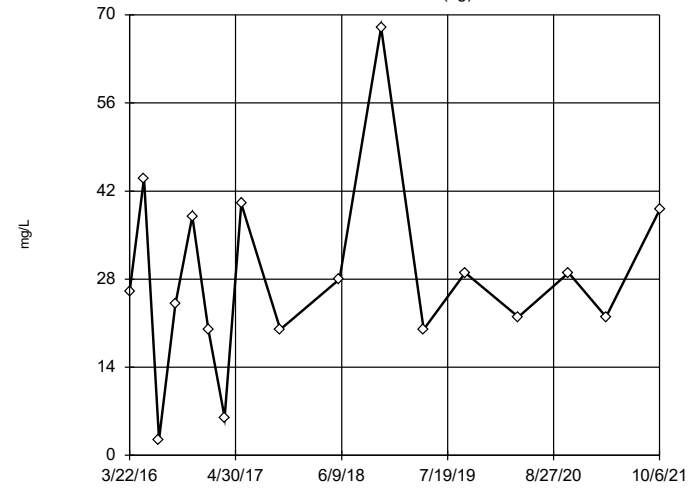
Tukey's Outlier Screening
MW-1 (bg)



n = 17
No outliers found.
Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 168, low cutoff = -63, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

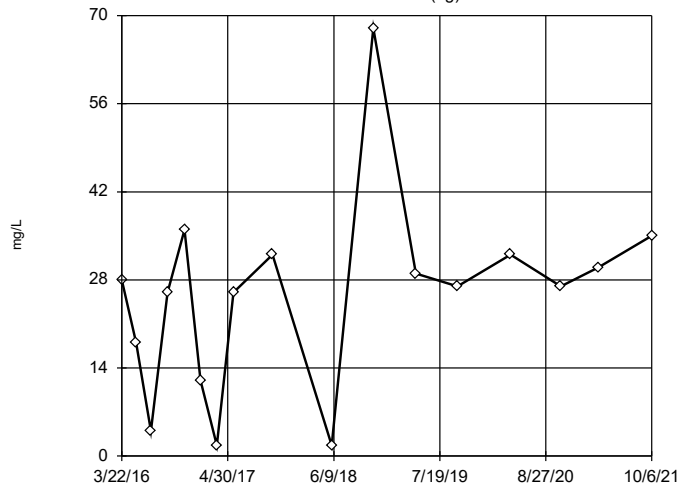
Tukey's Outlier Screening
MW-10 (bg)



n = 17
No outliers found.
Tukey's method selected by user.
Data were square root transformed to achieve best W statistic (graph shown in original units).
High cutoff = 130, low cutoff = -0.5265, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

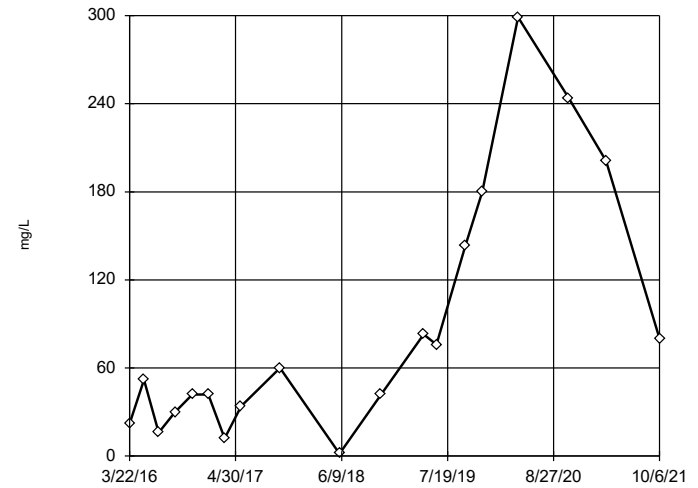
Tukey's Outlier Screening
MW-2 (bg)



n = 17
No outliers found.
Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 83, low cutoff = -36, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

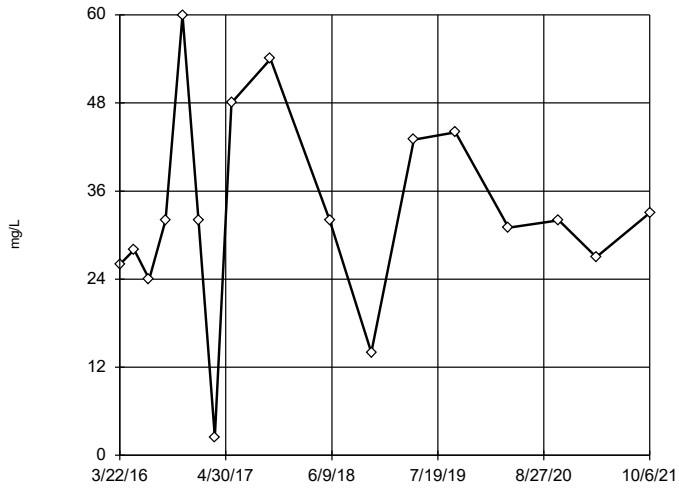
Tukey's Outlier Screening
MW-3



n = 19
No outliers found.
Tukey's method selected by user.
Data were cube root transformed to achieve best W statistic (graph shown in original units).
High cutoff = 1559, low cutoff = -34.62, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

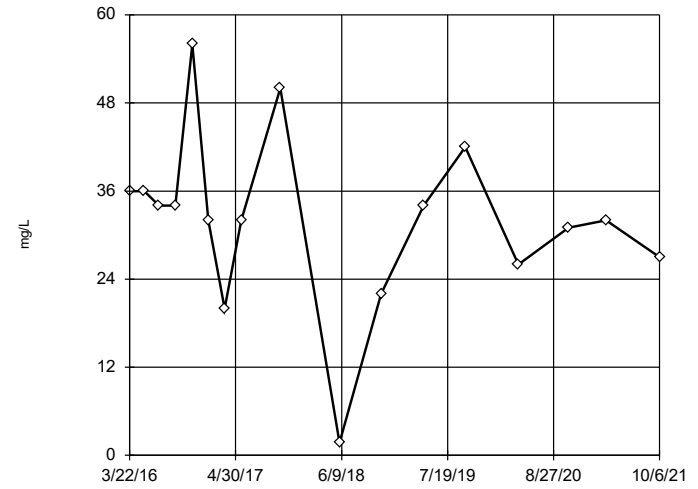
Tukey's Outlier Screening
MW-4



n = 17
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 94.5, low cutoff = -24.5, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

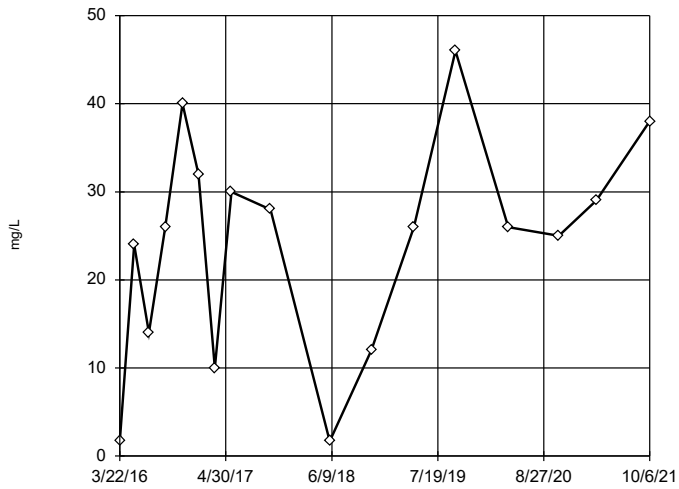
Tukey's Outlier Screening
MW-5



n = 17
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 64.5, low cutoff = -2, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

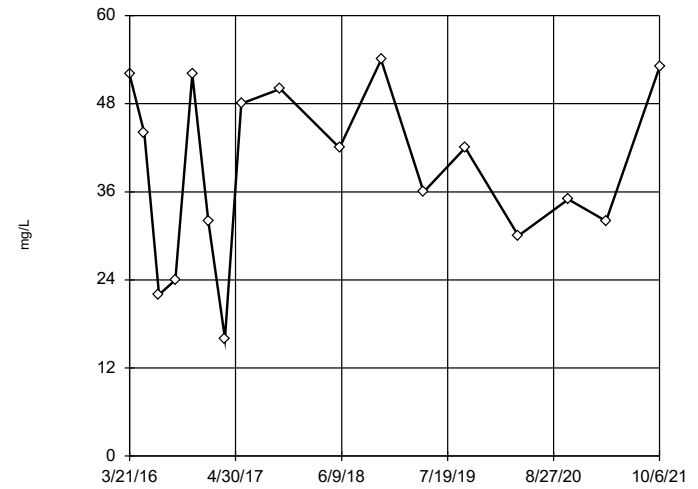
Tukey's Outlier Screening
MW-6



n = 17
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 85, low cutoff = -41, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

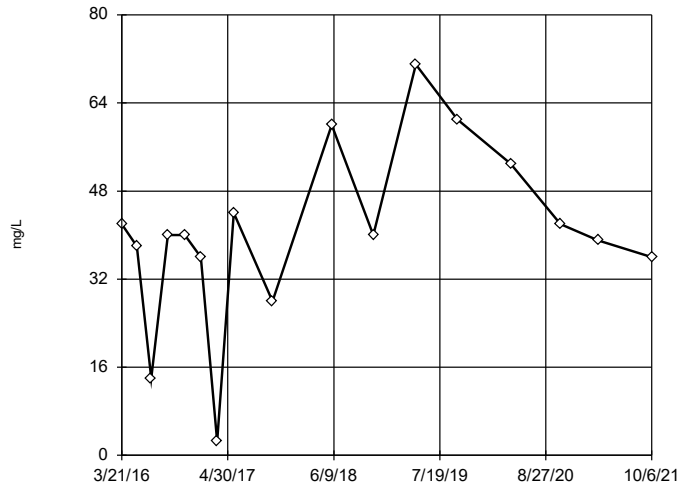
Tukey's Outlier Screening
MW-7



n = 17
No outliers found. Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 111, low cutoff = -29, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

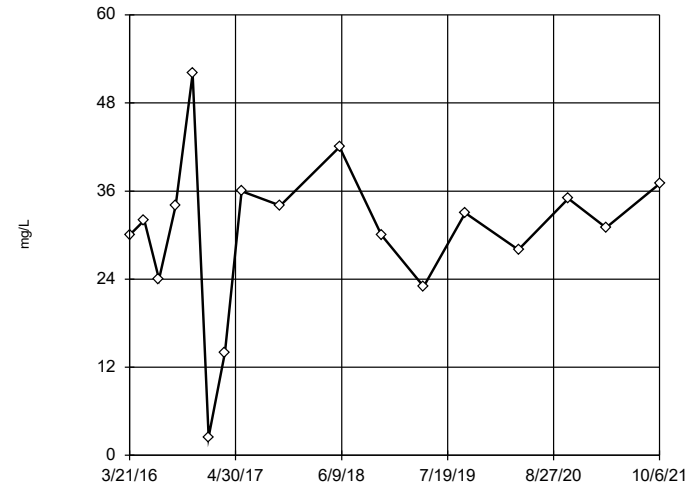
Tukey's Outlier Screening
MW-8



n = 17
No outliers found.
Tukey's method selected by user.
Ladder of Powers transformations did not improve normality; analysis run on raw data.
High cutoff = 86, low cutoff = -1.5, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening
MW-9



n = 17
No outliers found.
Tukey's method selected by user.
Data were square transformed to achieve best W statistic (graph shown in original units).
High cutoff = 54.79, low cutoff = -32.58, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:34 PM View: Outliers
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Test - Upgradient Wells - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:32 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Lead (mg/L)	MW-1,MW-10,MW-2	Yes	0.000171,0.000227,0.000162,0.000189,0.000176,0.00	NP	NaN	42	0.0008217	0.0003274	In(x)	ShapiroWilk

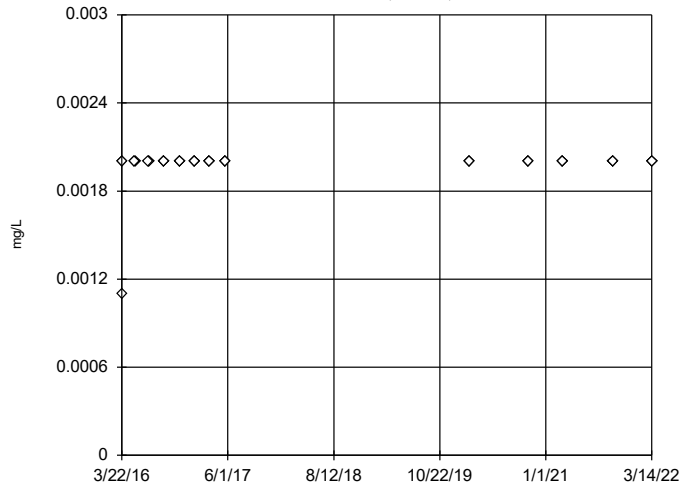
Tukey's Outlier Test - Upgradient Wells - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:32 PM

Constituent	Well	Outlier	Value(s)	Method	Alpha	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	39	0.001977	0.0001441	unknown	ShapiroWilk
Arsenic (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	42	0.00107	0.0008366	unknown	ShapiroWilk
Barium (mg/L)	MW-1,MW-10,MW-2	No	n/a	NP	NaN	62	0.08314	0.05931	In(x)	ShapiroFrancia
Beryllium (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	42	0.0008712	0.0002503	unknown	ShapiroWilk
Cadmium (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	39	0.001	0	unknown	ShapiroWilk
Chromium (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	59	0.002214	0.0008659	unknown	ShapiroFrancia
Cobalt (mg/L)	MW-1,MW-10,MW-2	No	n/a	NP	NaN	42	0.001463	0.001177	In(x)	ShapiroWilk
Combined Radium 226 + 228 (pCi/L)	MW-1,MW-10,MW-2	No	n/a	NP	NaN	42	1.293	1.242	In(x)	ShapiroWilk
Fluoride (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	57	0.0896	0.02436	unknown	ShapiroFrancia
Lead (mg/L)	MW-1,MW-10,MW-2	Yes	0.000171,0.000227,0.000162,0.000189,0.000176,0.00	NP	NaN	42	0.0008217	0.0003274	In(x)	ShapiroWilk
Lithium (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	39	0.004662	0.001087	unknown	ShapiroWilk
Mercury (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	59	0.0001969	0.00002655	unknown	ShapiroFrancia
Molybdenum (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	39	0.004913	0.0004438	unknown	ShapiroWilk
Selenium (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	59	0.004729	0.001187	unknown	ShapiroFrancia
Thallium (mg/L)	MW-1,MW-10,MW-2	n/a	n/a	NP	NaN	39	0.0008781	0.0002926	unknown	ShapiroWilk

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

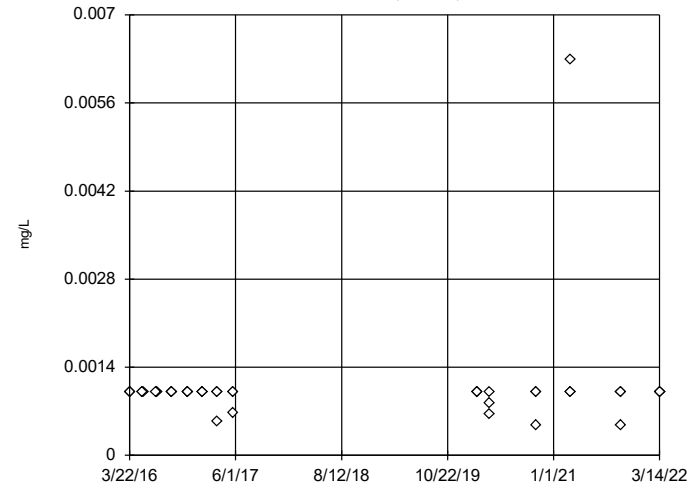


n = 39
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

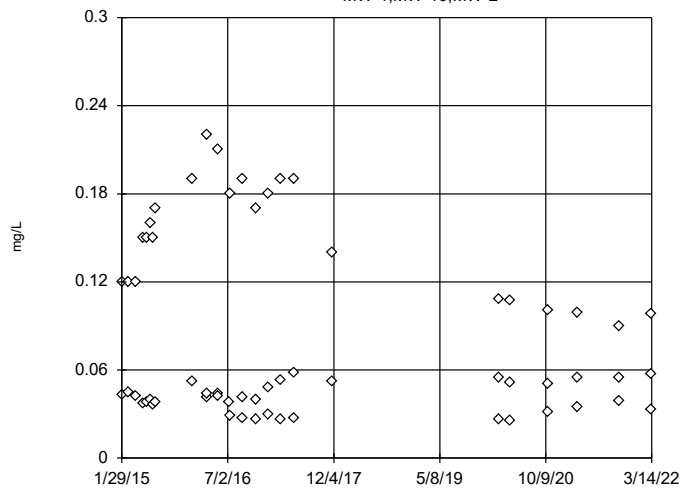


n = 42
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

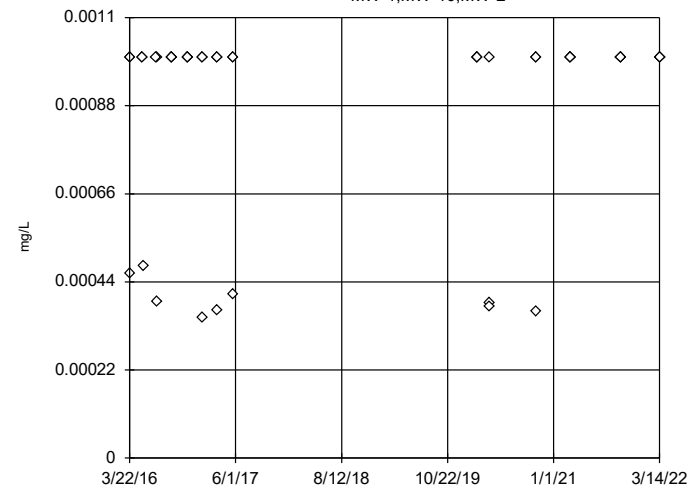


n = 62
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 5.144, low cutoff = 0.0009576, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

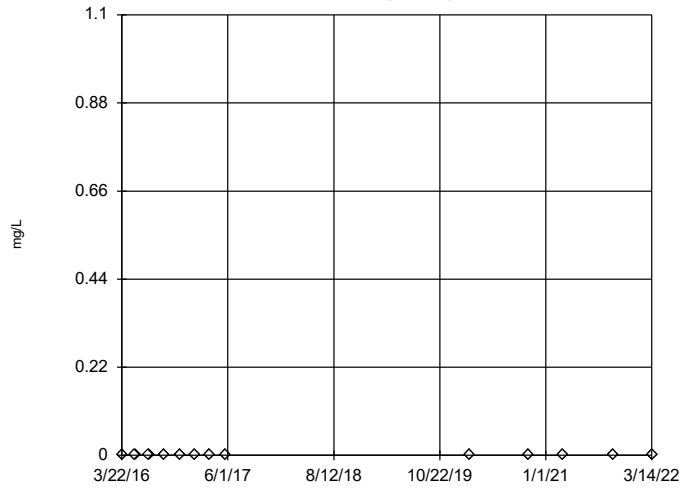


n = 42
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

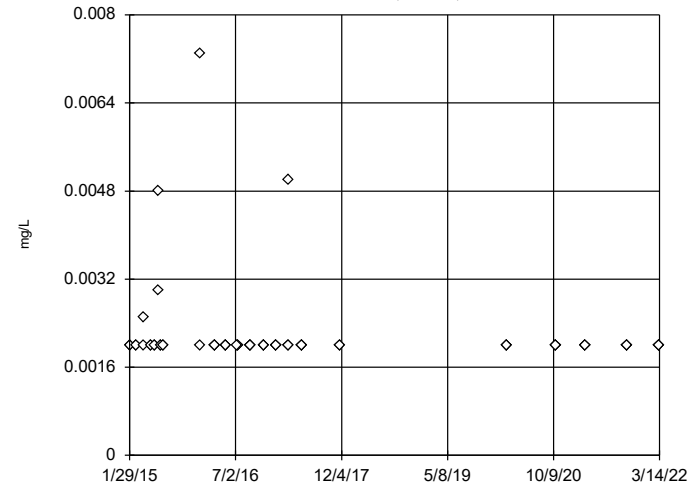


n = 39
 No outliers found.
 Tukey's method selected by user.
 Data were square root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

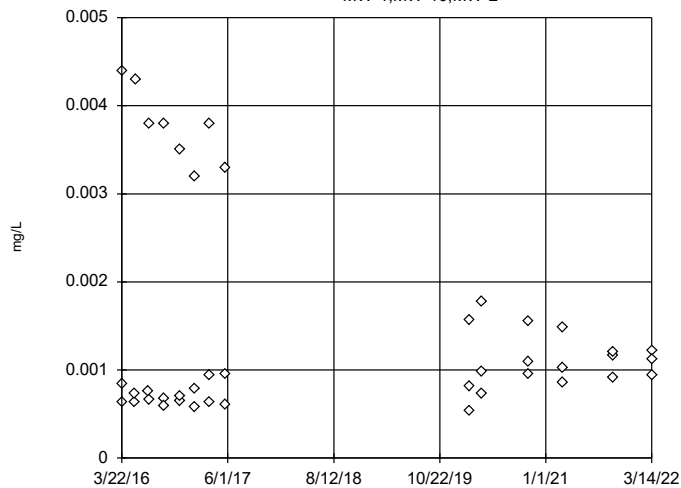


n = 59
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

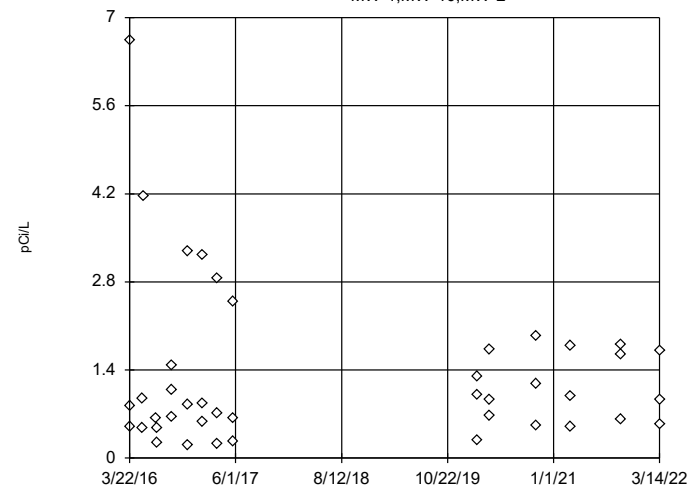


n = 42
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.01743,
 low cutoff = 0.00006199,
 based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

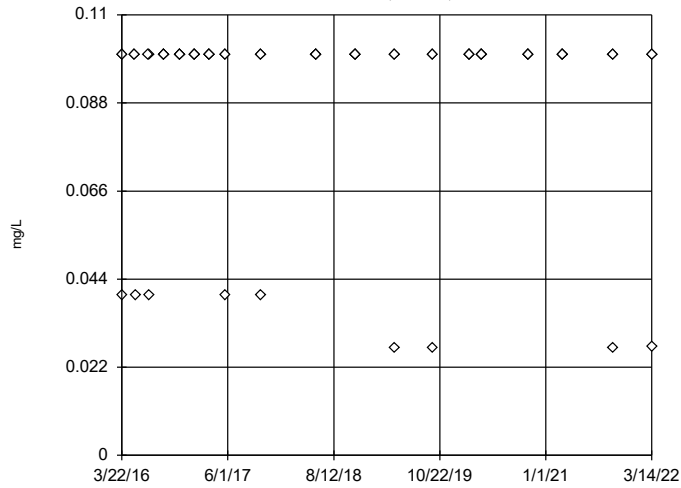


n = 42
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 60.84, low cutoff = 0.01481, based on IQR multiplier of 3.

Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

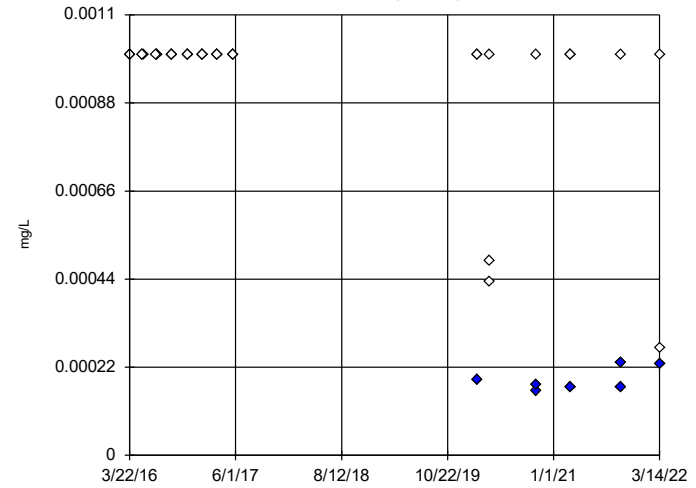


n = 57
 No outliers found.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Fluoride Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

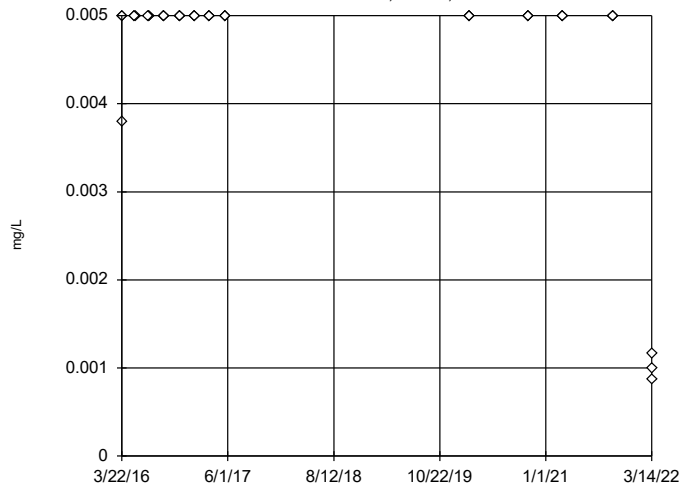


n = 42
 Outliers are drawn as solid.
 Tukey's method selected by user.
 Data were natural log transformed to achieve best W statistic (graph shown in original units).
 High cutoff = 0.002952,
 low cutoff = 0.0002362,
 based on IQR multiplier of 3.

Constituent: Lead Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

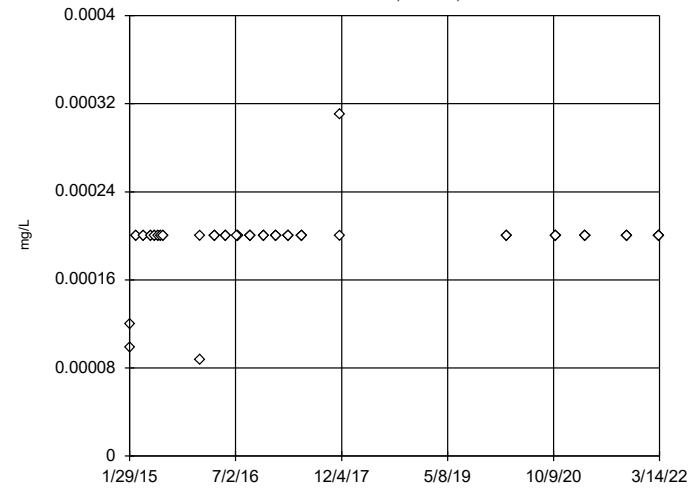


n = 39
 No outliers found.
 Tukey's method selected by user.
 Data were x^5 transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lithium Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

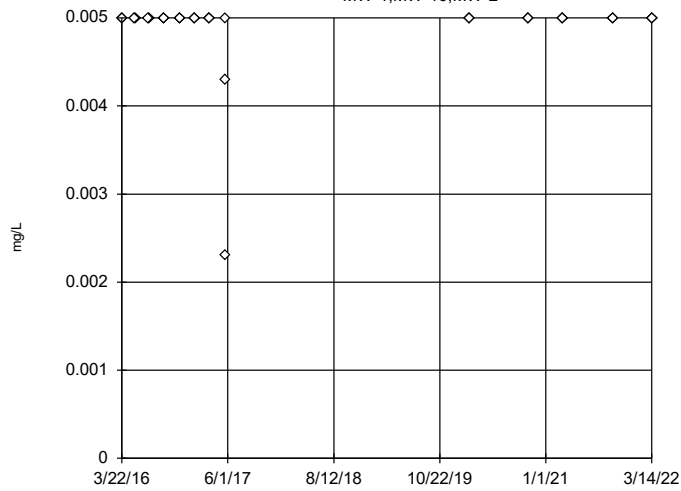


n = 59
 No outliers found.
 Tukey's method selected by user.
 Ladder of Powers transformations did not improve normality; analysis run on raw data.
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

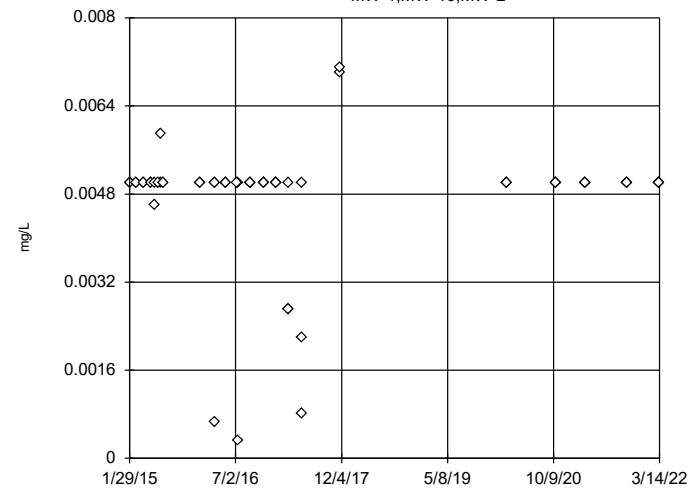


n = 39
 No outliers found.
 Tukey's method selected by user.
 Data were x⁶ transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Molybdenum Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2

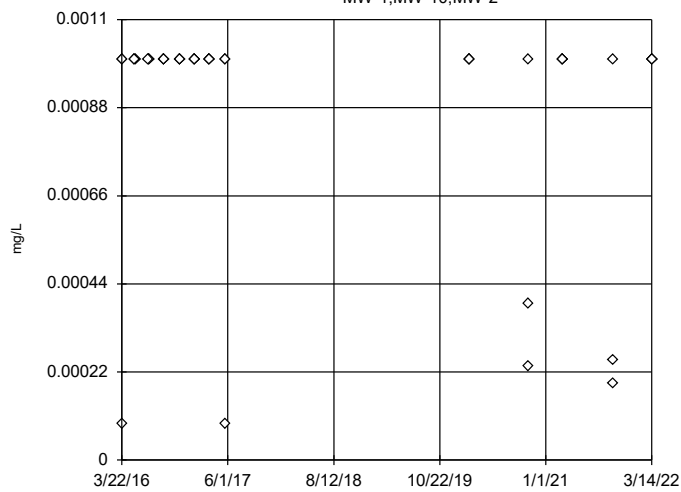


n = 59
 No outliers found.
 Tukey's method selected by user.
 Data were square transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Tukey's Outlier Screening, Pooled Background

MW-1,MW-10,MW-2



n = 39
 No outliers found.
 Tukey's method selected by user.
 Data were cube root transformed to achieve best W statistic (graph shown in original units).
 The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/10/2022 1:30 PM View: Outliers Upgradient
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney

Welch's t-test/Mann-Whitney - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:49 PM

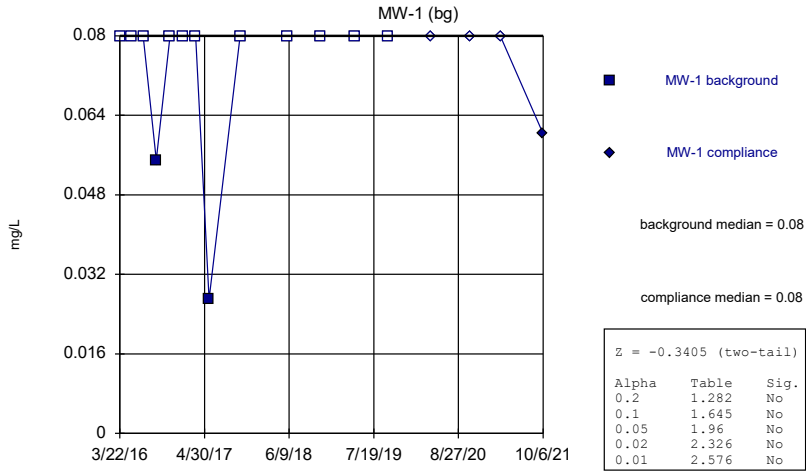
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Calcium (mg/L)	MW-1 (bg)	-3.26	Yes	Mann-W
Calcium (mg/L)	MW-3	3.595	Yes	Mann-W
Chloride (mg/L)	MW-1 (bg)	-3.001	Yes	Mann-W
Chloride (mg/L)	MW-2 (bg)	2.891	Yes	Mann-W
Chloride (mg/L)	MW-7	-2.703	Yes	Mann-W
Chloride (mg/L)	MW-9	2.668	Yes	Mann-W
Fluoride (mg/L)	MW-3	2.722	Yes	Mann-W
Sulfate (mg/L)	MW-3	4.669	Yes	Mann-W
Sulfate (mg/L)	MW-4	-3.294	Yes	Mann-W
Total Dissolved Solids (mg/L)	MW-3	3.014	Yes	Mann-W

Welch's t-test/Mann-Whitney - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 1:49 PM

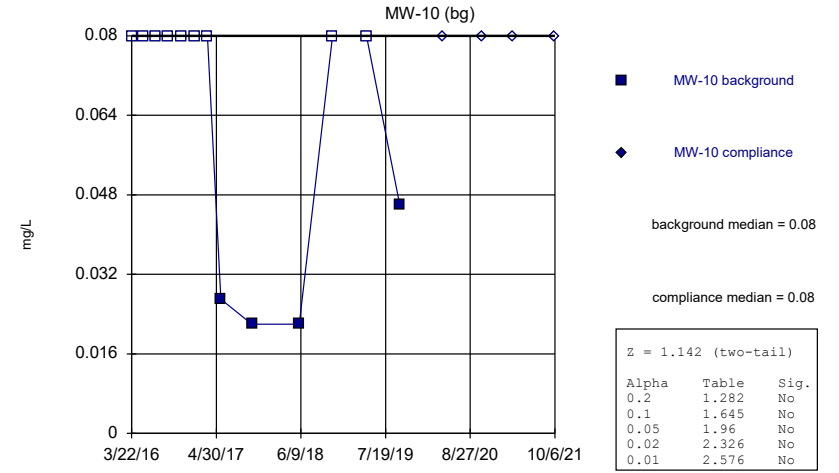
<u>Constituent</u>	<u>Well</u>	<u>Calc.</u>	<u>0.01</u>	<u>Method</u>
Boron (mg/L)	MW-1 (bg)	-0.3405	No	Mann-W
Boron (mg/L)	MW-10 (bg)	1.142	No	Mann-W
Boron (mg/L)	MW-2 (bg)	-1.787	No	Mann-W
Boron (mg/L)	MW-3	2.231	No	Mann-W
Boron (mg/L)	MW-7	-0.9025	No	Mann-W
Boron (mg/L)	MW-8	0.416	No	Mann-W
Boron (mg/L)	MW-9	0.7075	No	Mann-W
Calcium (mg/L)	MW-1 (bg)	-3.26	Yes	Mann-W
Calcium (mg/L)	MW-10 (bg)	1.531	No	Mann-W
Calcium (mg/L)	MW-2 (bg)	2.177	No	Mann-W
Calcium (mg/L)	MW-3	3.595	Yes	Mann-W
Calcium (mg/L)	MW-4	-0.09867	No	Mann-W
Calcium (mg/L)	MW-5	-1.88	No	Mann-W
Calcium (mg/L)	MW-6	0.6998	No	Mann-W
Calcium (mg/L)	MW-7	-1.998	No	Mann-W
Calcium (mg/L)	MW-8	1.01	No	Mann-W
Calcium (mg/L)	MW-9	1.066	No	Mann-W
Chloride (mg/L)	MW-1 (bg)	-3.001	Yes	Mann-W
Chloride (mg/L)	MW-10 (bg)	2.211	No	Mann-W
Chloride (mg/L)	MW-2 (bg)	2.891	Yes	Mann-W
Chloride (mg/L)	MW-3	-1.409	No	Mann-W
Chloride (mg/L)	MW-4	-1.076	No	Mann-W
Chloride (mg/L)	MW-5	-2.549	No	Mann-W
Chloride (mg/L)	MW-6	2.211	No	Mann-W
Chloride (mg/L)	MW-7	-2.703	Yes	Mann-W
Chloride (mg/L)	MW-8	-1.543	No	Mann-W
Chloride (mg/L)	MW-9	2.668	Yes	Mann-W
Fluoride (mg/L)	MW-1 (bg)	1.522	No	Mann-W
Fluoride (mg/L)	MW-10 (bg)	0.4961	No	Mann-W
Fluoride (mg/L)	MW-2 (bg)	-0.722	No	Mann-W
Fluoride (mg/L)	MW-3	2.722	Yes	Mann-W
Fluoride (mg/L)	MW-6	-0.9025	No	Mann-W
Fluoride (mg/L)	MW-7	-1.126	No	Mann-W
Fluoride (mg/L)	MW-8	-0.722	No	Mann-W
Fluoride (mg/L)	MW-9	0.4961	No	Mann-W
pH (SU)	MW-1 (bg)	-2.344	No	Mann-W
pH (SU)	MW-10 (bg)	-0.7404	No	Mann-W
pH (SU)	MW-2 (bg)	-1.312	No	Mann-W
pH (SU)	MW-3	-0.438	No	Mann-W
pH (SU)	MW-4	0.2817	No	Mann-W
pH (SU)	MW-5	1.116	No	Mann-W
pH (SU)	MW-6	1.235	No	Mann-W
pH (SU)	MW-7	0.5427	No	Mann-W
pH (SU)	MW-8	1.266	No	Mann-W
pH (SU)	MW-9	-0.9893	No	Mann-W
Sulfate (mg/L)	MW-1 (bg)	0.741	No	Mann-W
Sulfate (mg/L)	MW-10 (bg)	-0.9835	No	Mann-W
Sulfate (mg/L)	MW-2 (bg)	-1.208	No	Mann-W
Sulfate (mg/L)	MW-3	4.669	Yes	Mann-W
Sulfate (mg/L)	MW-4	-3.294	Yes	Mann-W
Sulfate (mg/L)	MW-5	-1.165	No	Mann-W
Sulfate (mg/L)	MW-6	-2.494	No	Mann-W
Sulfate (mg/L)	MW-7	-0.1011	No	Mann-W
Sulfate (mg/L)	MW-8	0.7025	No	Mann-W
Sulfate (mg/L)	MW-9	0.9979	No	Mann-W
Total Dissolved Solids (mg/L)	MW-1 (bg)	-1.416	No	Mann-W
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.2273	No	Mann-W
Total Dissolved Solids (mg/L)	MW-2 (bg)	1.419	No	Mann-W
Total Dissolved Solids (mg/L)	MW-3	3.014	Yes	Mann-W
Total Dissolved Solids (mg/L)	MW-4	-0.3418	No	Mann-W
Total Dissolved Solids (mg/L)	MW-5	-1.537	No	Mann-W
Total Dissolved Solids (mg/L)	MW-6	0.7382	No	Mann-W
Total Dissolved Solids (mg/L)	MW-7	-0.4537	No	Mann-W
Total Dissolved Solids (mg/L)	MW-8	0.05682	No	Mann-W
Total Dissolved Solids (mg/L)	MW-9	0.5102	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)



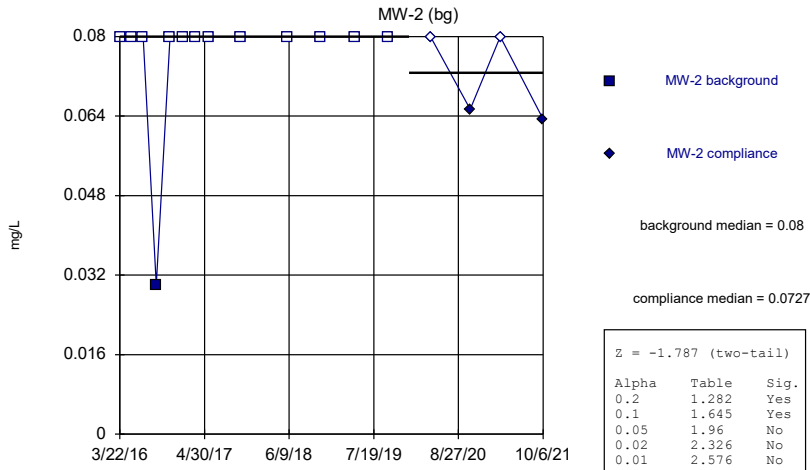
Constituent: Boron Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



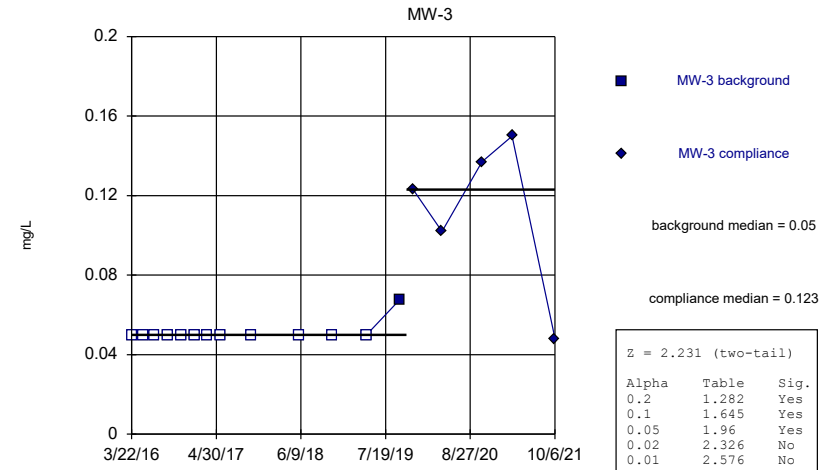
Constituent: Boron Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



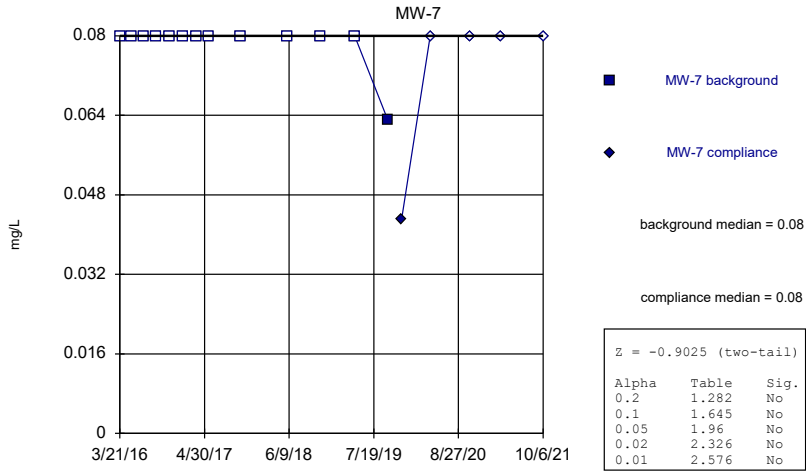
Constituent: Boron Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



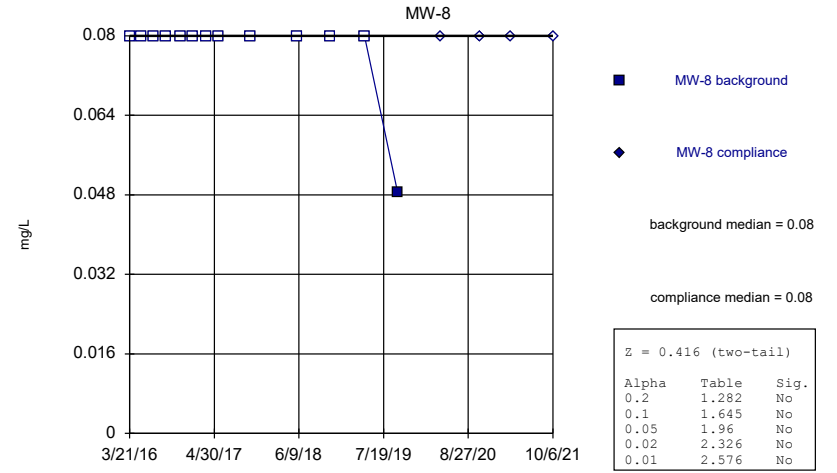
Constituent: Boron Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



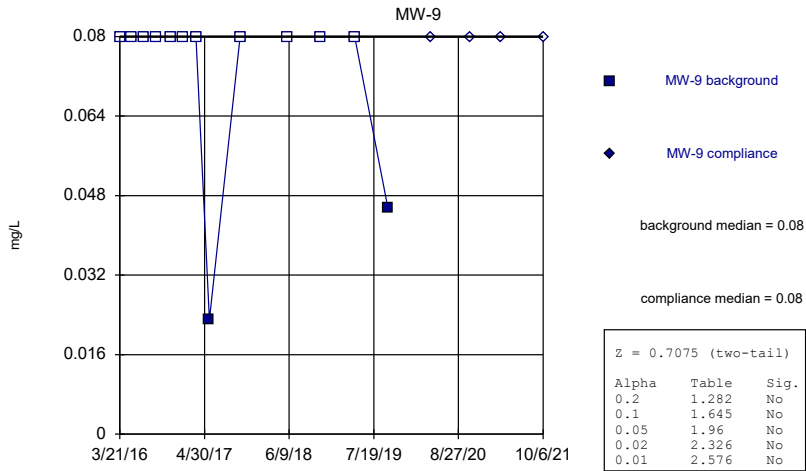
Constituent: Boron Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



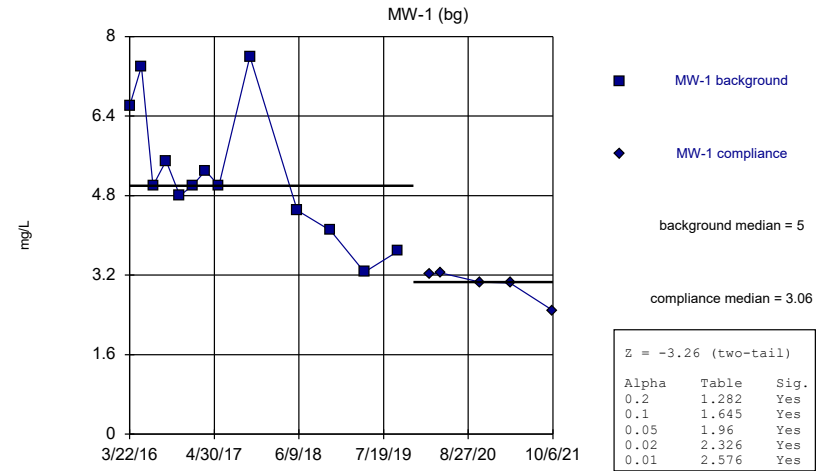
Constituent: Boron Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Boron Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

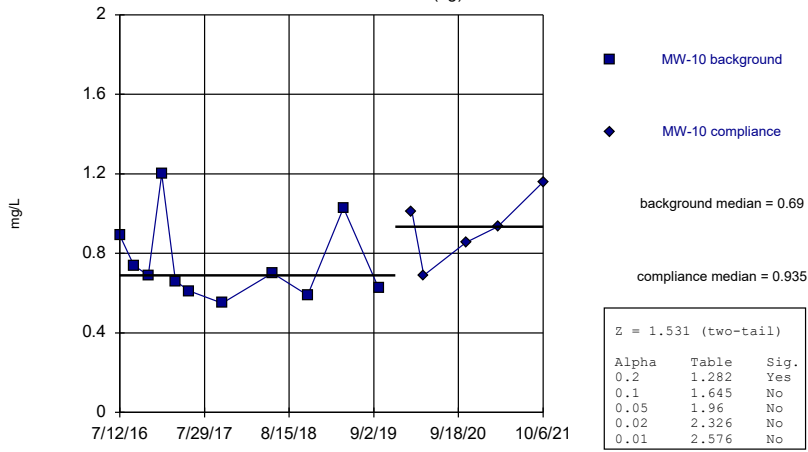
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

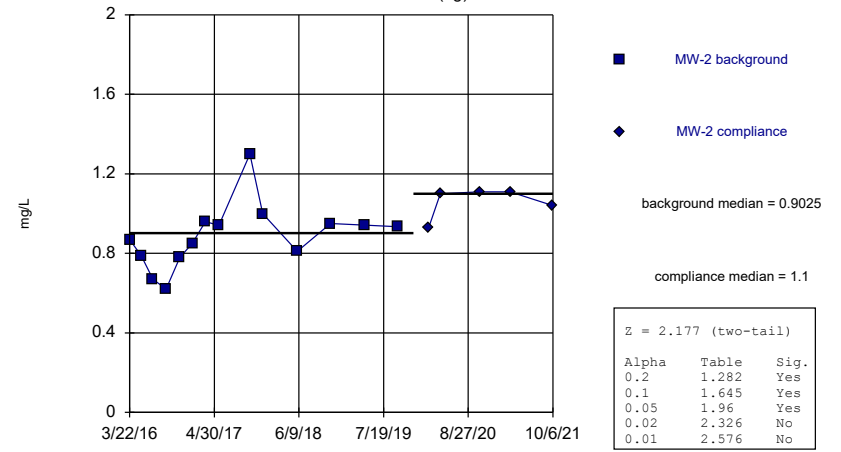
MW-10 (bg)



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

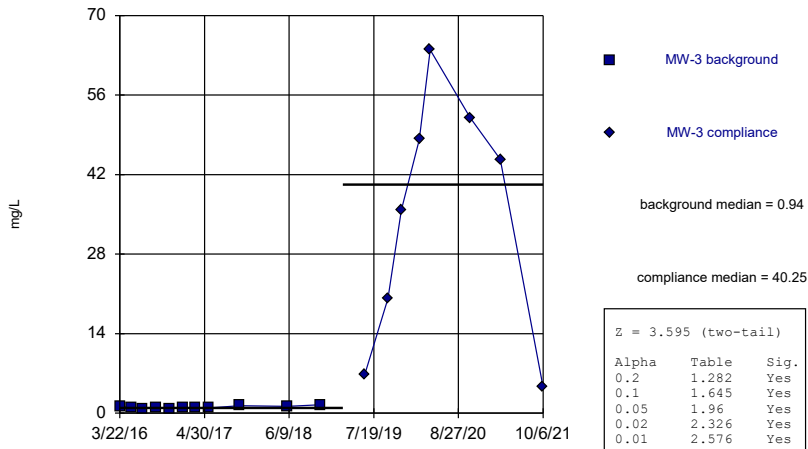
MW-2 (bg)



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

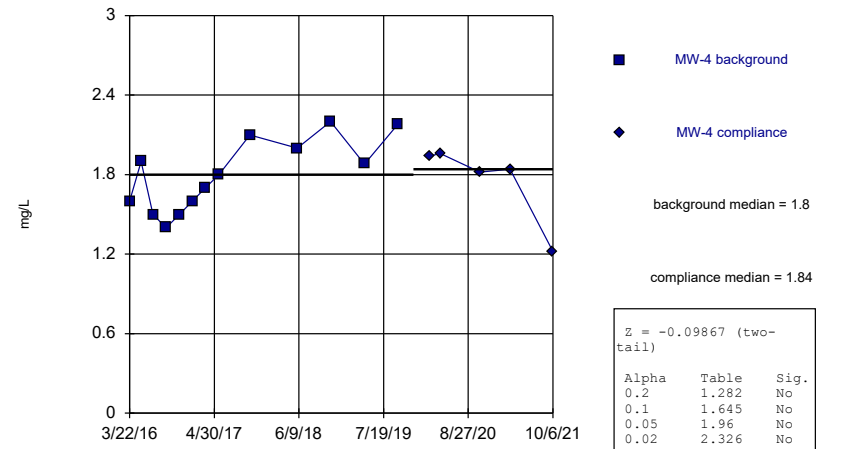
MW-3



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

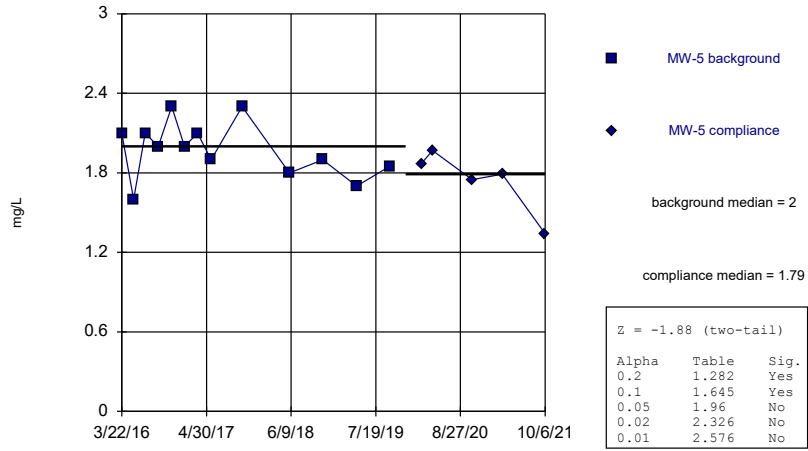
MW-4



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

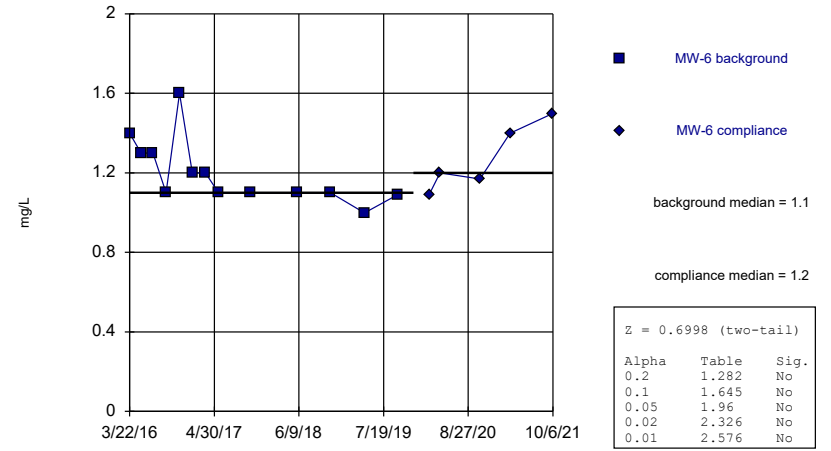
MW-5



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

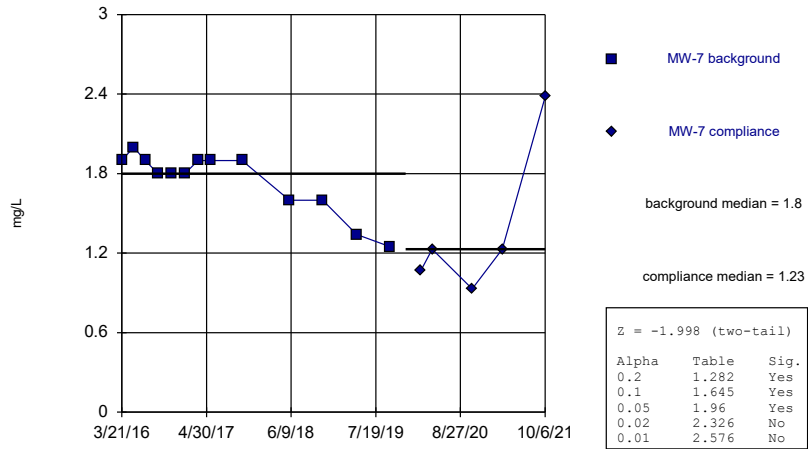
MW-6



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

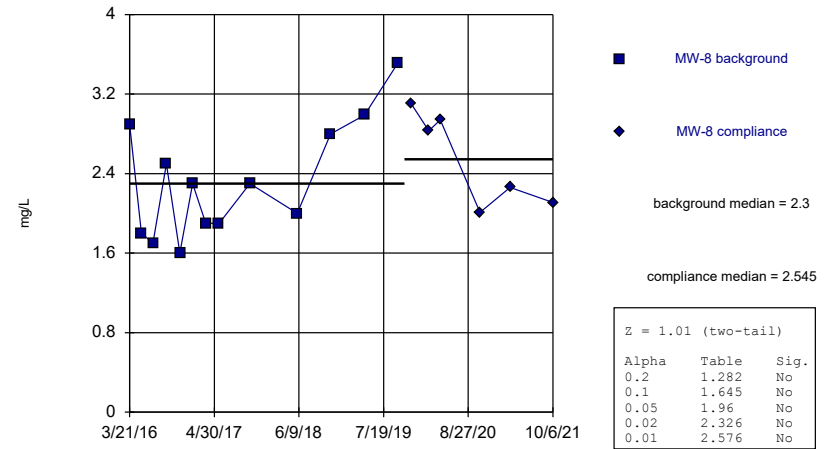
MW-7



Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

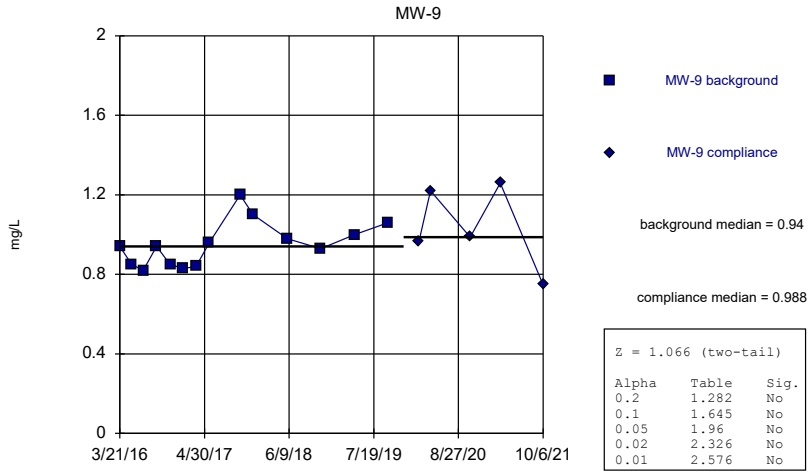
Mann-Whitney (Wilcoxon Rank Sum)

MW-8



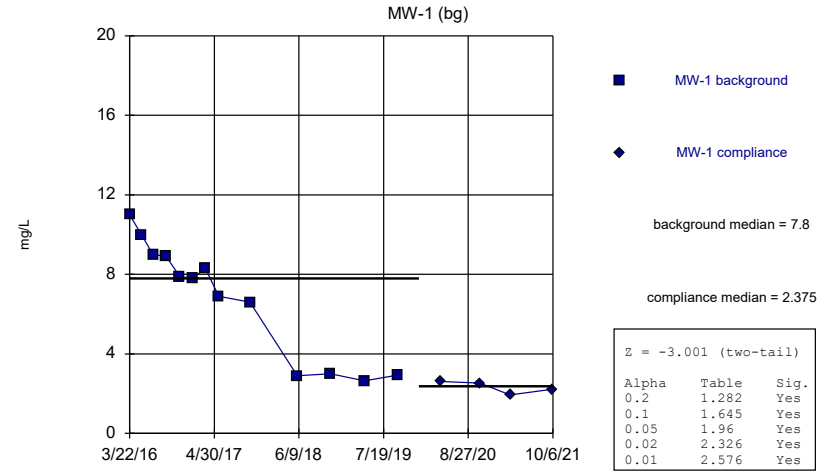
Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



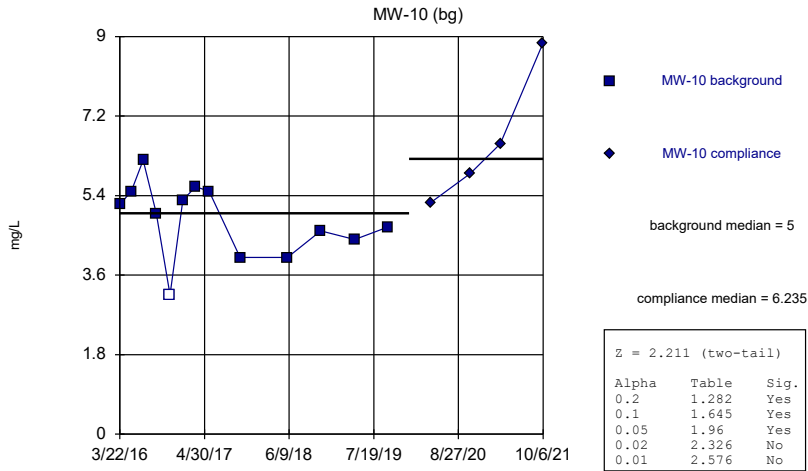
Constituent: Calcium Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



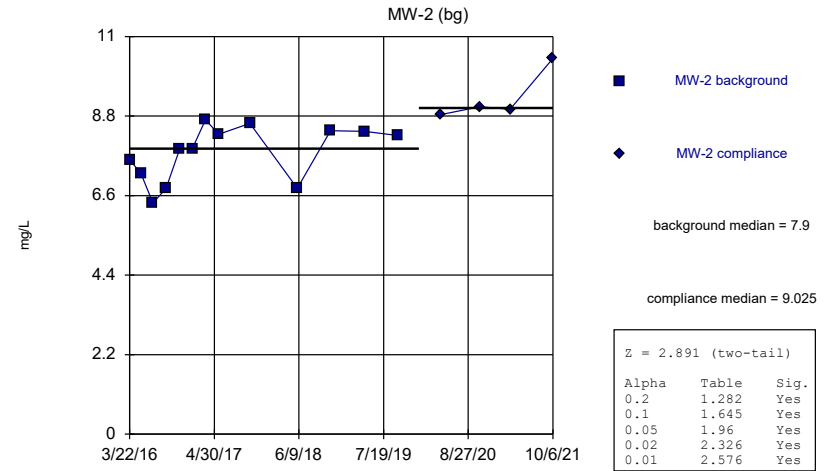
Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

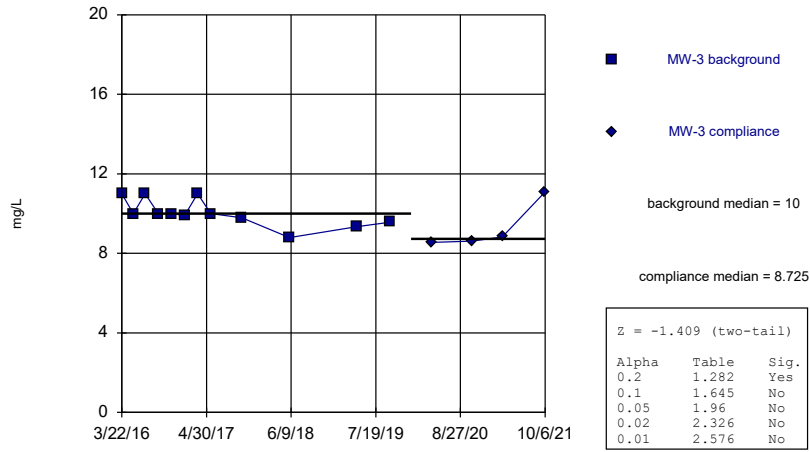
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

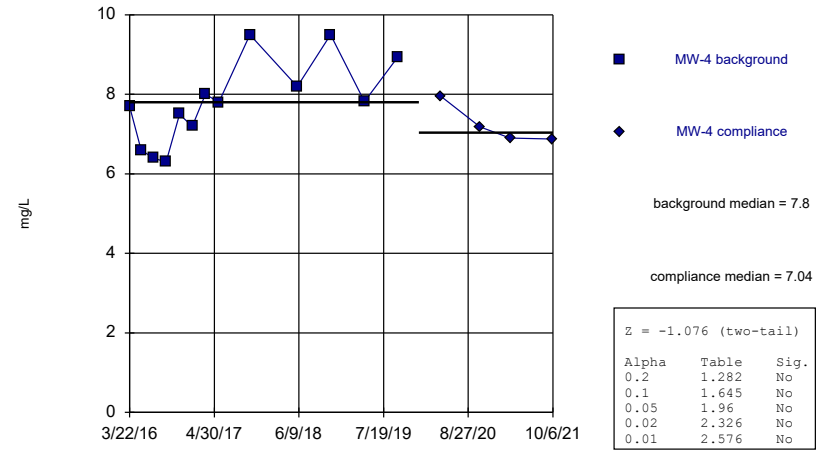
MW-3



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

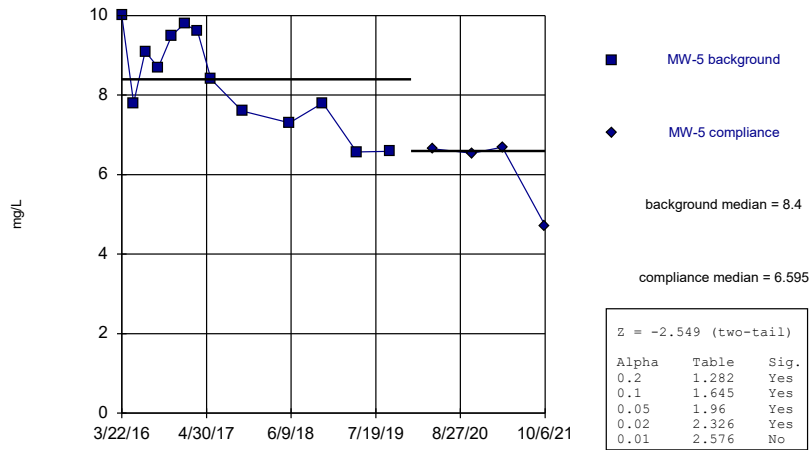
MW-4



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

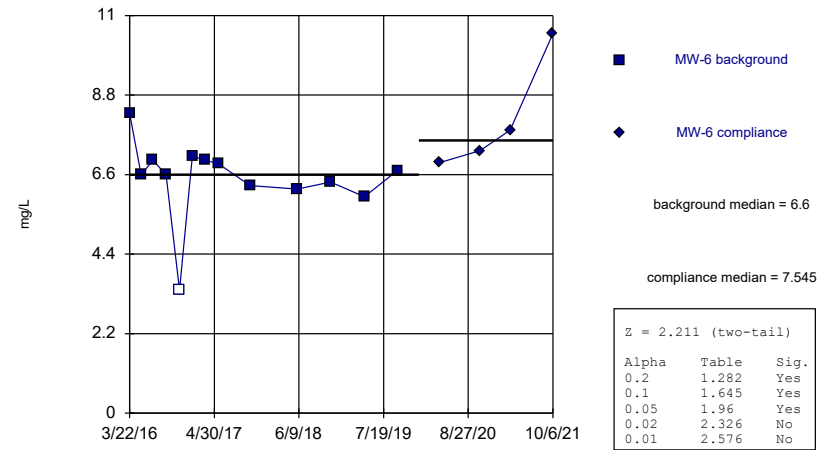
MW-5



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

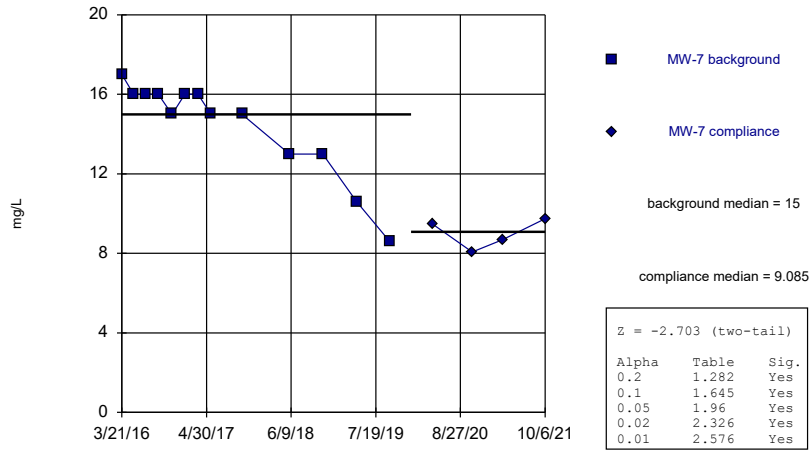
MW-6



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

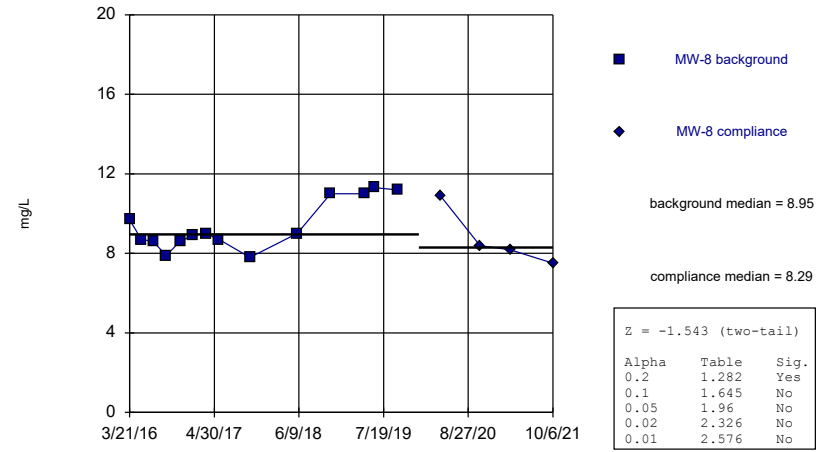
MW-7



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

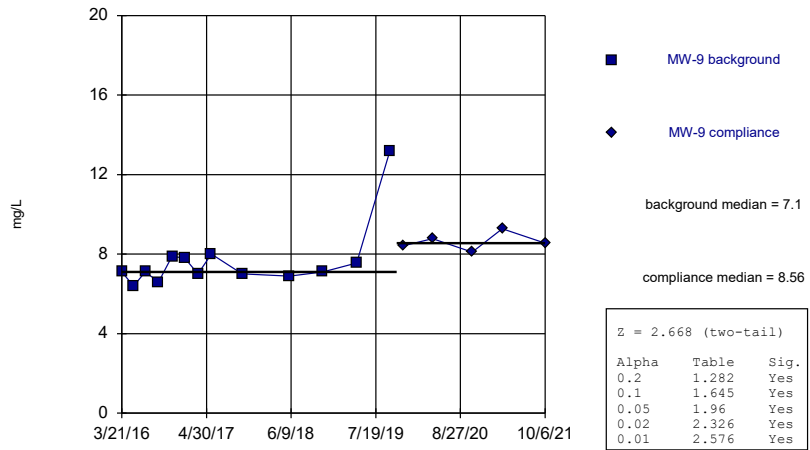
MW-8



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

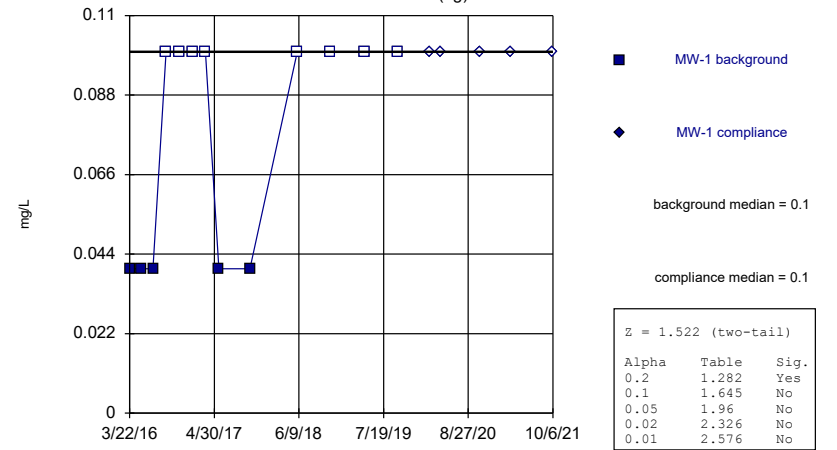
MW-9



Constituent: Chloride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

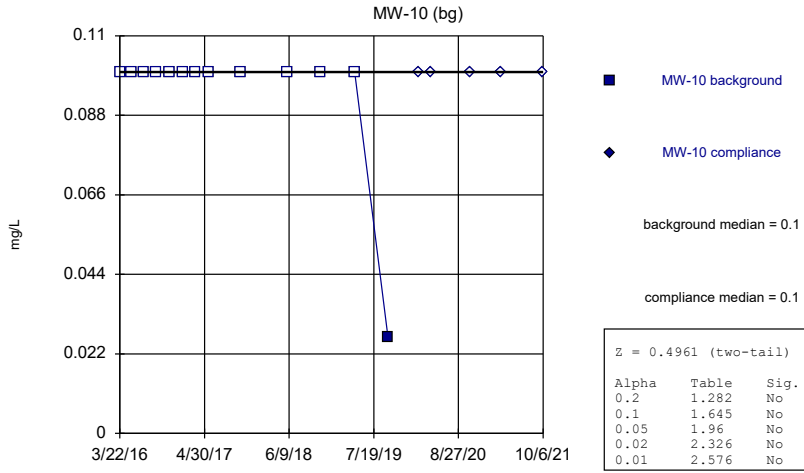
Mann-Whitney (Wilcoxon Rank Sum)

MW-1 (bg)



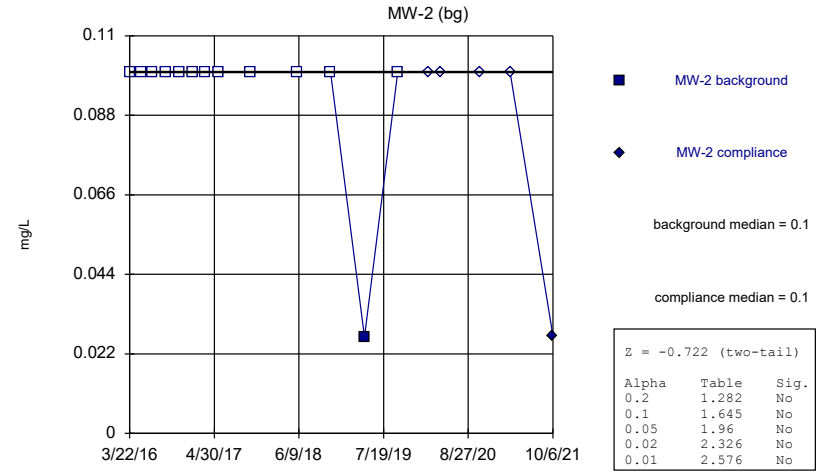
Constituent: Fluoride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



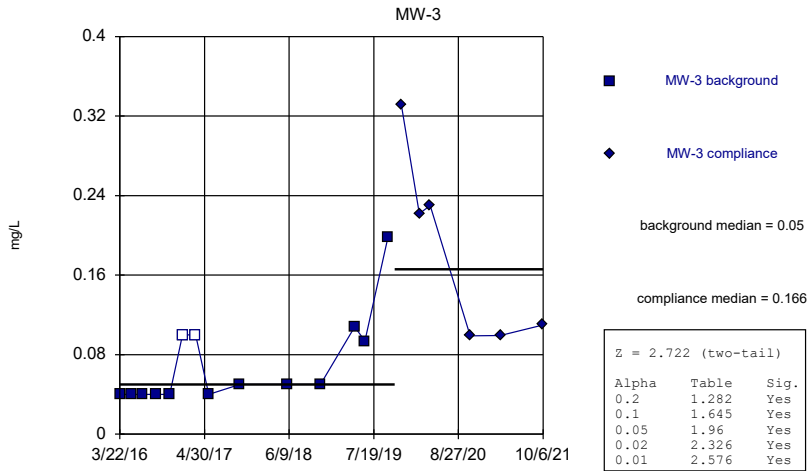
Constituent: Fluoride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



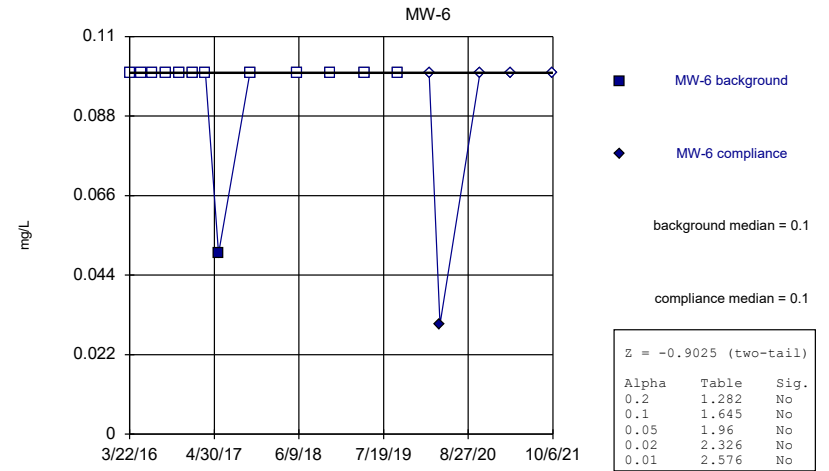
Constituent: Fluoride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



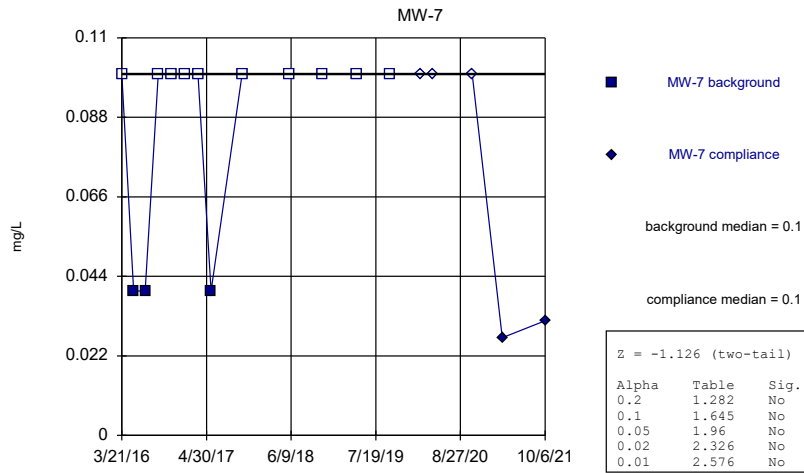
Constituent: Fluoride Analysis Run 5/10/2022 1:47 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



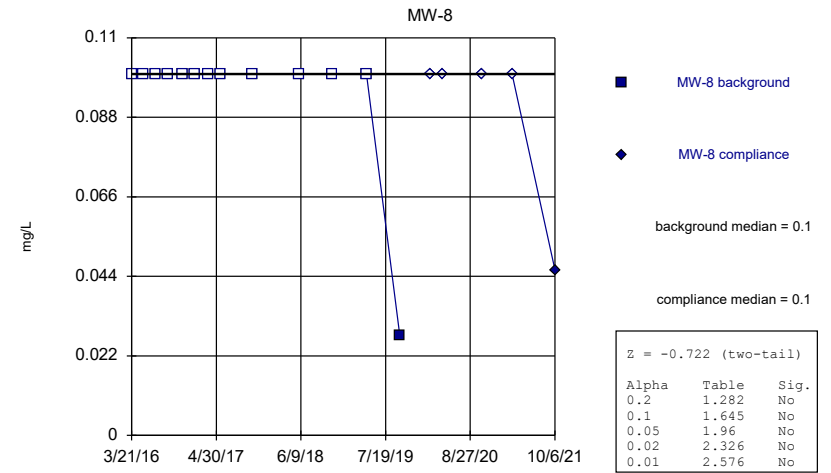
Constituent: Fluoride Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



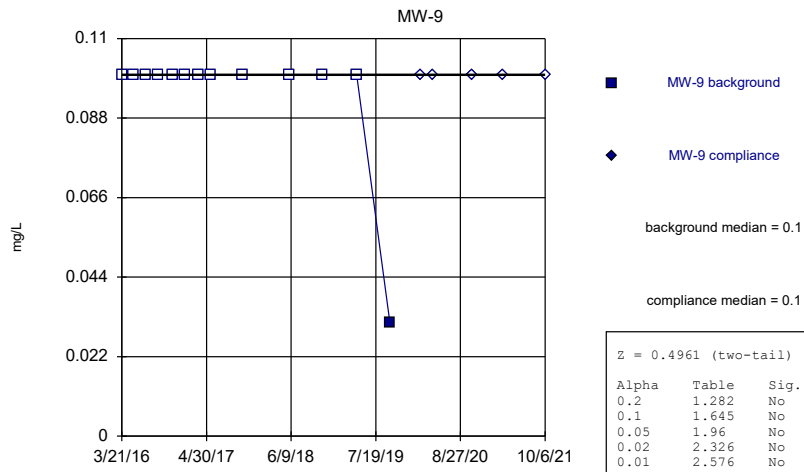
Constituent: Fluoride Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



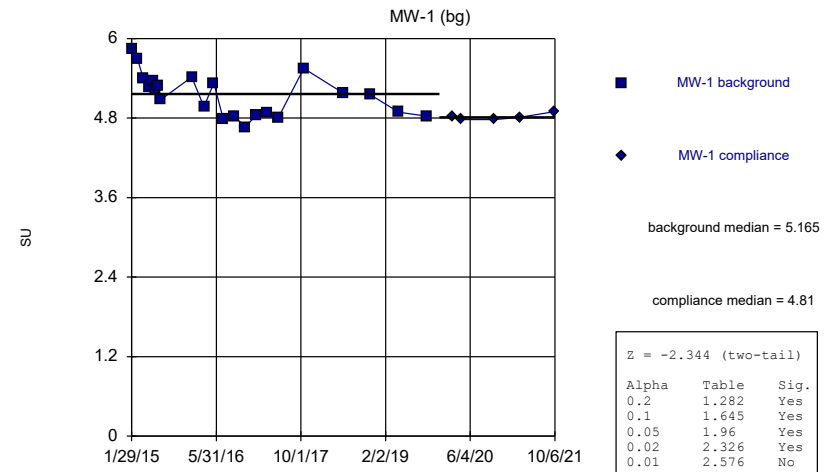
Constituent: Fluoride Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



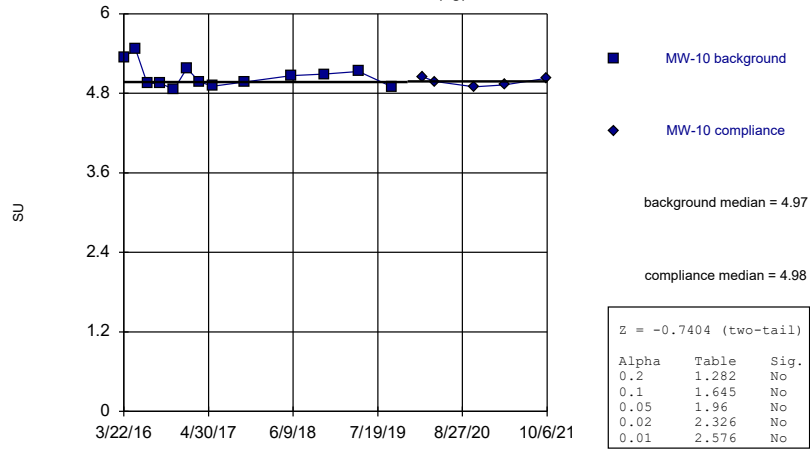
Constituent: Fluoride Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



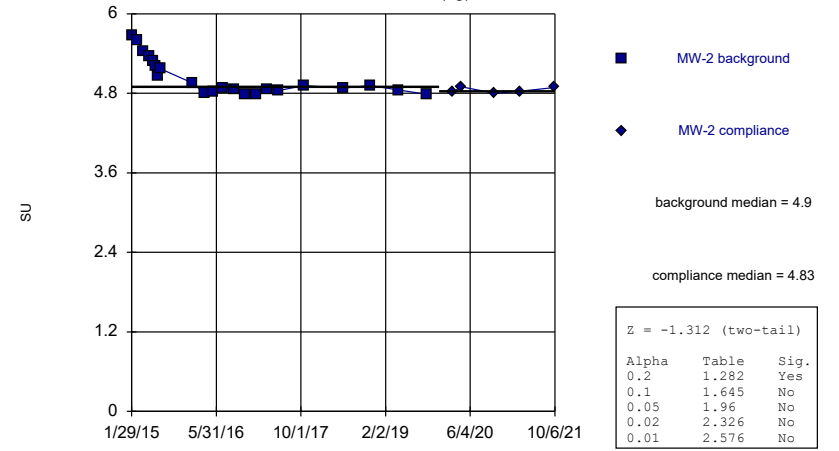
Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)
MW-10 (bg)



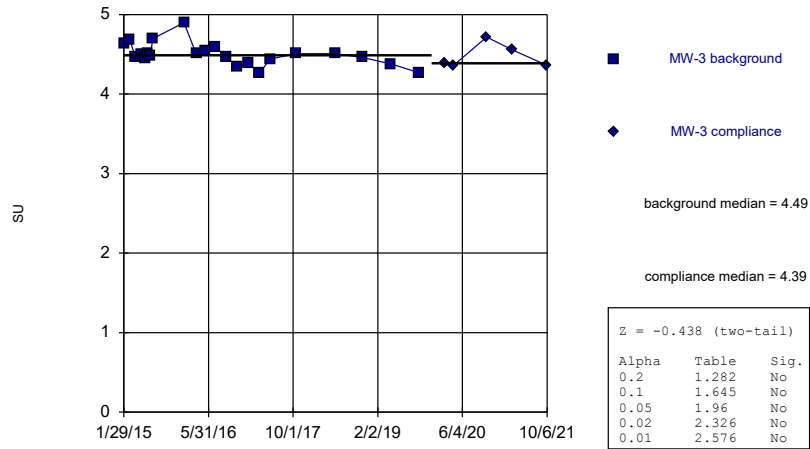
Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)
MW-2 (bg)



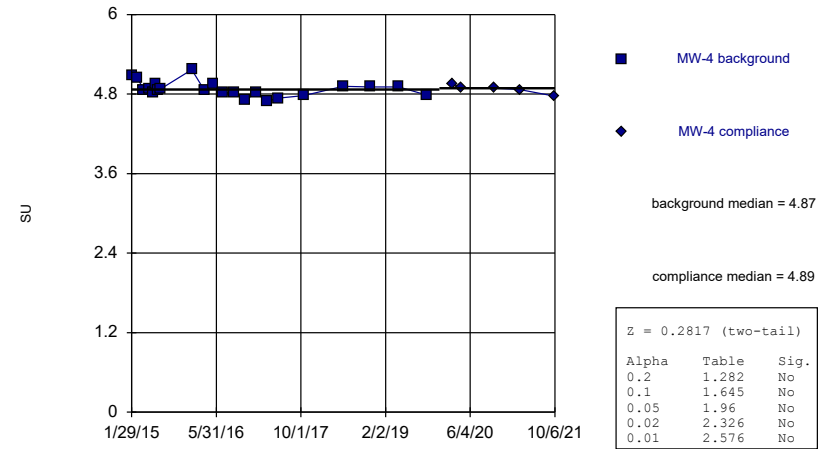
Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)
MW-3



Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

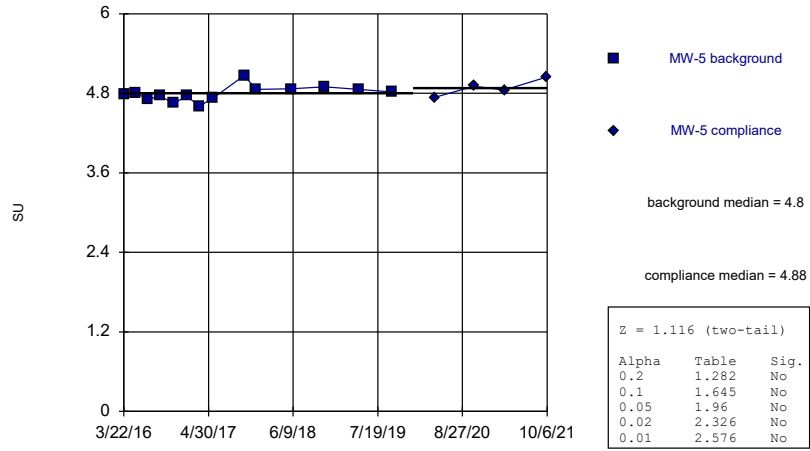
Mann-Whitney (Wilcoxon Rank Sum)
MW-4



Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

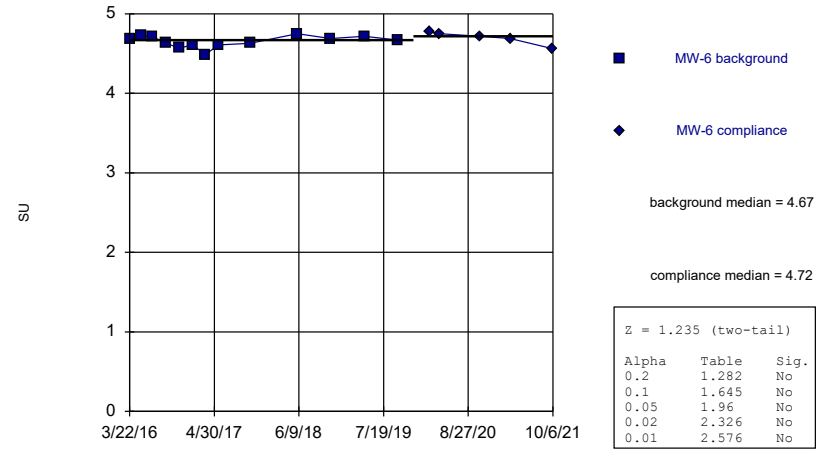
MW-5



Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

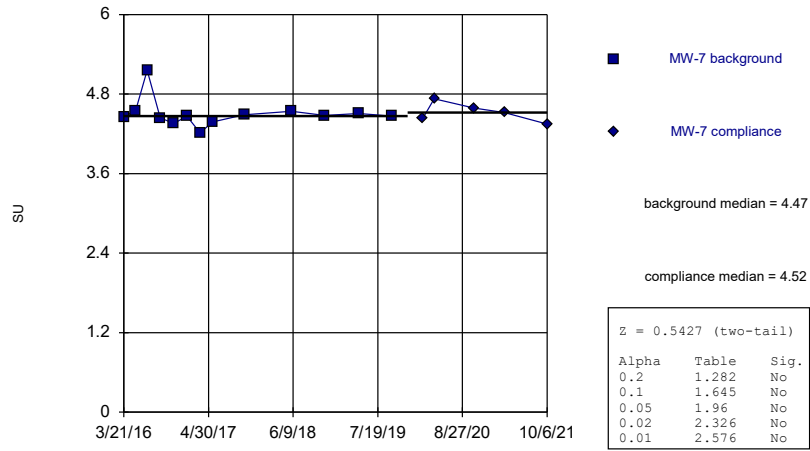
MW-6



Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

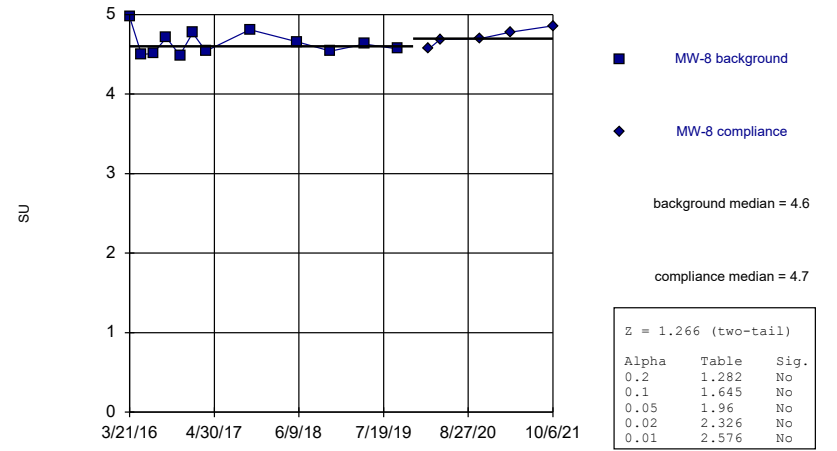
MW-7



Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

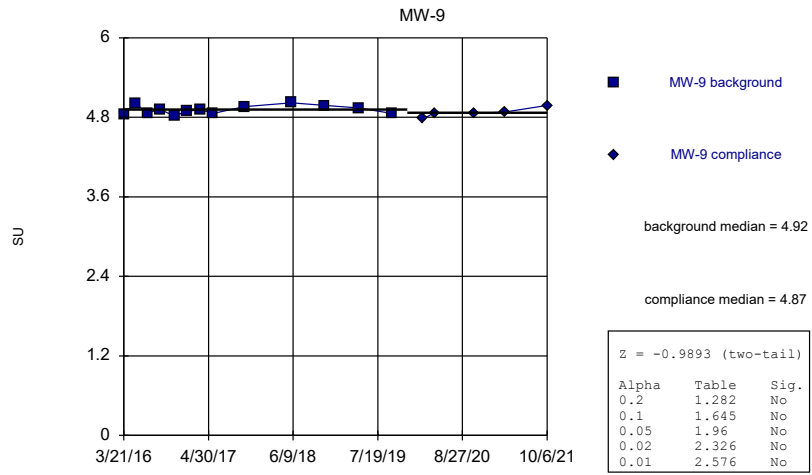
Mann-Whitney (Wilcoxon Rank Sum)

MW-8



Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

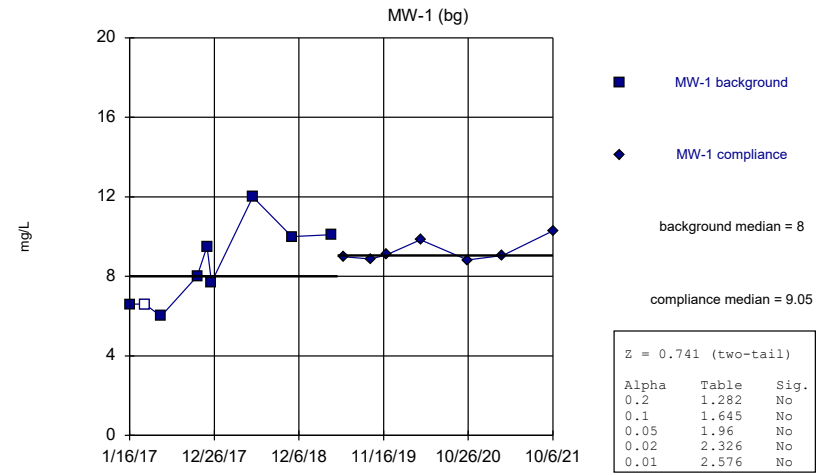
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: pH Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

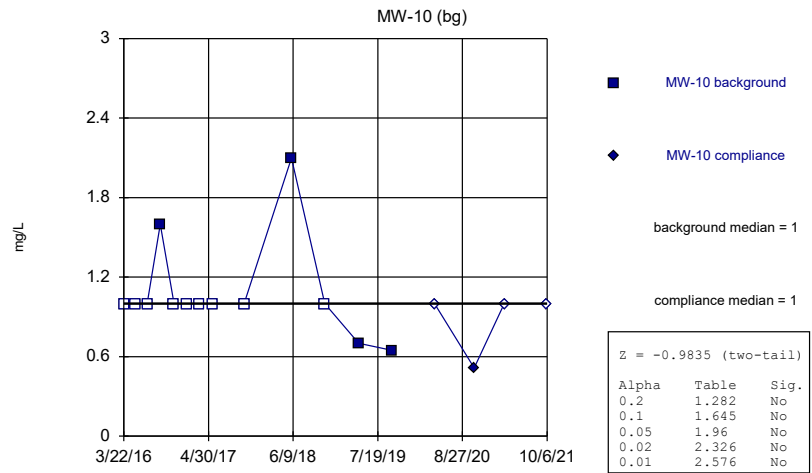
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

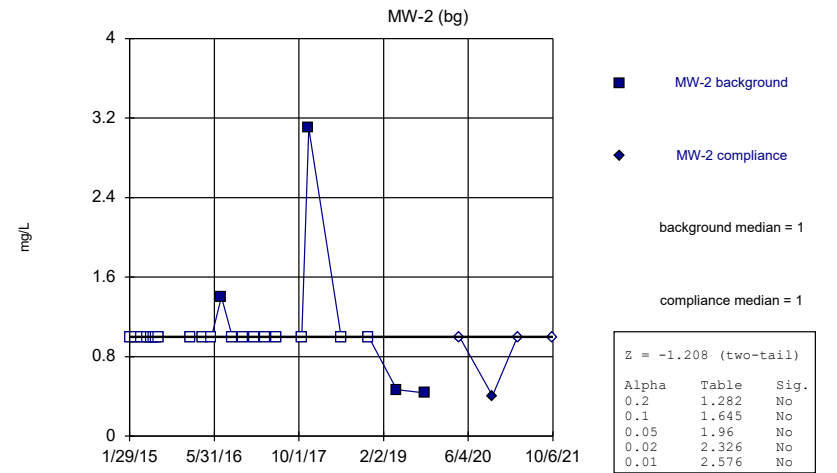
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

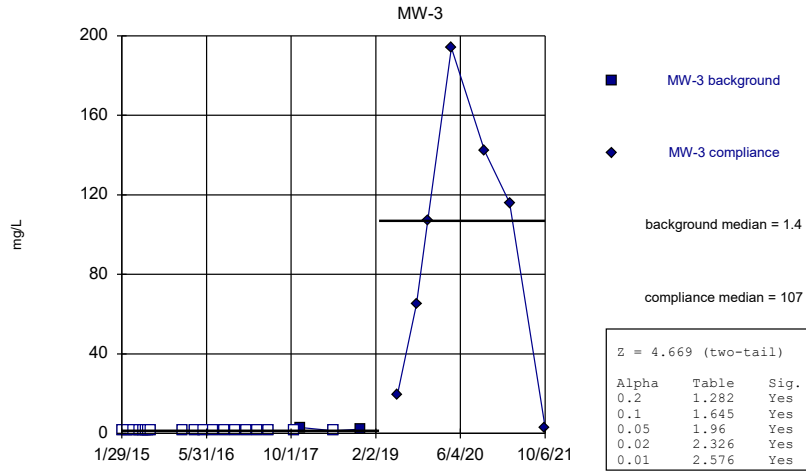
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



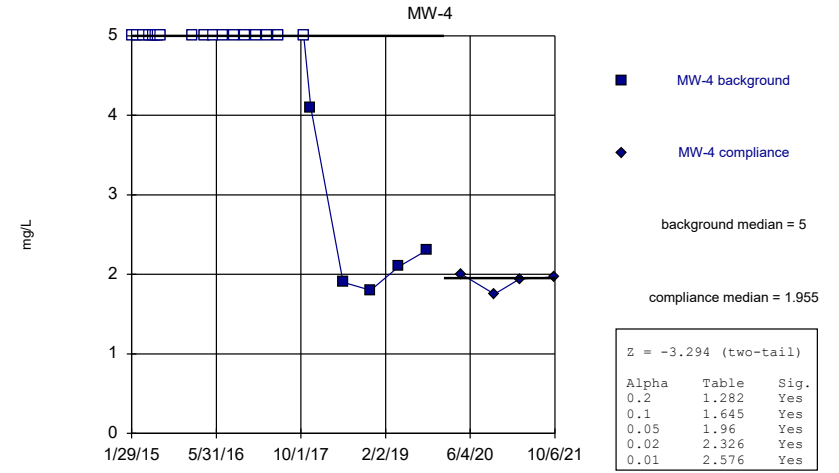
Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



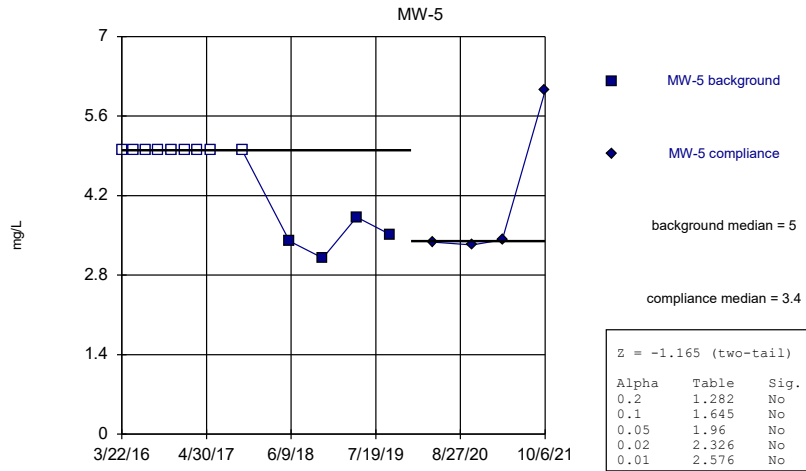
Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



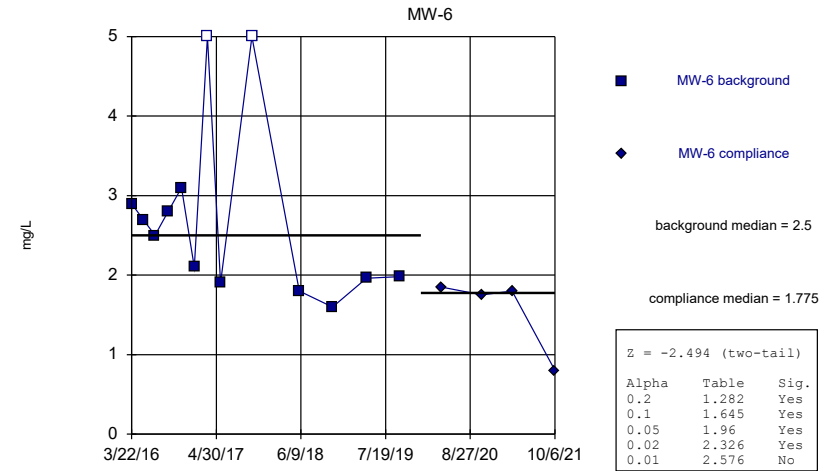
Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



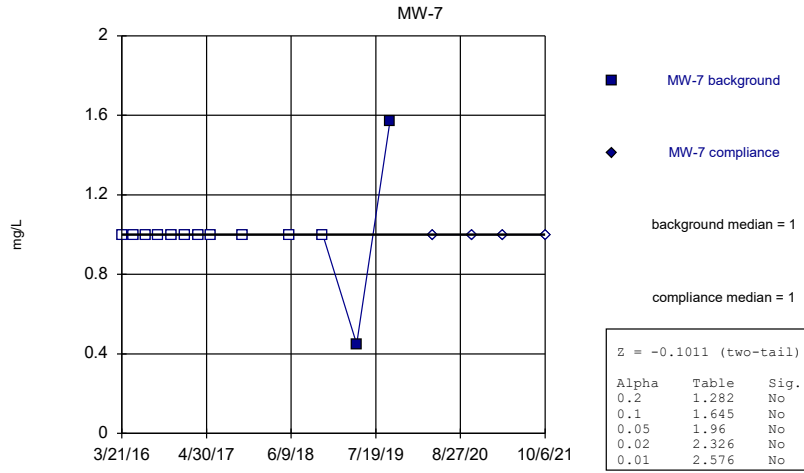
Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



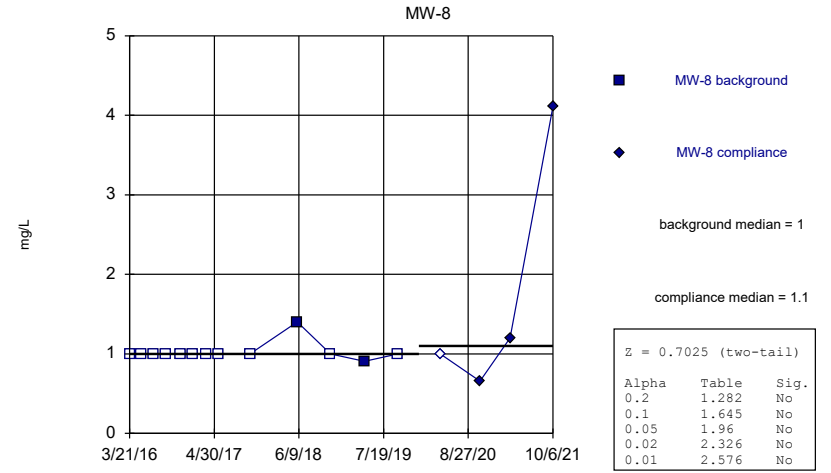
Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



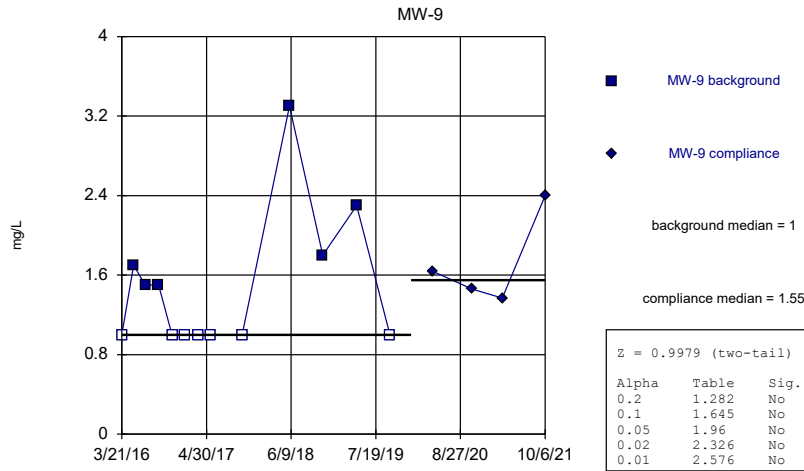
Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



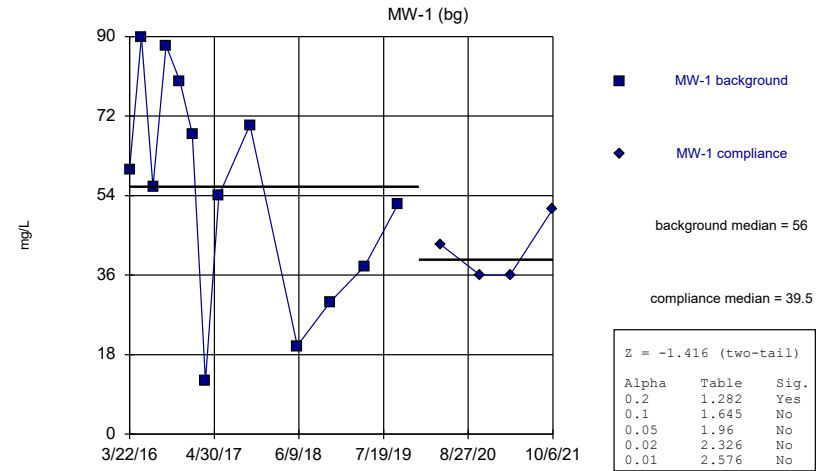
Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Sulfate Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

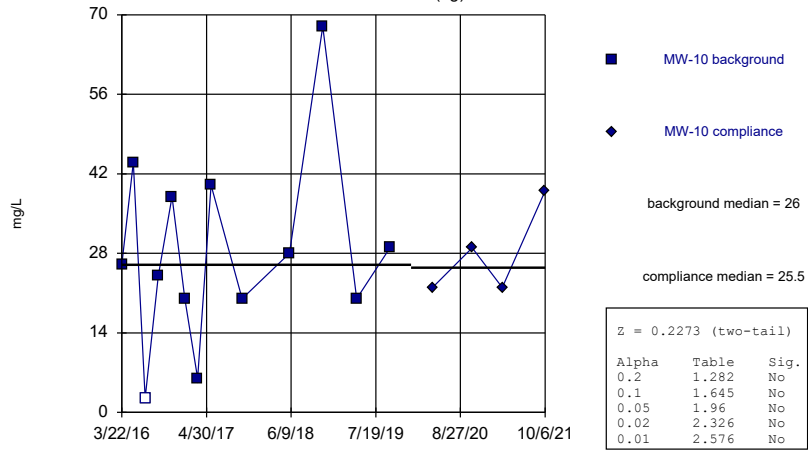
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

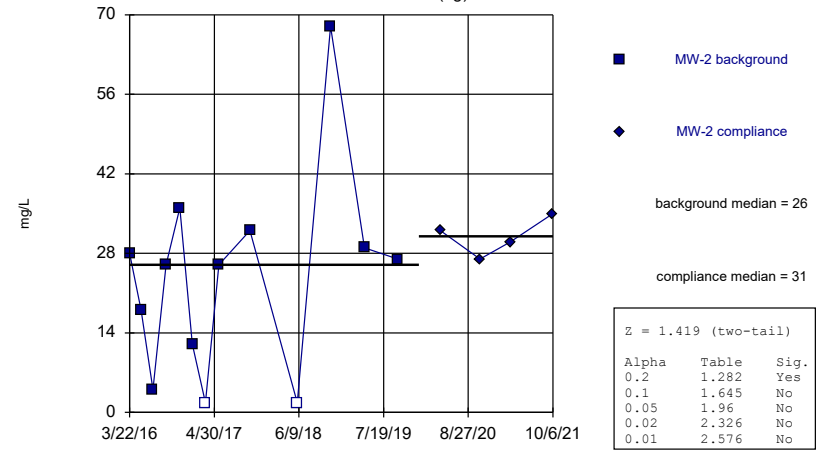
MW-10 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

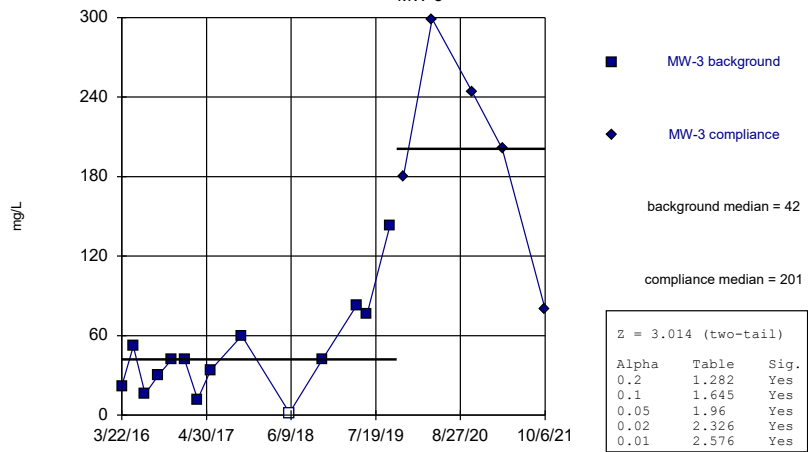
MW-2 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

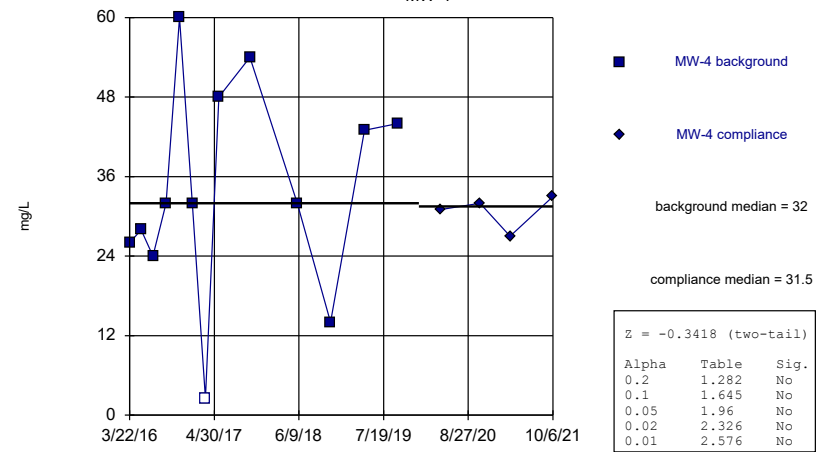
MW-3



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

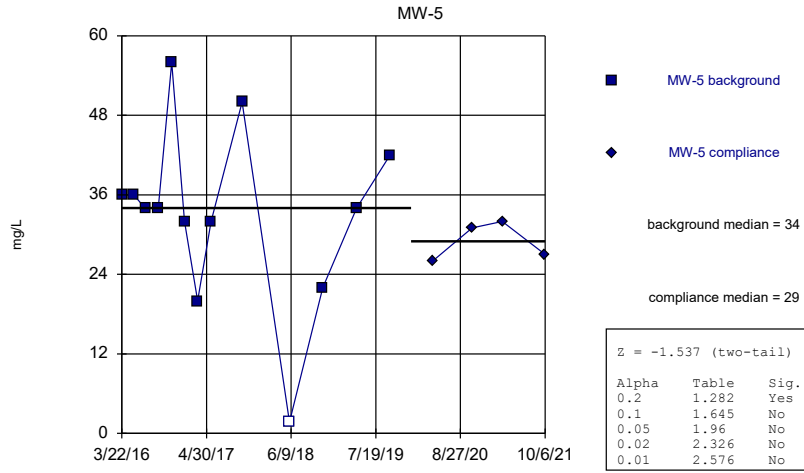
Mann-Whitney (Wilcoxon Rank Sum)

MW-4



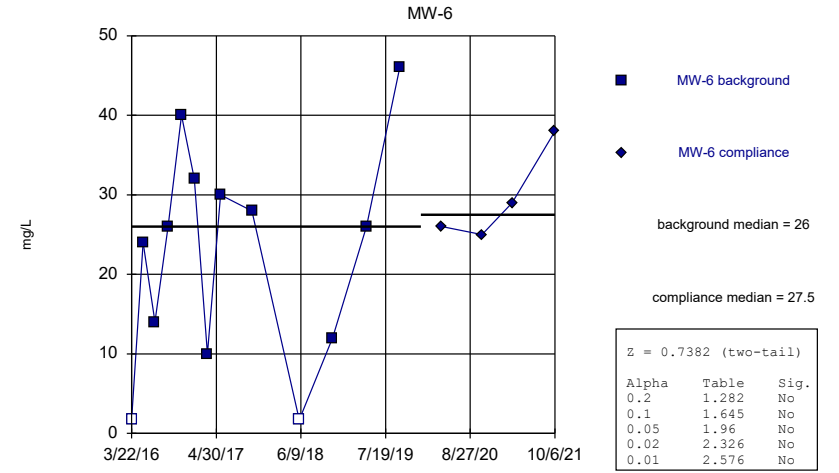
Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



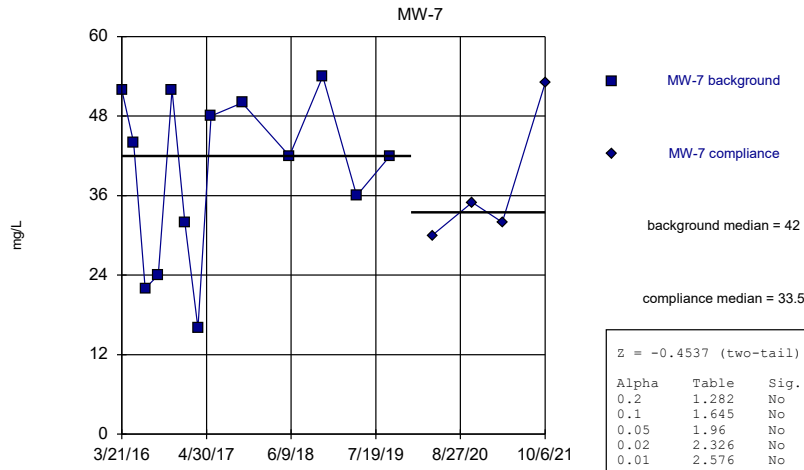
Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



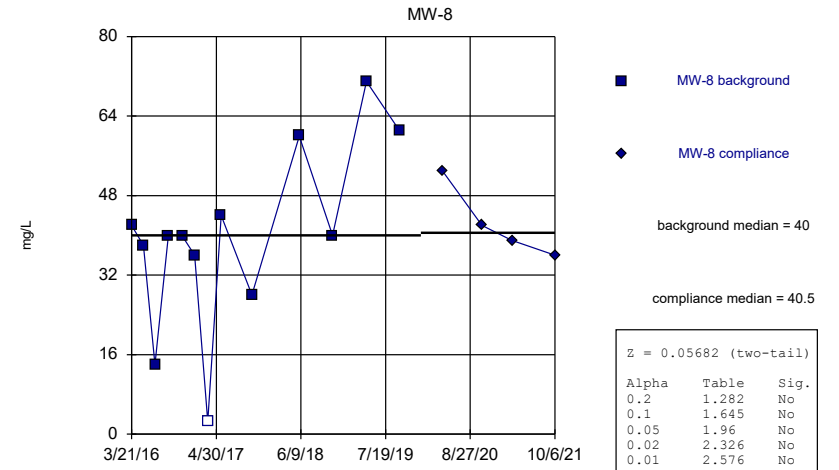
Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

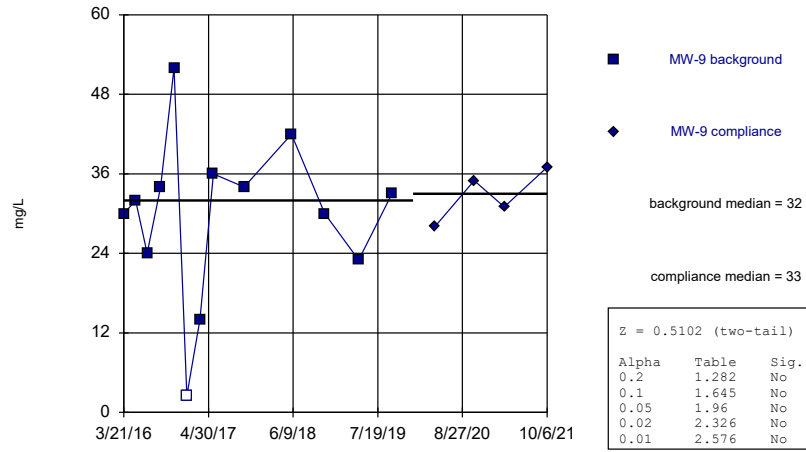
Mann-Whitney (Wilcoxon Rank Sum)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

MW-9



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 1:48 PM View: Mann-Whitney
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Boron (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Boron (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Boron (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Boron (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-3
3/22/2016	<0.05	
5/16/2016	<0.05	
7/11/2016	<0.05	
9/12/2016	<0.05	
11/16/2016	<0.05	
1/16/2017	<0.05	
3/20/2017	<0.05	
5/22/2017	<0.05	
10/17/2017	<0.05	
6/2/2018	<0.05	
11/7/2018	<0.05	
4/19/2019	<0.05	
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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Boron (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Boron (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Boron (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Calcium (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Chloride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: pH (SU) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney

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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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)

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Sulfate (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Mann-Whitney (Wilcoxon Rank Sum)

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/10/2022 1:49 PM View: Mann-Whitney
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limits - Intrawell

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/17/2022, 9:15 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	3/14/2022	2.87	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	3/15/2022	3.45	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
pH (SU)	MW-2	5.68	4.79	3/14/2022	4.62	Yes	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	MW-9	54.68	n/a	3/14/2022	56	Yes	17	30.44	10.85	5.882	None	No	0.001075	Param Intra 1 of 2

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/17/2022, 9:15 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	3/14/2022	0.08ND	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	3/14/2022	0.08ND	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	3/14/2022	0.08ND	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	3/14/2022	0.08ND	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	3/14/2022	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-5	0.08	n/a	3/15/2022	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	3/15/2022	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	3/15/2022	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	3/14/2022	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	3/14/2022	0.08ND	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	3/14/2022	2.65	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	3/14/2022	0.857	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	3/14/2022	0.982	No	19	0.932	0.1632	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	3/14/2022	2.87	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.387	n/a	3/14/2022	0.873	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	3/15/2022	1.7	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	3/15/2022	1.22	No	18	1.219	0.1643	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	3/15/2022	3.45	Yes	18	1.641	0.3837	0	None	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.587	n/a	3/14/2022	2.46	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	3/14/2022	0.609	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	3/14/2022	3.24	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	3/14/2022	7.95	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	3/14/2022	9.54	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	3/14/2022	10.4	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	3/14/2022	5.55	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	3/15/2022	3.61	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	3/15/2022	9.56	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	3/15/2022	12.8	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	3/14/2022	8.31	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	3/14/2022	4.03	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	3/14/2022	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	3/14/2022	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	3/14/2022	0.0271J	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	3/14/2022	0.0643J	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	3/14/2022	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	3/15/2022	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	3/15/2022	0.0268J	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	3/15/2022	0.0609J	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	3/14/2022	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	3/14/2022	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	3/14/2022	4.65	No	27	5.088	0.3167	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	3/14/2022	4.88	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	3/14/2022	4.62	Yes	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	3/14/2022	4.47	No	27	4.495	0.1441	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.101	4.653	3/14/2022	4.84	No	27	4.877	0.1084	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.555	3/15/2022	4.92	No	18	4.819	0.1199	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	3/15/2022	4.64	No	18	4.666	0.07694	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	3/15/2022	4.24	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	3/14/2022	4.65	No	17	4.665	0.1398	0	None	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	3/14/2022	4.76	No	18	4.904	0.06661	0	None	No	0.0005373	Param Intra 1 of 2

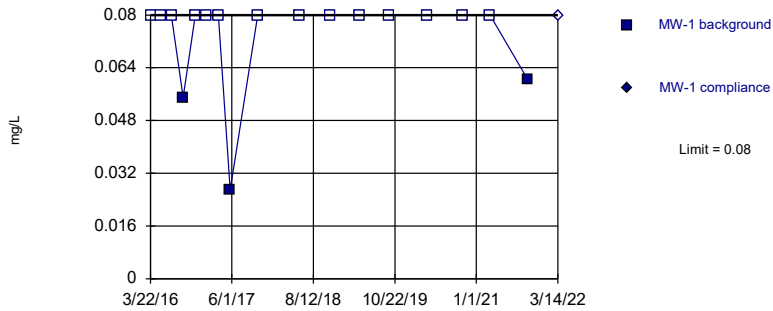
Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/17/2022, 9:15 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	12.38	n/a	3/14/2022	9.59	No	16	8.841	1.565	6.25	None	No	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	3/14/2022	1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	3/14/2022	0.861J	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	3/14/2022	2.2	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	3/14/2022	2.04	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	3/15/2022	5.54	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate (mg/L)	MW-6	5.186	n/a	3/15/2022	0.791J	No	17	1.529	0.3348	11.76	None	sqrt(x)	0.001075	Param Intra 1 of 2
Sulfate (mg/L)	MW-7	1.57	n/a	3/15/2022	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	3/14/2022	3.09	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	3/14/2022	1.58	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	3/14/2022	38	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	3/14/2022	26	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	3/14/2022	29	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	3/14/2022	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	3/14/2022	16	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	3/15/2022	12	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	3/15/2022	24	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	3/15/2022	54	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	3/14/2022	23	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	3/14/2022	56	Yes	17	30.44	10.85	5.882	None	No	0.001075	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

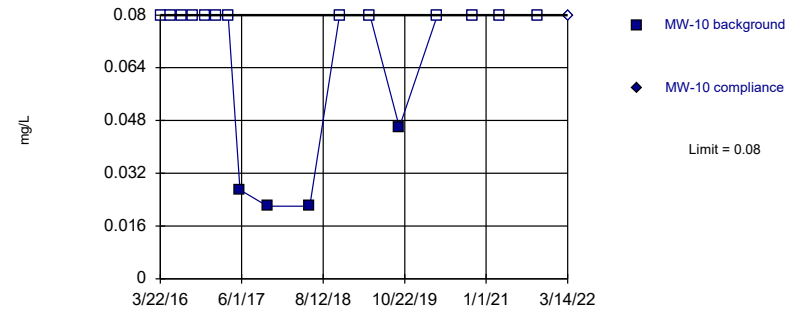


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

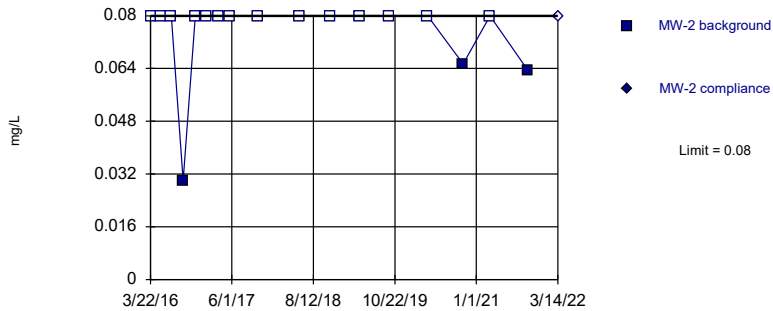


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

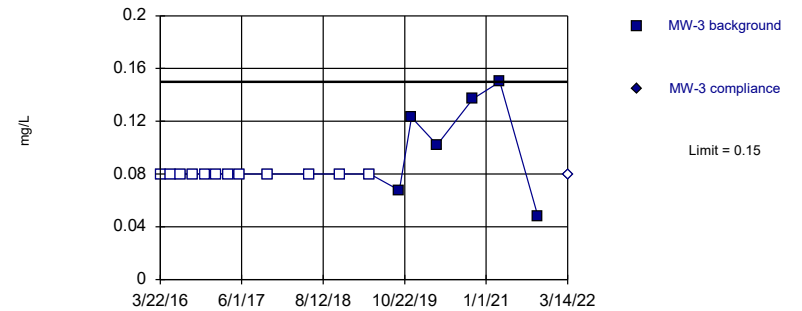


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

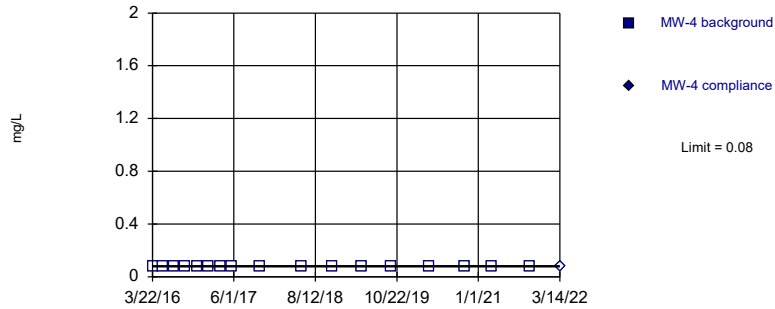


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

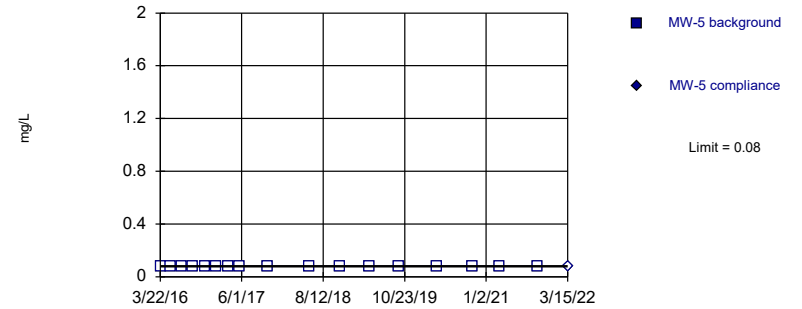


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

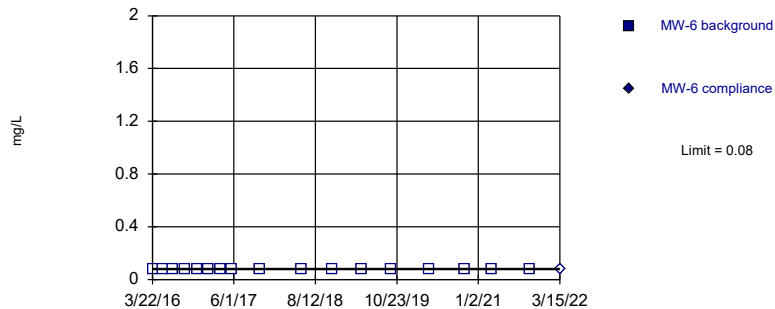


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

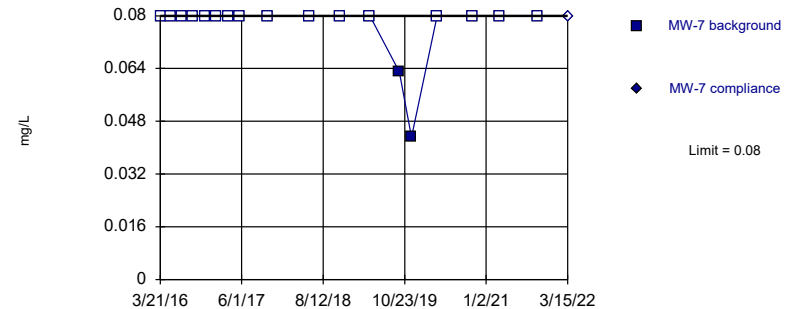


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

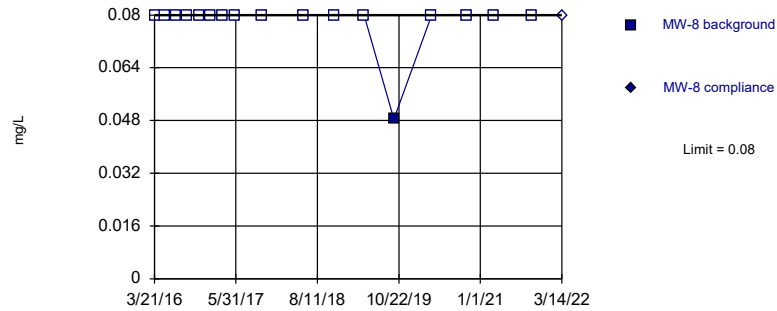


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

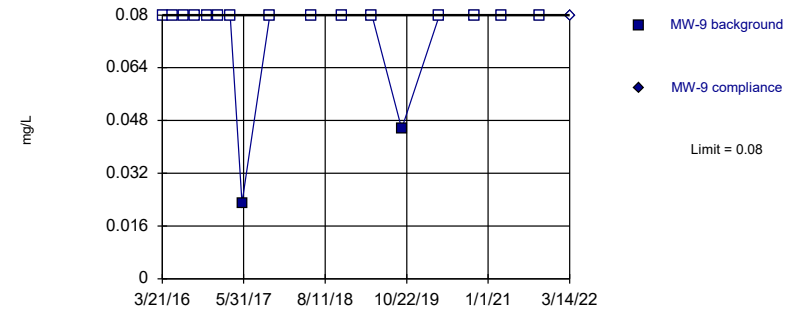


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

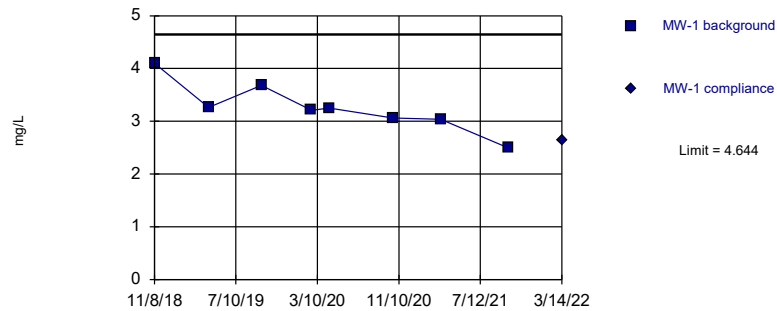


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

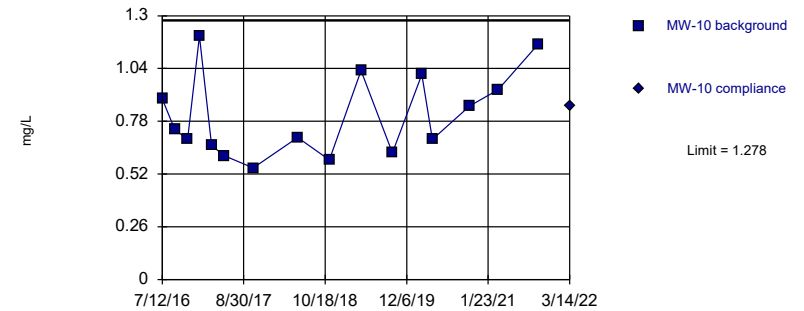


Background Data Summary: Mean=3.261, Std. Dev.=0.473, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.749. Kappa = 2.923 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

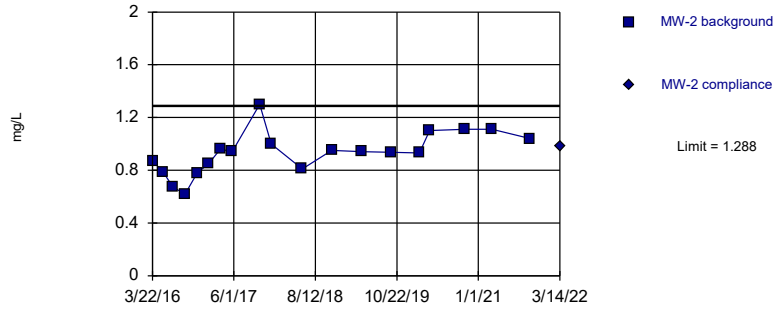


Background Data Summary: Mean=0.8085, Std. Dev.=0.2075, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9117, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

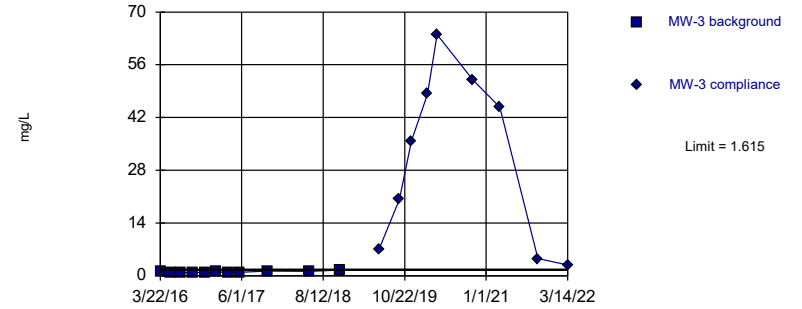


Background Data Summary: Mean=0.932, Std. Dev.=0.1632, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9763, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

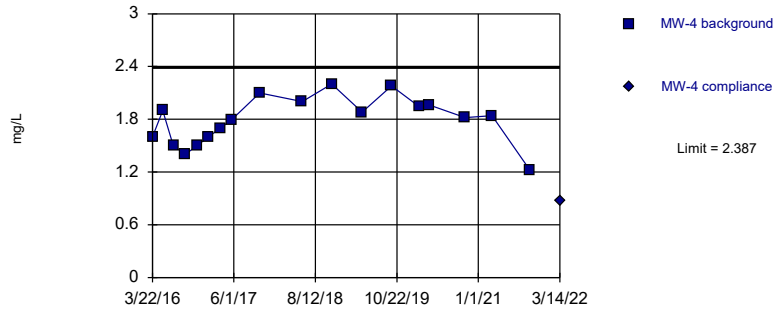


Background Data Summary: Mean=1.044, Std. Dev.=0.2254, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.792. Kappa = 2.535 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

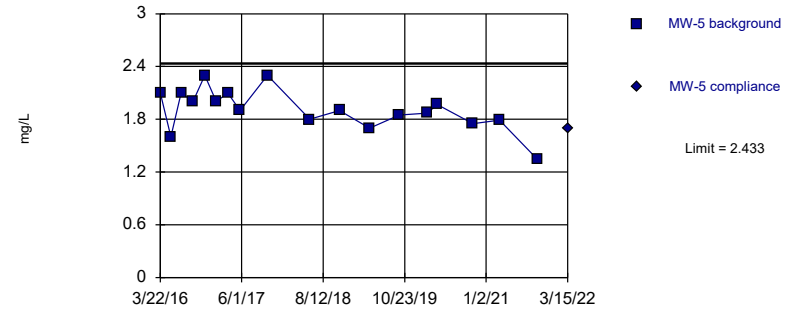


Background Data Summary: Mean=1.786, Std. Dev.=0.2723, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:12 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

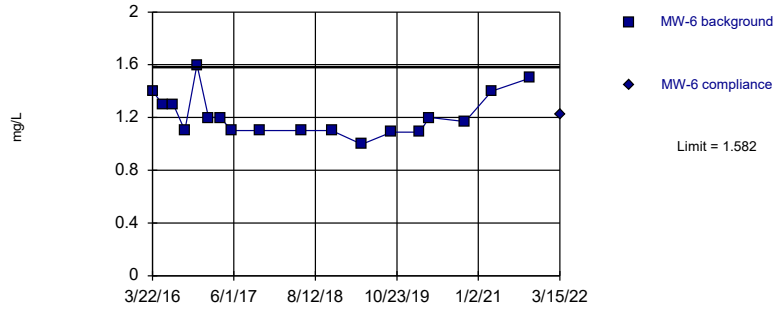


Background Data Summary: Mean=1.909, Std. Dev.=0.237, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9661, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

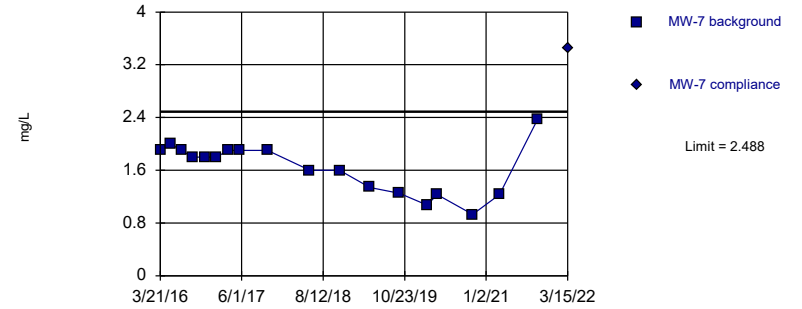


Background Data Summary: Mean=1.219, Std. Dev.=0.1643, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8836, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

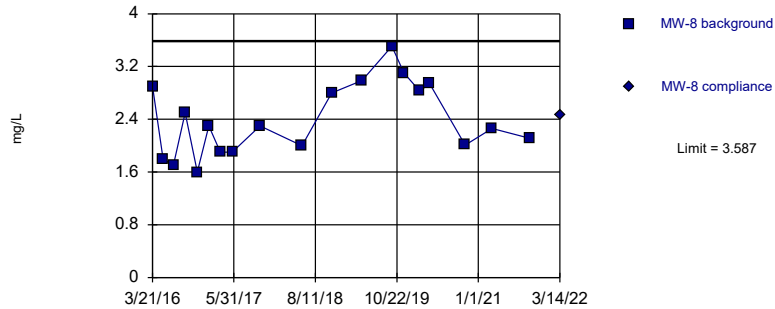


Background Data Summary: Mean=1.641, Std. Dev.=0.3837, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.927, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

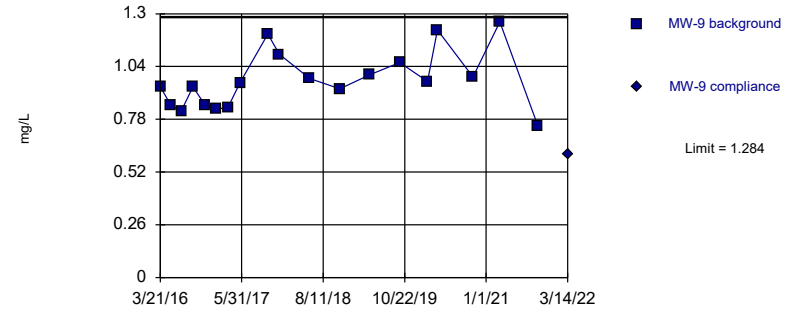


Background Data Summary: Mean=2.392, Std. Dev.=0.5473, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9457, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

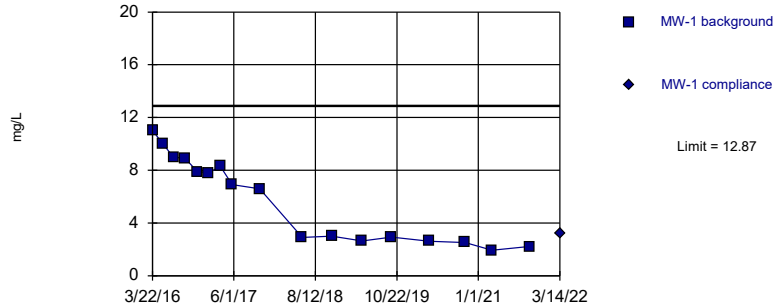


Background Data Summary: Mean=0.9727, Std. Dev.=0.1426, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9372, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

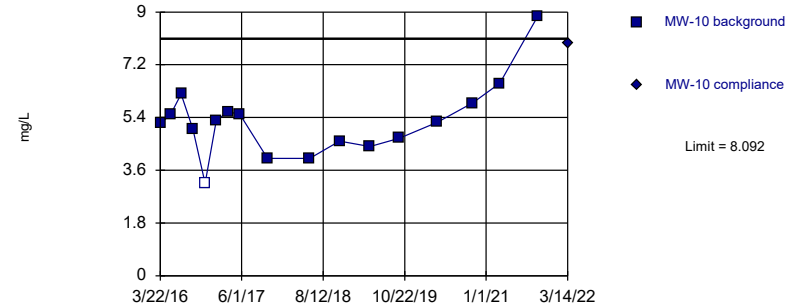


Background Data Summary: Mean=5.716, Std. Dev.=3.201, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.857, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

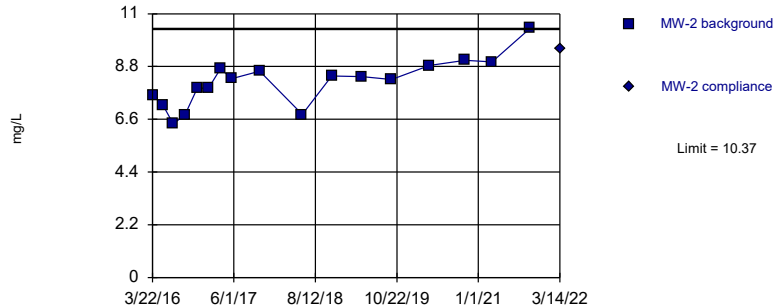


Background Data Summary: Mean=5.278, Std. Dev.=1.259, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9135, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

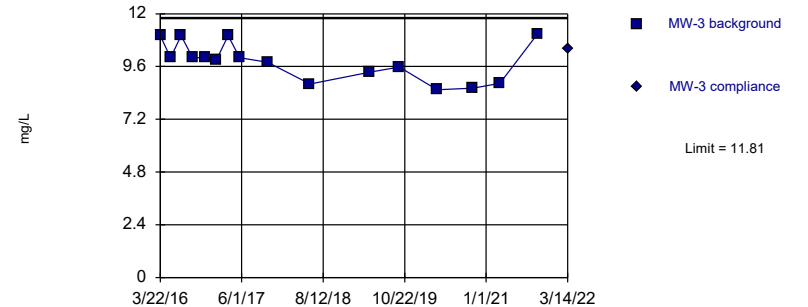


Background Data Summary: Mean=8.149, Std. Dev.=0.9926, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9623, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

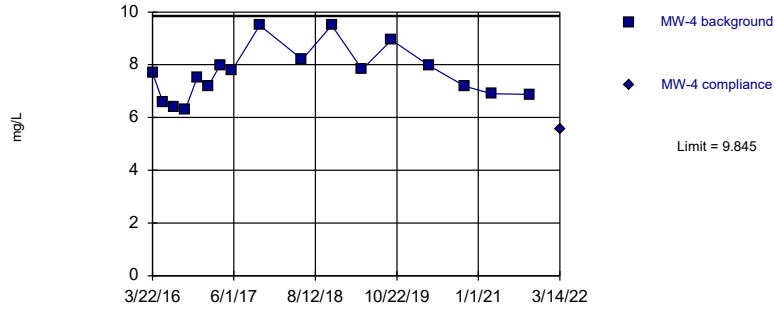


Background Data Summary: Mean=9.844, Std. Dev.=0.8683, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9056, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

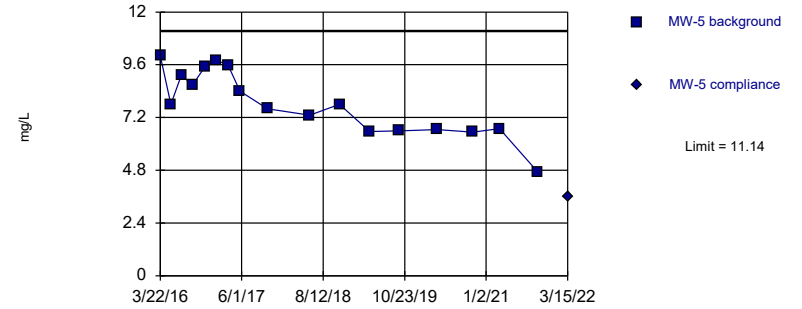


Background Data Summary: Mean=7.669, Std. Dev.=0.9736, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9376, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

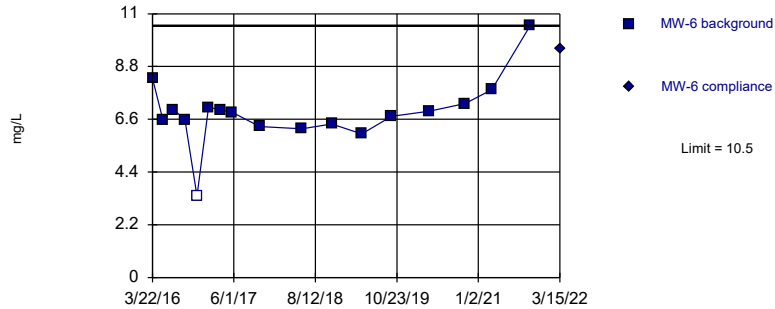


Background Data Summary: Mean=7.845, Std. Dev.=1.472, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

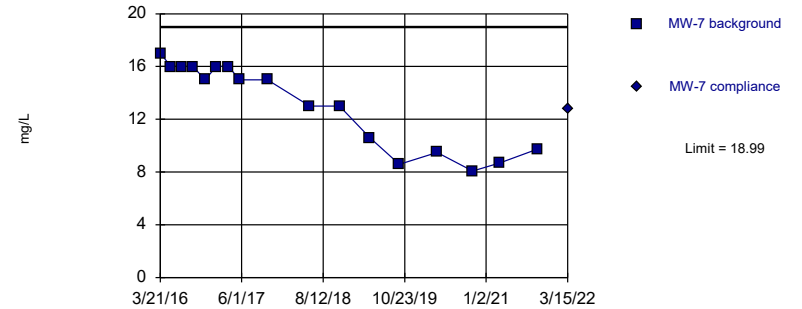


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

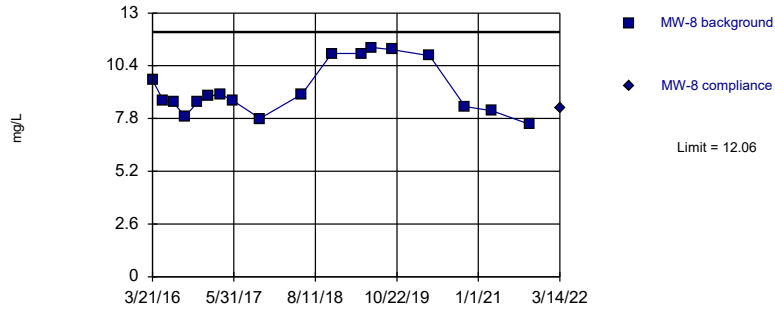


Background Data Summary (based on square transformation): Mean=182, Std. Dev.=79.97, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8578, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

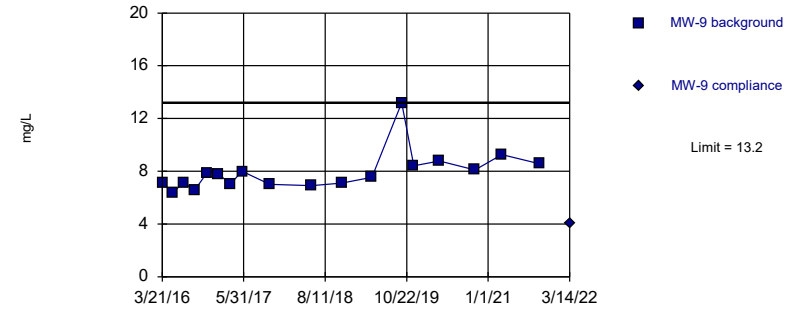


Background Data Summary: Mean=9.243, Std. Dev.=1.274, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8718, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

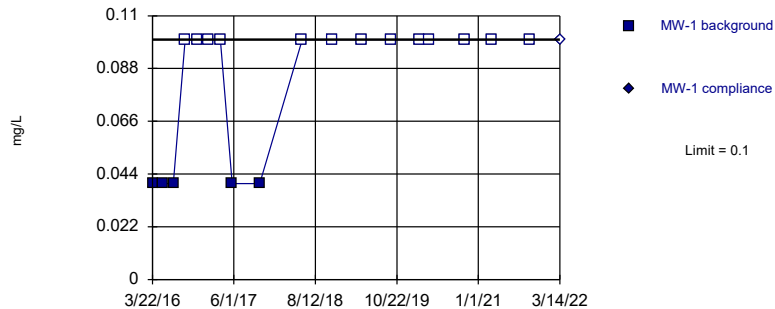


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Chloride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

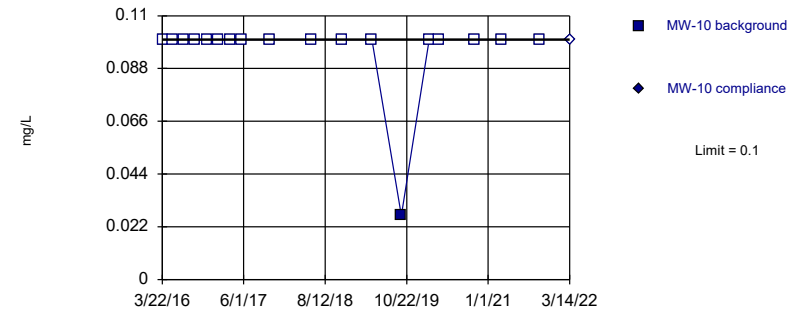


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

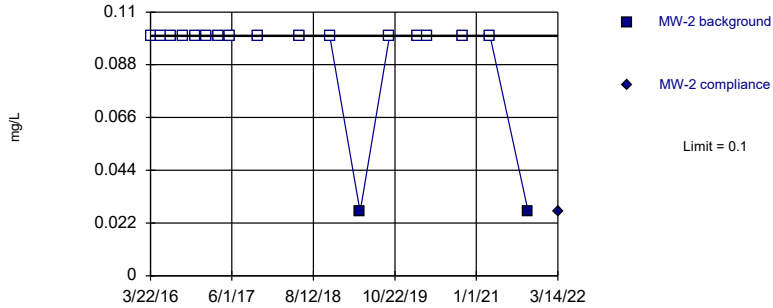


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

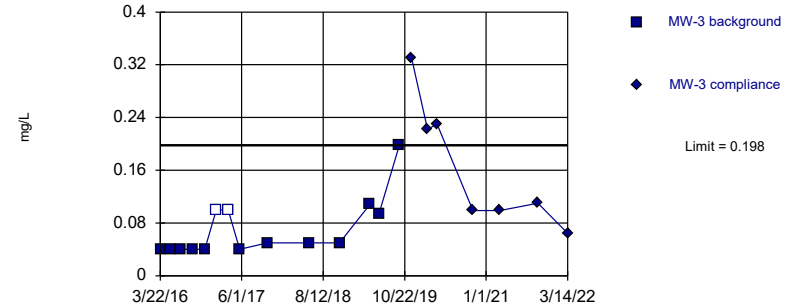


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

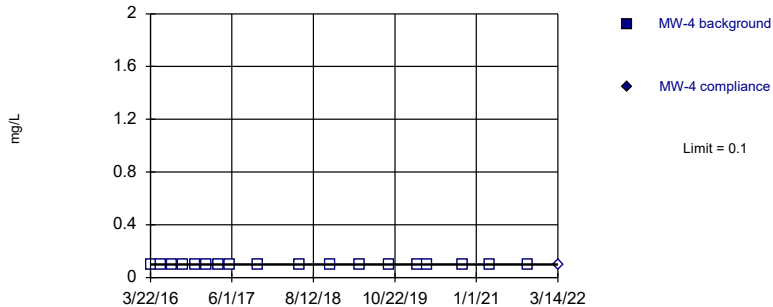


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 14.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

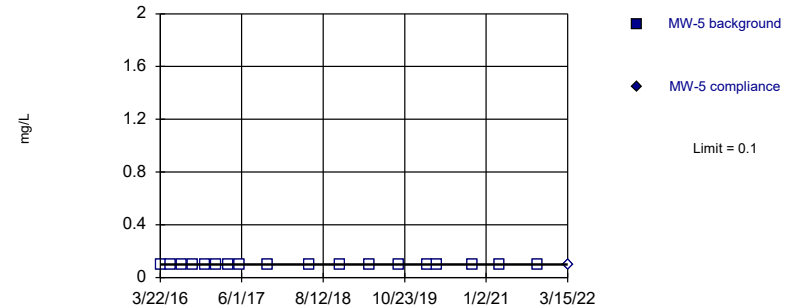


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

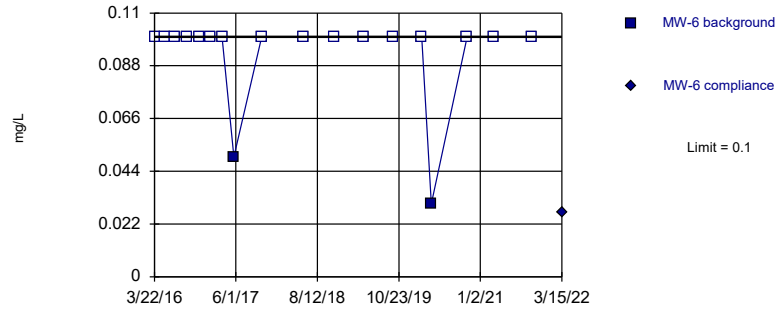


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

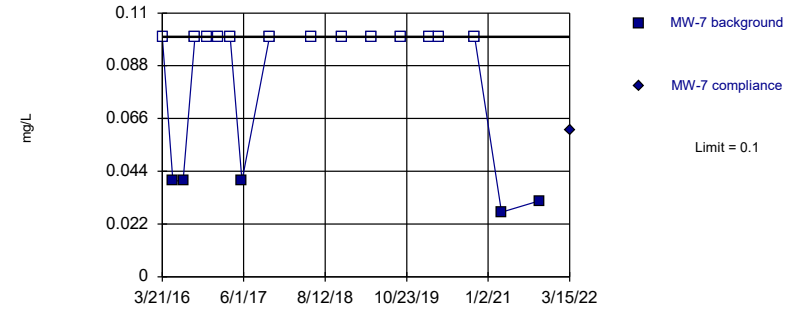


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

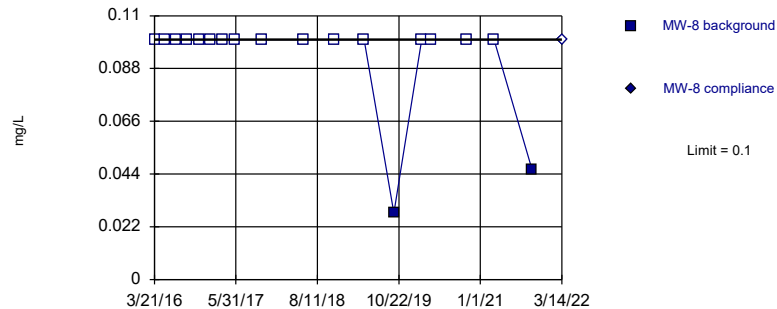


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

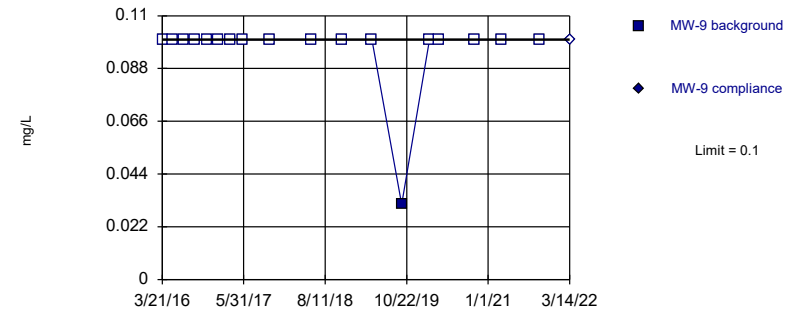


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

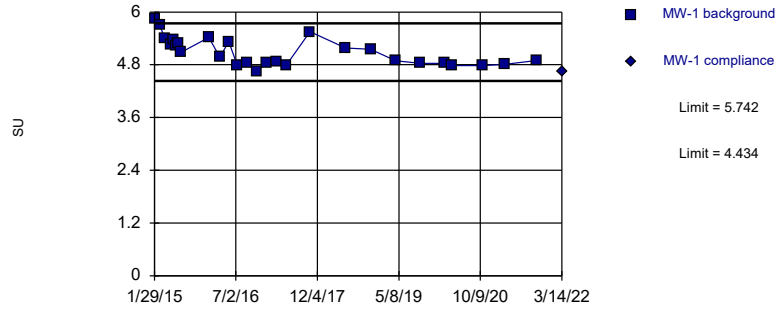


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

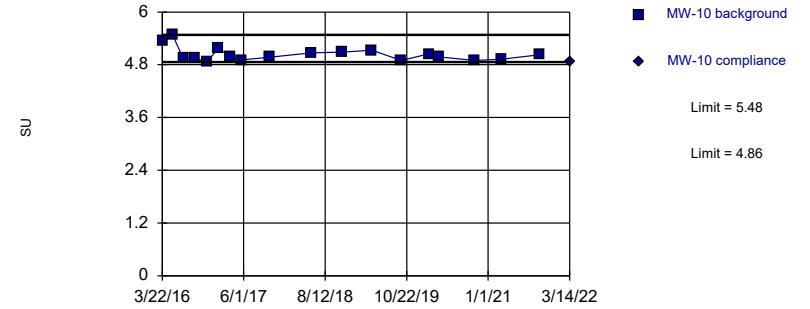


Background Data Summary: Mean=5.088, Std. Dev.=0.3167, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

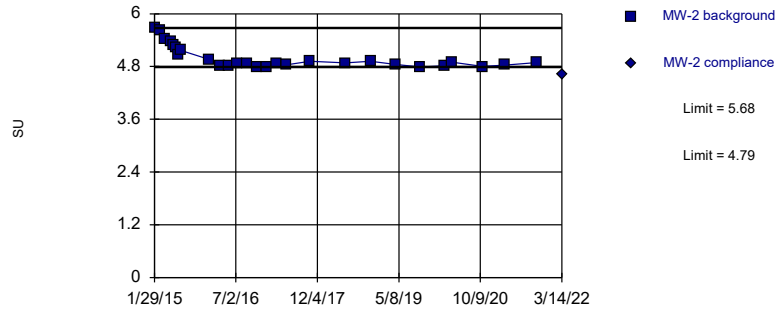


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limits

Prediction Limit
Intrawell Non-parametric

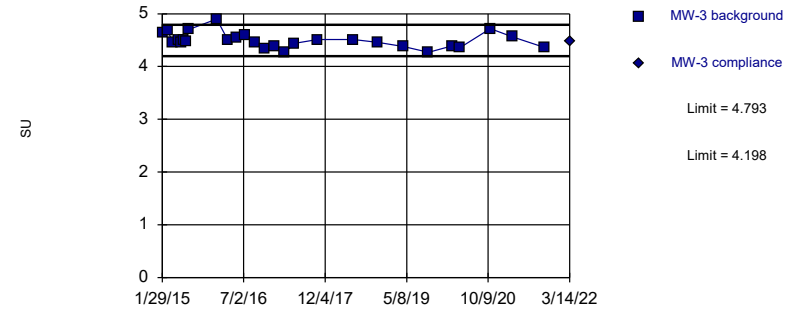


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 27 background values. Well-constituent pair annual alpha = 0.009996. Individual comparison alpha = 0.005004 (1 of 2).

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

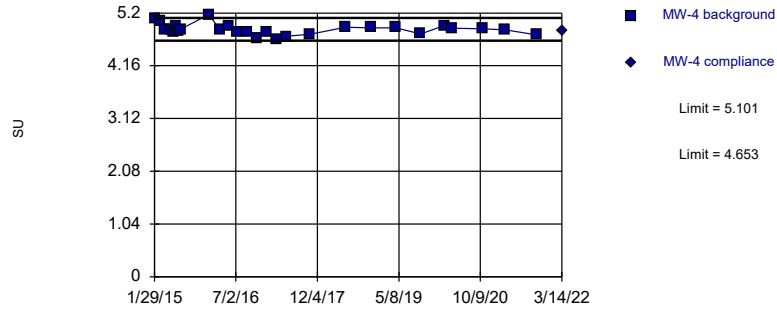


Background Data Summary: Mean=4.495, Std. Dev.=0.1441, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.95, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

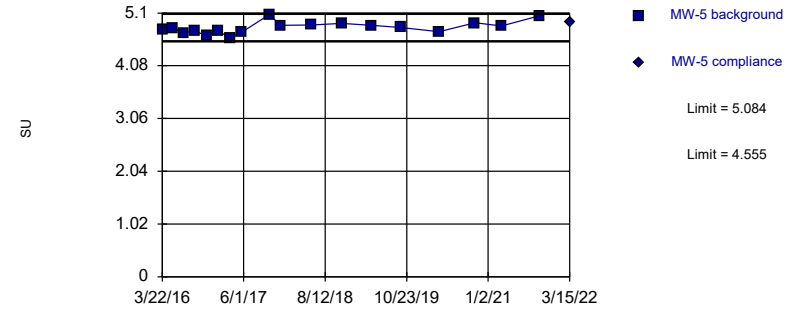


Background Data Summary: Mean=4.877, Std. Dev.=0.1084, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9473, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

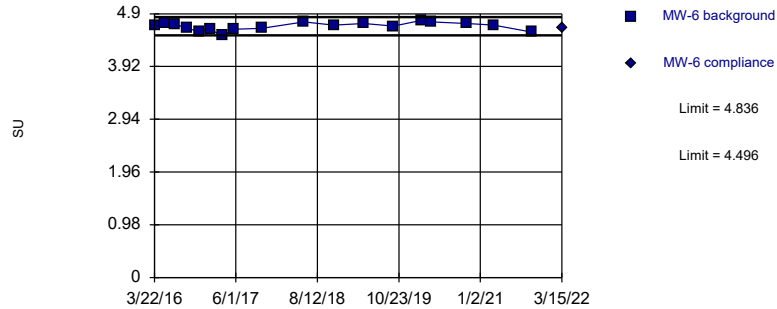


Background Data Summary: Mean=4.819, Std. Dev.=0.1199, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

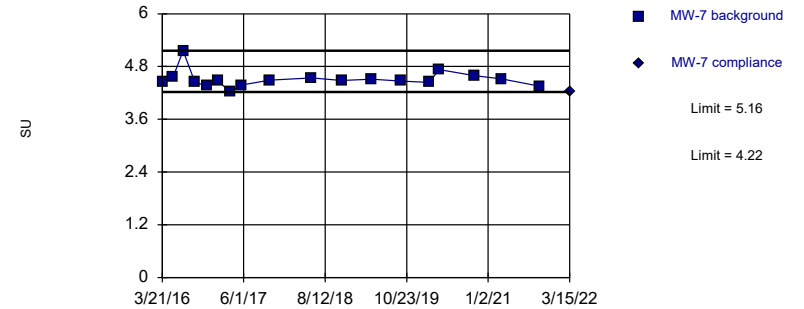


Background Data Summary: Mean=4.666, Std. Dev.=0.07694, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9541, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

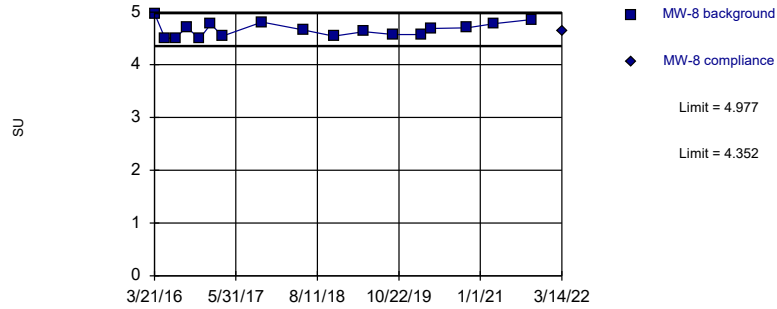


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

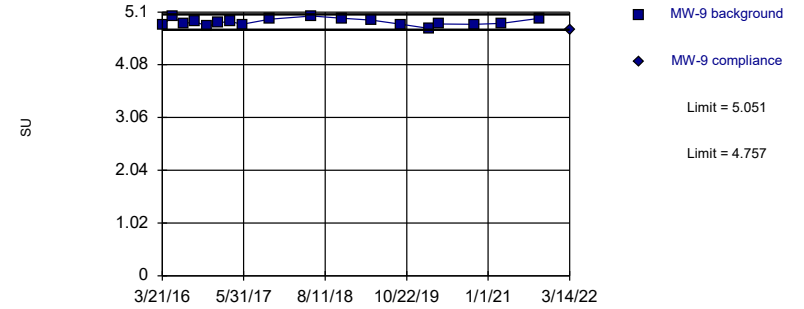


Background Data Summary: Mean=4.665, Std. Dev.=0.1398, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

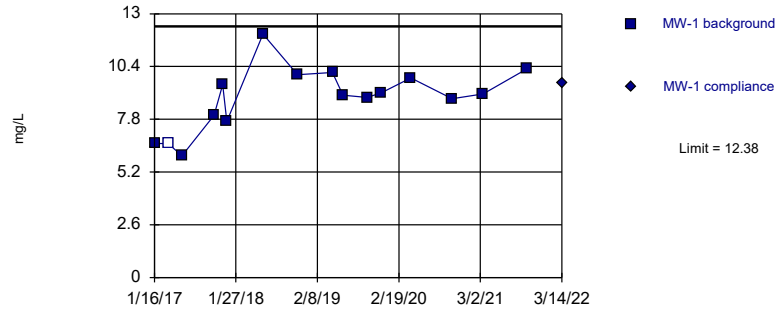


Background Data Summary: Mean=4.904, Std. Dev.=0.06661, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

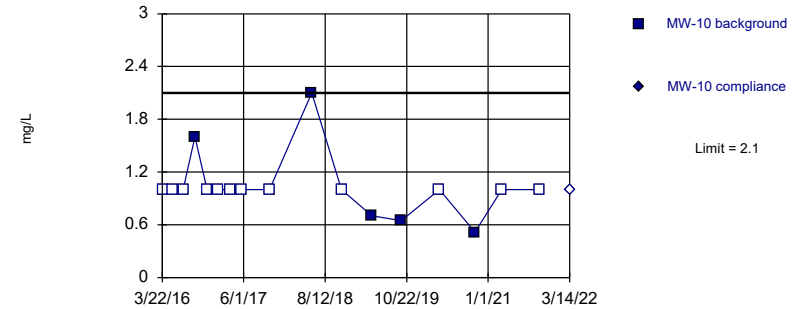


Background Data Summary: Mean=8.841, Std. Dev.=1.565, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9571, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

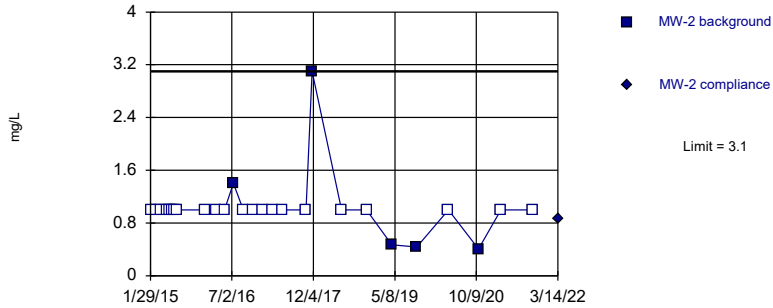


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

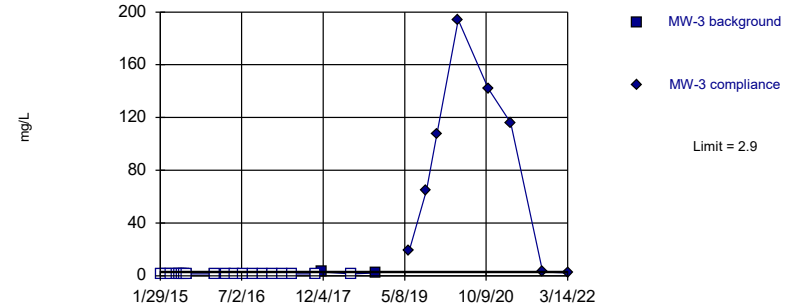


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

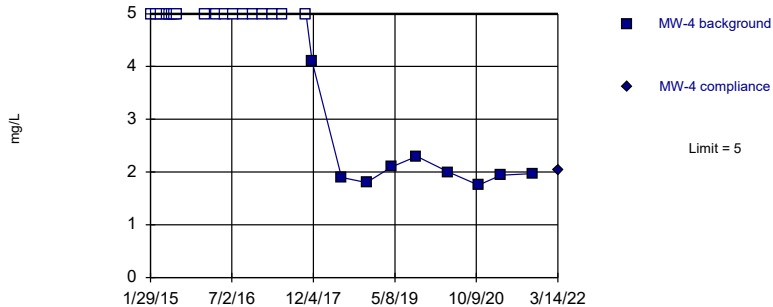


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

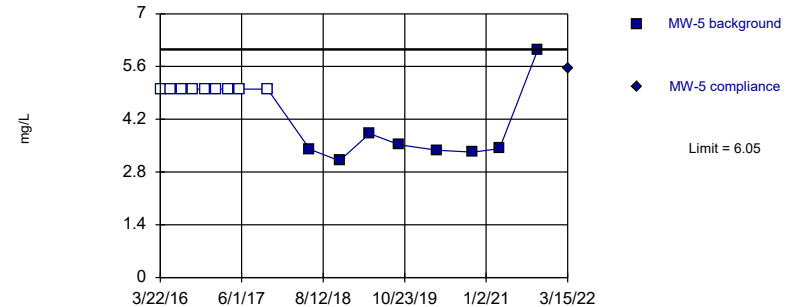


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

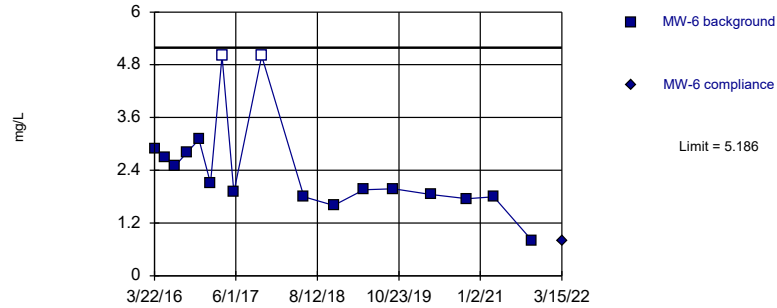


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

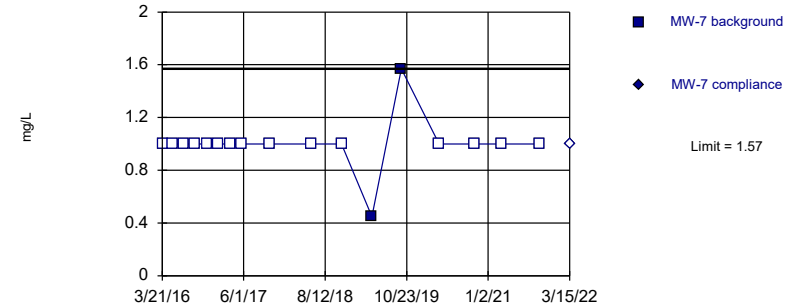


Background Data Summary (based on square root transformation): Mean=1.529, Std. Dev.=0.3348, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8928, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

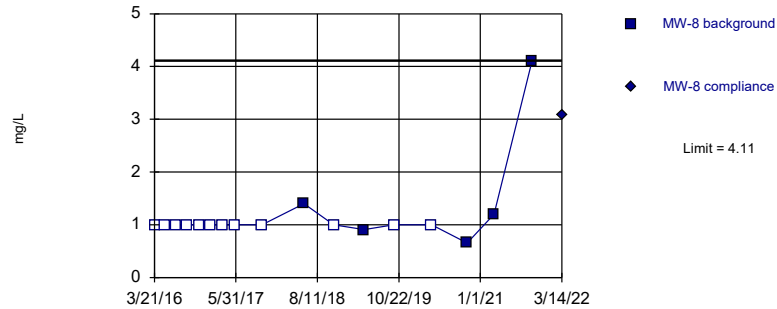


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

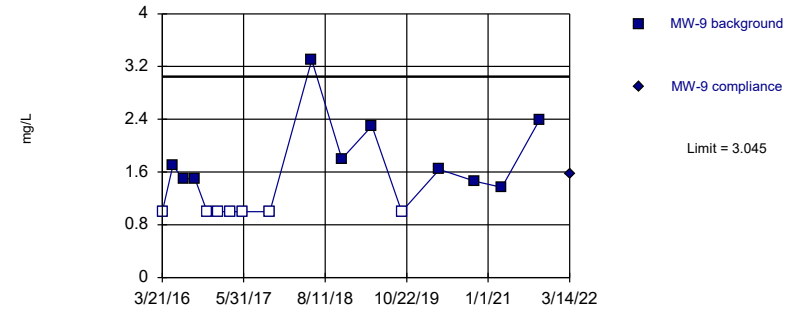


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

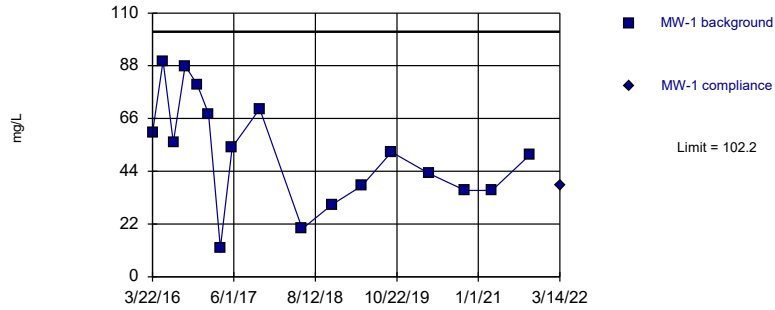


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.127, Std. Dev.=0.1444, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8517, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

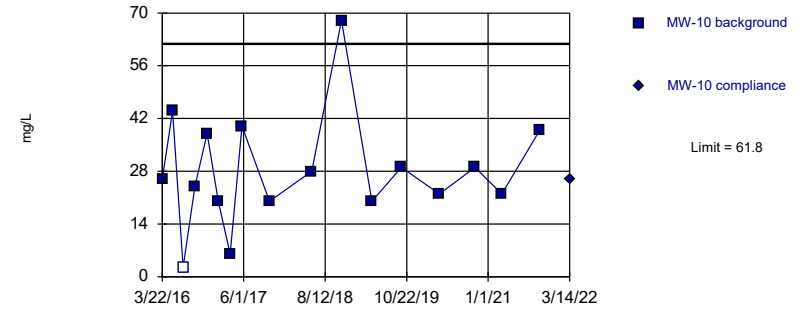


Background Data Summary: Mean=52, Std. Dev.=22.48, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9759, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

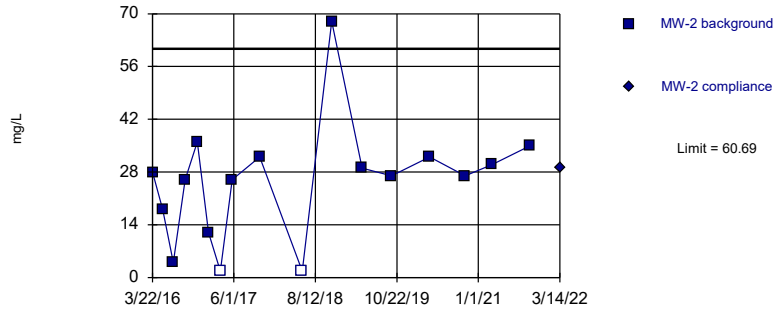


Background Data Summary: Mean=28.09, Std. Dev.=15.09, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9241, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

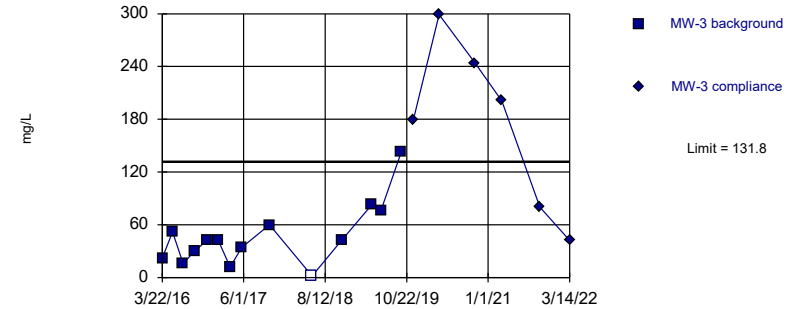


Background Data Summary: Mean=25.49, Std. Dev.=15.75, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8725, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

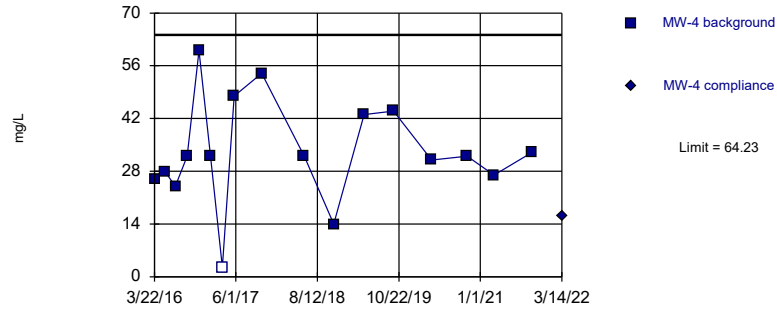


Background Data Summary: Mean=46.84, Std. Dev.=36.1, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8882, critical = 0.825. Kappa = 2.355 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

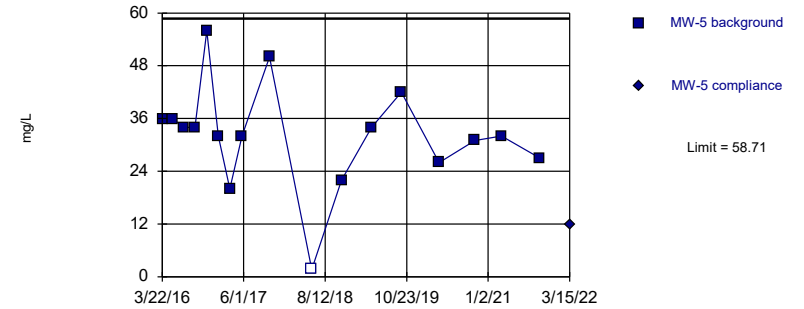


Background Data Summary: Mean=33.09, Std. Dev.=13.93, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9527, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

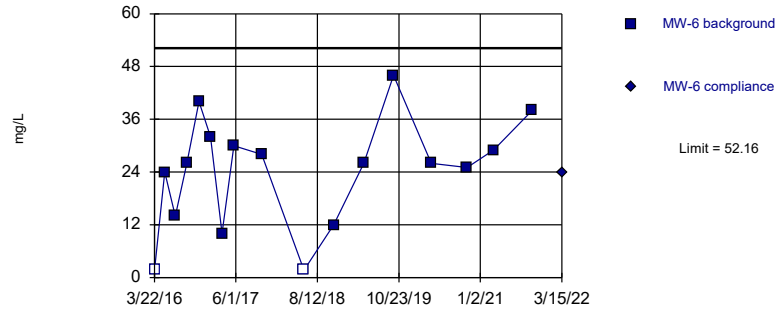


Background Data Summary: Mean=32.1, Std. Dev.=11.91, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9243, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

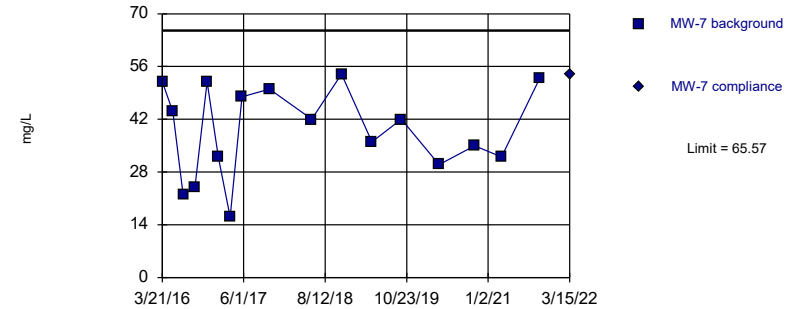


Background Data Summary: Mean=24.08, Std. Dev.=12.56, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

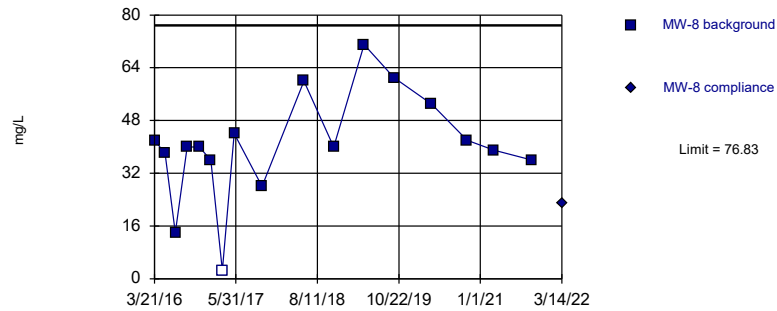


Background Data Summary: Mean=39.06, Std. Dev.=11.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9358, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:13 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

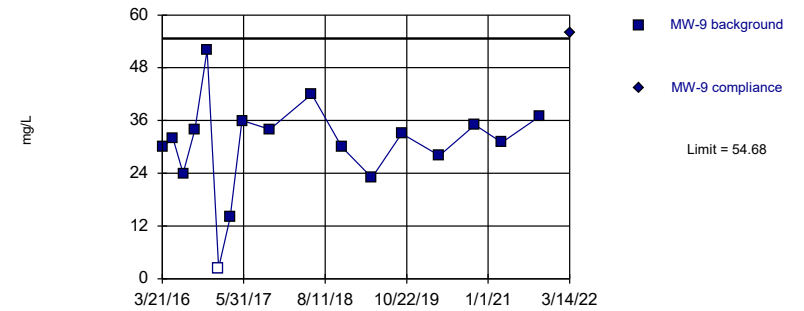


Background Data Summary: Mean=40.38, Std. Dev.=16.31, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 5/17/2022 9:14 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds 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 5/17/2022 9:14 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 5/17/2022 9:15 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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: Inrawell 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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/17/2022 9:15 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Trend Tests - Prediction Limit Exceedances

Appendix III Trend Tests - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:50 PM

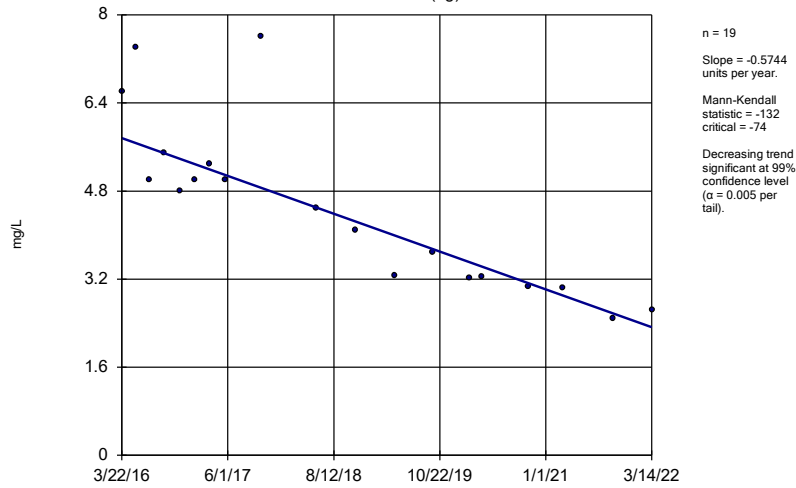
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	MW-1 (bg)	-0.5744	-132	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.05067	89	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	1.09	116	81	Yes	20	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:50 PM

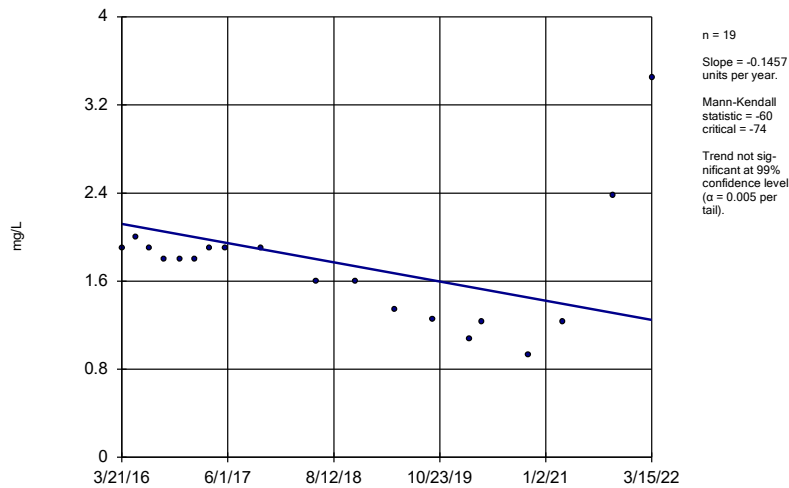
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5744	-132	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-10 (bg)	0.03229	19	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.05067	89	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	1.09	116	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-7	-0.1457	-60	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-1 (bg)	-5.947	-61	-68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.5868	15	68	No	18	5.556	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-2 (bg)	1.573	42	68	No	18	11.11	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-9	1.496	35	68	No	18	5.556	n/a	n/a	0.01	NP

Sen's Slope Estimator
MW-1 (bg)



Sen's Slope Estimator

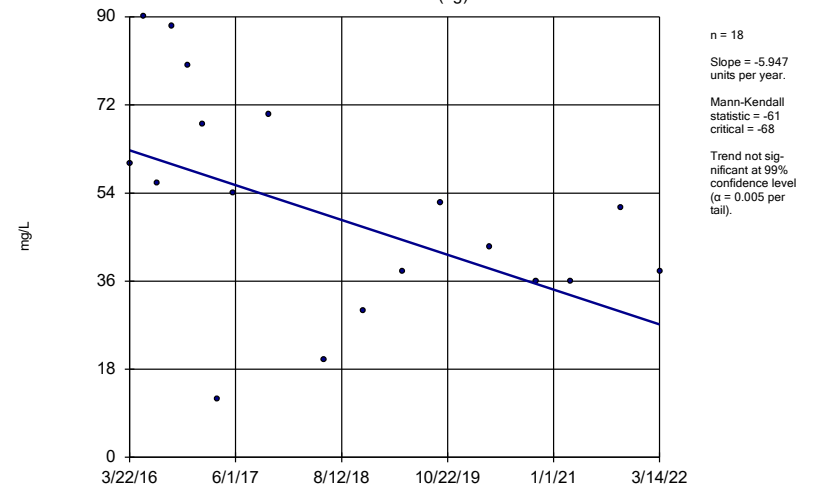
MW-7



Constituent: Calcium Analysis Run 5/10/2022 3:49 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

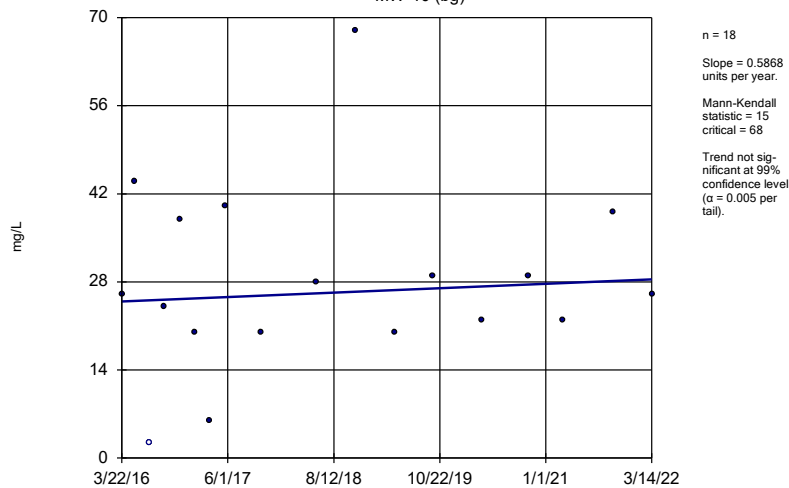
MW-1 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:49 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

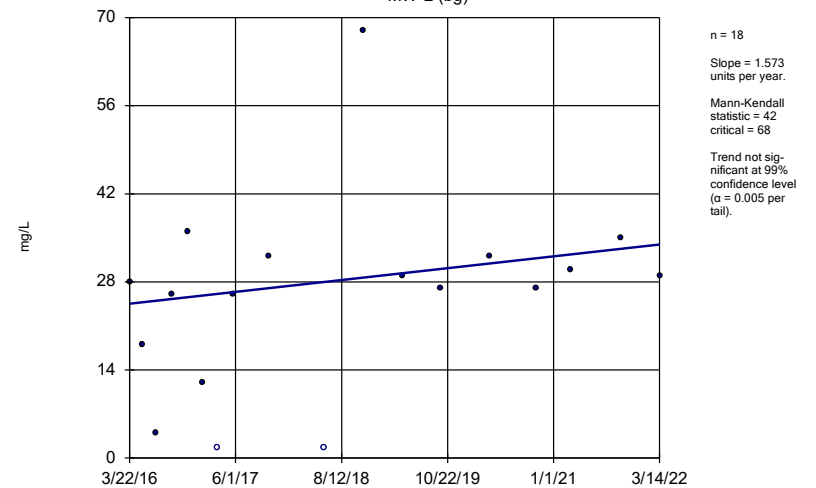
MW-10 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:49 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

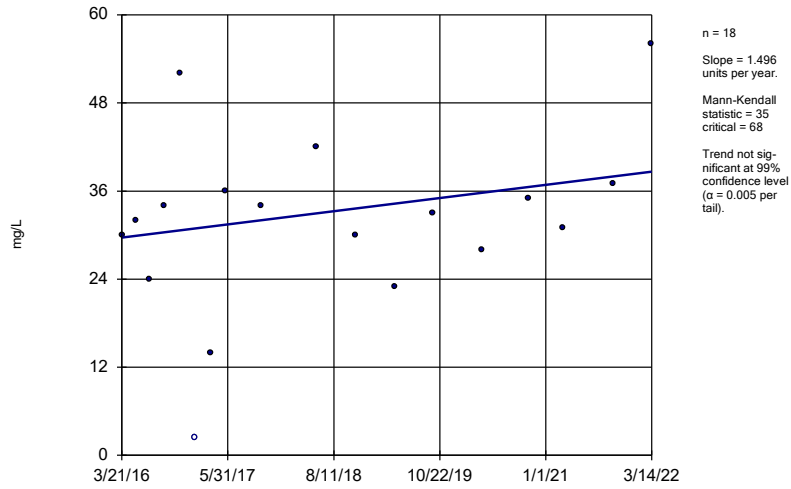
MW-2 (bg)



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:49 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-9



Constituent: Total Dissolved Solids Analysis Run 5/10/2022 3:49 PM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Upper Tolerance Limits

Upper Tolerance Limit Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:51 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower 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)	n/a	0.002	n/a	n/a	n/a	n/a	39	n/a	n/a	97.44	n/a	n/a	0.1353	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a	42	n/a	n/a	83.33	n/a	n/a	0.116	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	n/a	62	n/a	n/a	0	n/a	n/a	0.04158	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	42	n/a	n/a	78.57	n/a	n/a	0.116	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	39	n/a	n/a	100	n/a	n/a	0.1353	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	n/a	59	n/a	n/a	91.53	n/a	n/a	0.04849	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a	42	n/a	n/a	0	n/a	n/a	0.116	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.35	n/a	n/a	n/a	n/a	41	1.008	0.388	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	n/a	57	n/a	n/a	84.21	n/a	n/a	0.05373	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	42	n/a	n/a	76.19	n/a	n/a	0.116	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	39	n/a	n/a	89.74	n/a	n/a	0.1353	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	n/a	59	n/a	n/a	93.22	n/a	n/a	0.04849	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a	39	n/a	n/a	94.87	n/a	n/a	0.1353	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	n/a	59	n/a	n/a	83.05	n/a	n/a	0.04849	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a	39	n/a	n/a	84.62	n/a	n/a	0.1353	NP Inter(NDs)

Groundwater Protection Standards

PLANT DANIEL GSA CCR GWPS TABLE				
Constituent Name	MCL	CCR Rule-Specified	Background Limit	GWPS
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		0.22	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		3.35	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*

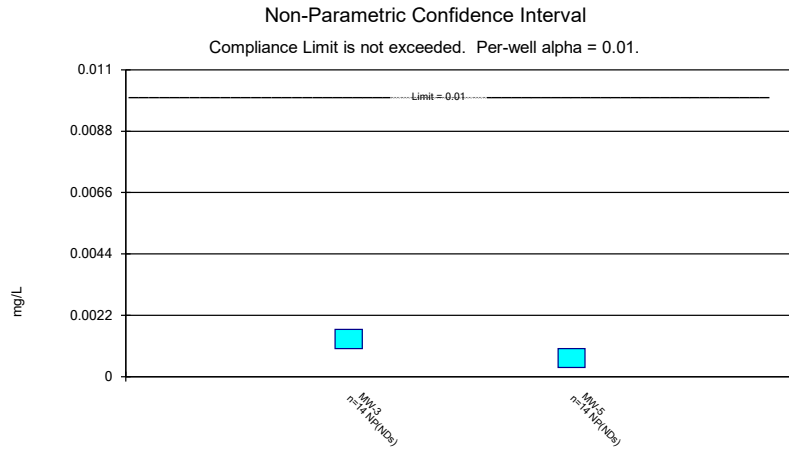
**GWPS = Groundwater Protection Standard*

Confidence Intervals

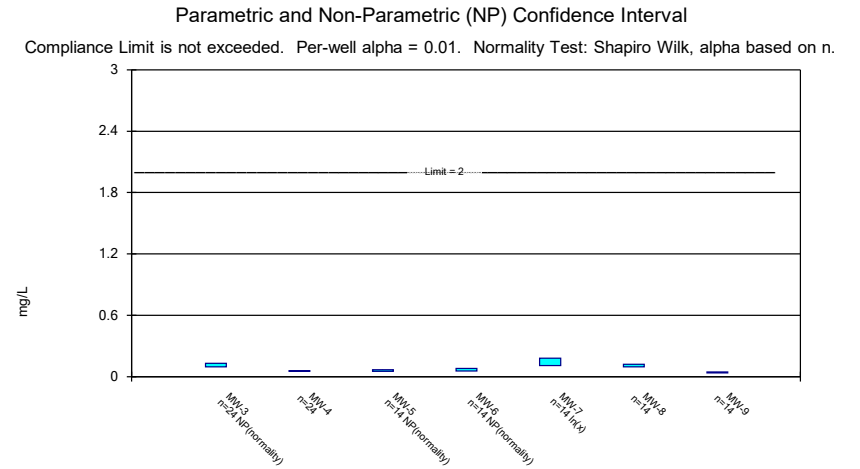
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 5/10/2022, 3:55 PM

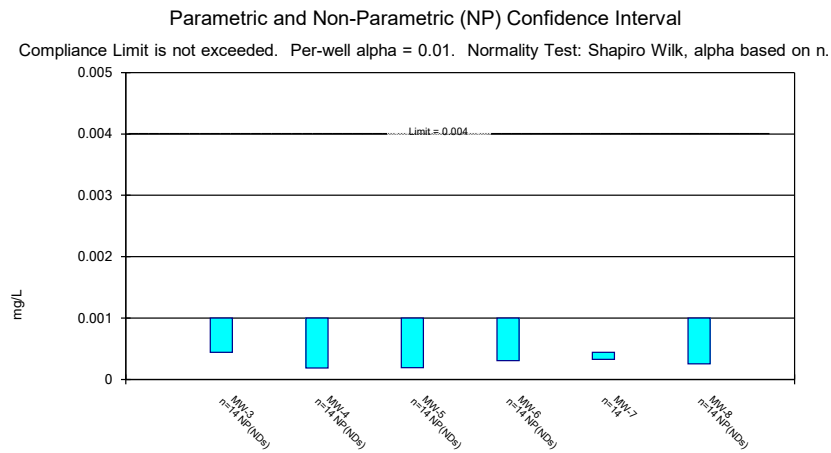
Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	MW-3	0.00169	0.001	0.01	No	14	0.001353	0.0007331	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	14	0.0009523	0.0001785	92.86	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	24	0.1145	0.02955	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.05946	0.05181	2	No	24	0.05564	0.007499	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0515	2	No	14	0.06236	0.006941	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.0789	0.0557	2	No	14	0.07044	0.01676	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1801	0.1096	2	No	14	0.1488	0.05448	0	None	In(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1191	0.09504	2	No	14	0.1071	0.01699	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04589	0.0348	2	No	14	0.04034	0.007832	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.001	0.00044	0.004	No	14	0.0007869	0.0002605	57.14	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	14	0.0009419	0.0002176	92.86	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	14	0.0009422	0.0002162	92.86	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	14	0.0009502	0.0001863	92.86	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.000441	0.0003265	0.004	No	14	0.0003838	0.00008081	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.000255	0.004	No	14	0.0007109	0.0003486	57.14	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000233	0.005	No	13	0.001033	0.0004097	84.62	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	23	0.002104	0.0004791	91.3	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	23	0.002091	0.0004379	95.65	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	13	0.002031	0.0001109	92.31	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00328	0.0016	0.006	No	14	0.002358	0.0008095	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001684	0.001356	0.006	No	14	0.00152	0.0002314	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.001177	0.000896	0.006	No	14	0.001046	0.0002238	0	None	In(x)	0.01	Param.
Cobalt (mg/L)	MW-6	0.00275	0.001875	0.006	No	14	0.002313	0.0006175	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.002603	0.001652	0.006	No	14	0.002127	0.0006712	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-8	0.001624	0.001276	0.006	No	14	0.00145	0.0002457	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001215	0.001012	0.006	No	14	0.001113	0.0001435	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.481	1.956	5	No	14	2.719	1.076	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.331	0.8843	5	No	14	1.108	0.3153	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.522	1.01	5	No	14	1.266	0.3612	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.312	0.9086	5	No	14	1.11	0.2847	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.453	1.679	5	No	14	2.633	1.449	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.305	1.811	5	No	14	2.058	0.3484	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9463	0.6152	5	No	14	0.7807	0.2337	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.1173	0.05596	4	No	21	0.1021	0.07913	9.524	None	In(x)	0.01	Param.
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	19	0.08985	0.02443	84.21	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	19	0.08103	0.02933	68.42	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	19	0.09334	0.02017	89.47	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	19	0.09638	0.01576	94.74	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.00107	0.00039	0.015	No	14	0.0007344	0.0003656	7.143	None	No	0.01	NP (normality)
Lead (mg/L)	MW-4	0.001	0.000224	0.015	No	14	0.0008269	0.0003441	78.57	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000592	0.015	No	14	0.0009104	0.0002436	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.00017	0.015	No	14	0.0007739	0.0003745	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	14	0.0008768	0.0003132	85.71	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.000215	0.015	No	14	0.0008246	0.0003488	78.57	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00145	0.04	No	13	0.004727	0.0009846	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00205	0.04	No	13	0.004773	0.0008182	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	13	0.004725	0.0009929	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	13	0.004762	0.000857	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00192	0.04	No	13	0.004763	0.0008542	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	13	0.004696	0.001096	92.31	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.0011	0.04	No	13	0.0047	0.001082	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	23	0.0001867	0.00003572	86.96	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	23	0.0001925	0.00002882	86.96	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	13	0.004763	0.0008542	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	23	0.005078	0.0002746	91.3	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	23	0.004974	0.0001251	95.65	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	13	0.004638	0.001304	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	13	0.004285	0.001744	84.62	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	13	0.0009438	0.0002027	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	13	0.0009408	0.0002133	92.31	None	No	0.01	NP (NDs)



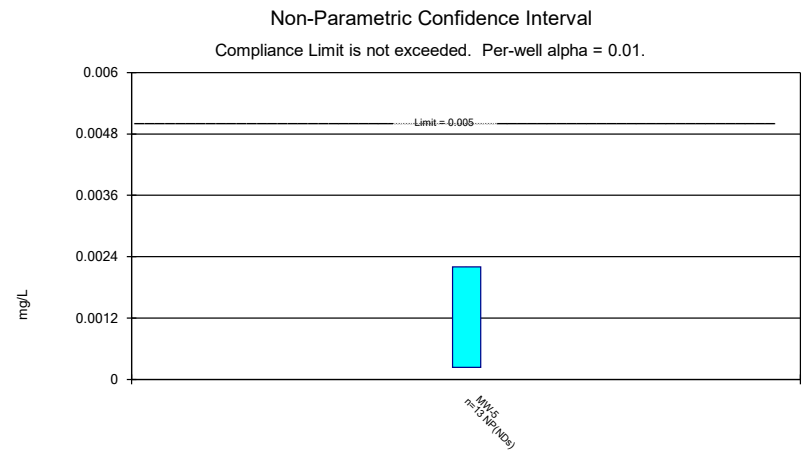
Constituent: Arsenic Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Constituent: Barium Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



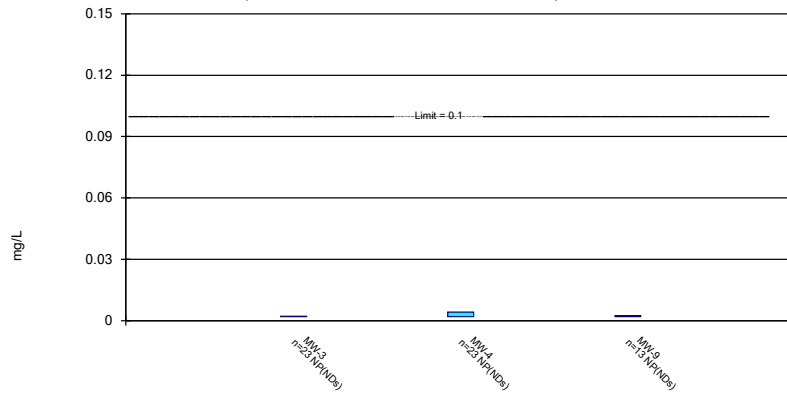
Constituent: Beryllium Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR



Constituent: Cadmium Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

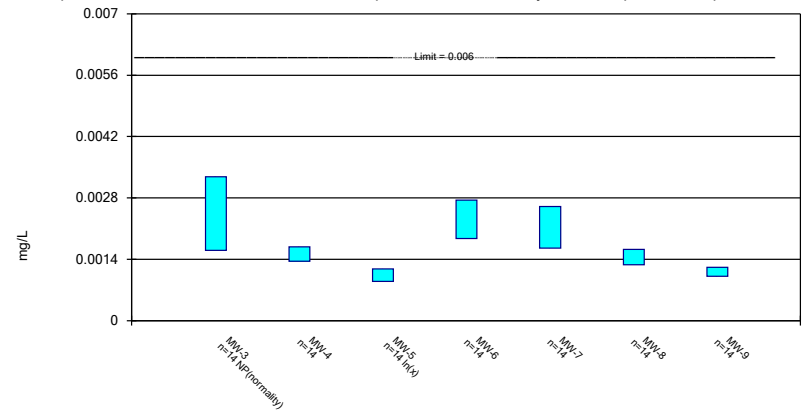
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

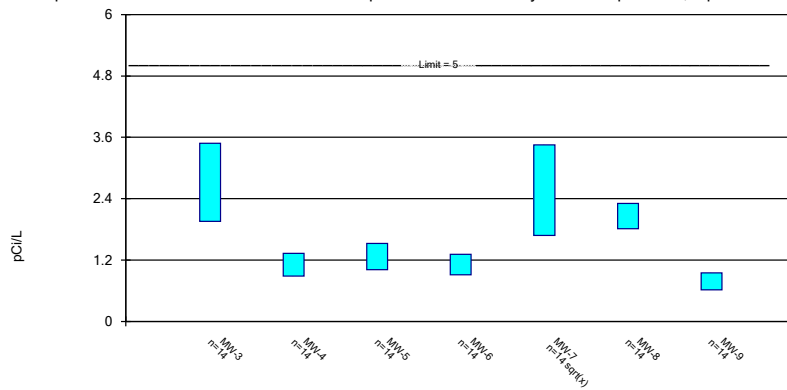
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric Confidence Interval

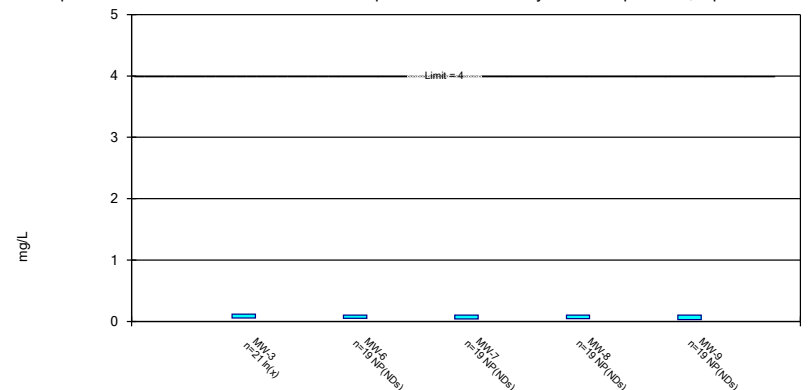
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

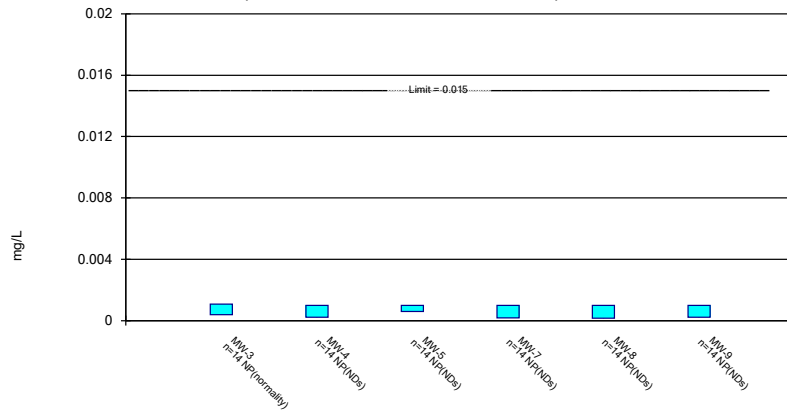
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

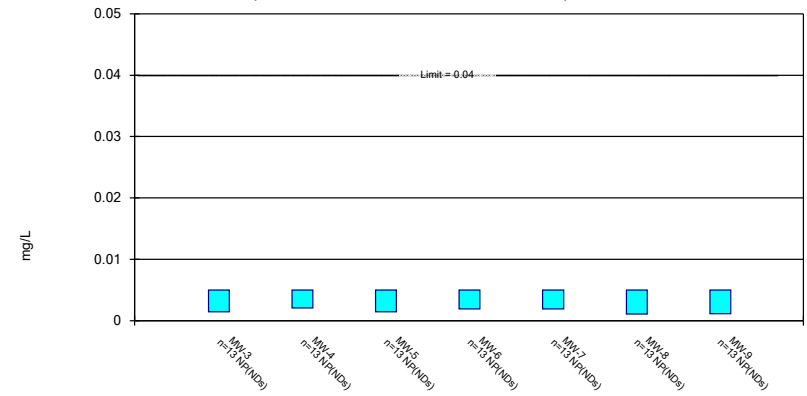
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

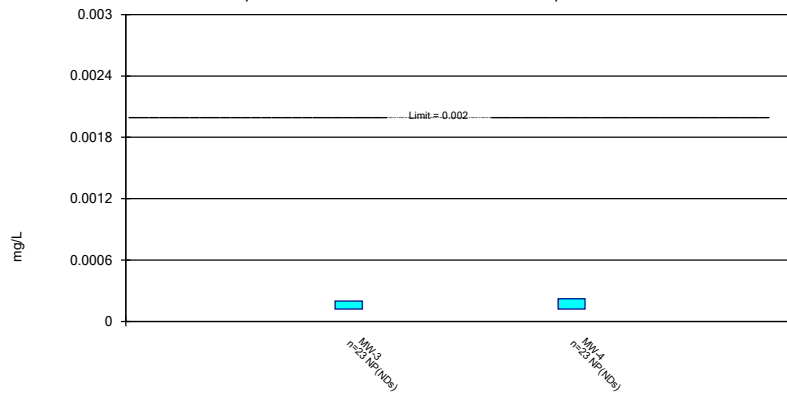
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

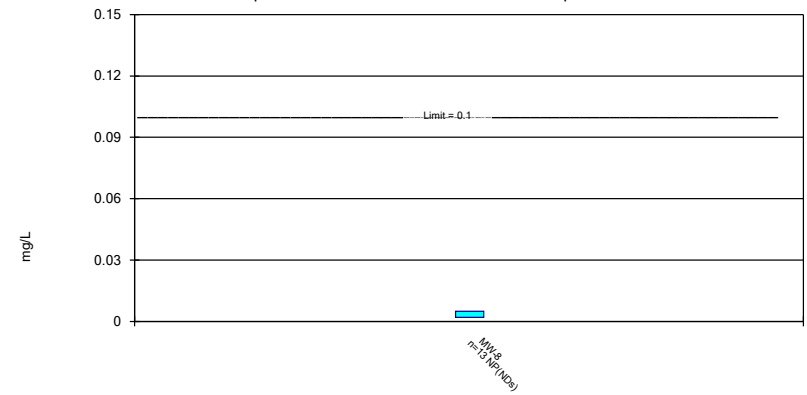
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

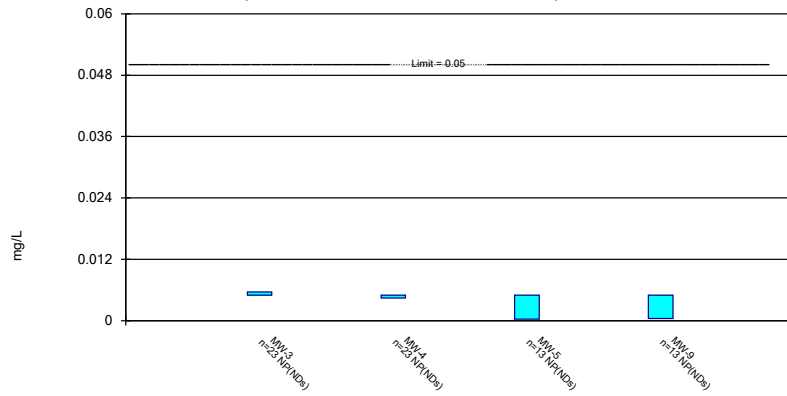
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

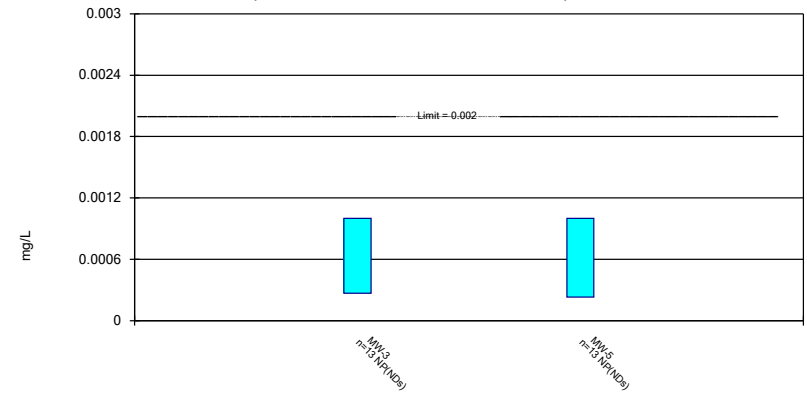
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 5/10/2022 3:54 PM 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 5/10/2022 3:54 PM View: Confidence Intervals
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/10/2022 3:55 PM 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
Mean	0.001353	0.0009523
Std. Dev.	0.0007331	0.0001785
Upper Lim.	0.00169	0.001
Lower Lim.	0.001	0.000332

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/10/2022 3:55 PM 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		
Mean	0.1145	0.05564	0.06236	0.07044	0.1488	0.1071	0.04034
Std. Dev.	0.02955	0.007499	0.006941	0.01676	0.05448	0.01699	0.007832
Upper Lim.	0.129	0.05946	0.0673	0.0789	0.1801	0.1191	0.04589
Lower Lim.	0.096	0.05181	0.0515	0.0557	0.1096	0.09504	0.0348

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/10/2022 3:55 PM 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	<0.001	<0.001	<0.001	<0.001		
5/16/2016	<0.001	<0.001		<0.001	0.0004 (J)	
5/17/2016			<0.001			0.00034 (J)
7/11/2016	<0.001			<0.001	0.00038 (J)	0.00041 (J)
7/12/2016		<0.001	<0.001			
9/12/2016	<0.001			<0.001	0.00035 (J)	
9/13/2016		<0.001	<0.001			<0.001
11/16/2016	<0.001	<0.001	<0.001	<0.001	0.00039 (J)	
11/17/2016						<0.001
1/16/2017	<0.001	<0.001	<0.001	<0.001	0.00044 (J)	
1/17/2017						0.00034 (J)
3/20/2017	<0.001	<0.001	<0.001	<0.001	0.0004 (J)	0.00036 (J)
5/22/2017	<0.001			<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)	
Mean	0.0007869	0.0009419	0.0009422	0.0009502	0.0003838	0.0007109
Std. Dev.	0.0002605	0.0002176	0.0002162	0.0001863	8.081E-05	0.0003486
Upper Lim.	0.001	0.001	0.001	0.001	0.000441	0.001
Lower Lim.	0.00044	0.000186	0.000191	0.000303	0.0003265	0.000255

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/10/2022 3:55 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)
Mean	0.001033
Std. Dev.	0.0004097
Upper Lim.	0.0022
Lower Lim.	0.000233

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/10/2022 3:55 PM 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
Mean	0.002104	0.002091	0.002031
Std. Dev.	0.0004791	0.0004379	0.0001109
Upper Lim.	0.0021	0.0041	0.0024
Lower Lim.	0.002	0.002	0.002

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/10/2022 3:55 PM 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		
Mean	0.002358	0.00152	0.001046	0.002313	0.002127	0.00145	0.001113
Std. Dev.	0.0008095	0.0002314	0.0002238	0.0006175	0.0006712	0.0002457	0.0001435
Upper Lim.	0.00328	0.001684	0.001177	0.00275	0.002603	0.001624	0.001215
Lower Lim.	0.0016	0.001356	0.000896	0.001875	0.001652	0.001276	0.001012

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/10/2022 3:55 PM 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		
Mean	2.719	1.108	1.266	1.11	2.633	2.058	0.7807
Std. Dev.	1.076	0.3153	0.3612	0.2847	1.449	0.3484	0.2337
Upper Lim.	3.481	1.331	1.522	1.312	3.453	2.305	0.9463
Lower Lim.	1.956	0.8843	1.01	0.9086	1.679	1.811	0.6152

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/10/2022 3:55 PM 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)		
Mean	0.1021	0.08985	0.08103	0.09334	0.09638
Std. Dev.	0.07913	0.02443	0.02933	0.02017	0.01576
Upper Lim.	0.1173	0.1	0.1	0.1	0.1
Lower Lim.	0.05596	0.05	0.04	0.0458	0.0313

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/10/2022 3:55 PM 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	<0.001			<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)		
Mean	0.0007344	0.0008269	0.0009104	0.0007739	0.0008768	0.0008246
Std. Dev.	0.0003656	0.0003441	0.0002436	0.0003745	0.0003132	0.0003488
Upper Lim.	0.00107	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00039	0.000224	0.000592	0.00017	0.000147	0.000215

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/10/2022 3:55 PM 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)		
Mean	0.004727	0.004773	0.004725	0.004762	0.004763	0.004696	0.0047
Std. Dev.	0.0009846	0.0008182	0.0009929	0.000857	0.0008542	0.001096	0.001082
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00145	0.00205	0.00142	0.00191	0.00192	0.00105	0.0011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/10/2022 3:55 PM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	MW-3	MW-4
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 (*)
5/16/2016	<0.0002	<0.0002
7/11/2016	<0.0002	
7/12/2016		<0.0002
9/12/2016	<0.0002	
9/13/2016		<0.0002
11/16/2016	<0.0002	<0.0002
1/16/2017	<0.0002	<0.0002
3/20/2017	<0.0002	<0.0002
5/22/2017	<0.0002	
5/23/2017		<0.0002
11/27/2017	<0.0002	0.00022
2/22/2020	<0.0002	<0.0002
10/23/2020	<0.0002	<0.0002
3/15/2021	<0.0002	<0.0002
10/6/2021	<0.0002	<0.0002
3/14/2022	<0.0002	<0.0002
Mean	0.0001867	0.0001925
Std. Dev.	3.572E-05	2.882E-05
Upper Lim.	0.0002	0.00022
Lower Lim.	0.00012	0.00012

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/10/2022 3:55 PM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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
Mean	0.004763
Std. Dev.	0.0008542
Upper Lim.	0.005
Lower Lim.	0.00192

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/10/2022 3:55 PM 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	
Mean	0.005078	0.004974	0.004638	0.004285
Std. Dev.	0.0002746	0.0001251	0.001304	0.001744
Upper Lim.	0.0056	0.005	0.005	0.005
Lower Lim.	0.005	0.0044	0.0003	0.0004

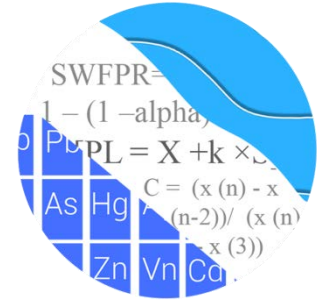
Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/10/2022 3:55 PM 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
Mean	0.0009438	0.0009408
Std. Dev.	0.0002027	0.0002133
Upper Lim.	0.001	0.001
Lower Lim.	0.000269	0.000231

2nd
Semi-Annual
Monitoring Event

GROUNDWATER STATS CONSULTING



January 17, 2023

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

Re: Plant Daniel Gypsum Storage Area (GSA)
2022 Annual Statistical Analysis – October 2022 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 2022 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 screening performed in 2019.

Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not 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 during this analysis. 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 – October 2022

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 2022 samples. Intrawell prediction limits use screened historical data within a given well to establish limits for parameters at that well.

For some well/constituent pairs containing <15% non-detects, such as sulfate at wells MW-1 and MW-6, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects in background is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes to the prediction limits resulted from this implementation.

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
- Chloride: MW-3
- pH (lower limit): MW-2 (upgradient)
- Sulfate: MW-5 and MW-10 (upgradient)
- TDS: MW-7

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
- Chloride: MW-2 (upgradient)
- Sulfate: MW-1 (upgradient)

Decreasing:

- Calcium: MW-1 (upgradient)
- Chloride: 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 2022

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 parametric confidence intervals, although it will also reduce the mean and thus lower the entire interval. 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 new 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 2022 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 2022 for each of the Appendix IV parameters and compared to the GWPS, i.e., the highest limit of the MCL, CCR Rule-Specified level, or background limit as discussed above. 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: 12/19/2022 10:42 AM

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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 12/17/2022 9:13 AM View: Confidence Intervals

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

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

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	10/3/2022	2.19	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra	1 of 2	
Chloride (mg/L)	MW-3	11.81	n/a	10/3/2022	12.3	Yes	16	9.844	0.8683	0	None	No	0.001075	Param Intra	1 of 2	
pH (SU)	MW-2	5.68	4.79	10/3/2022	4.75	Yes	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality)	1 of 2	
Sulfate (mg/L)	MW-10	2.1	n/a	10/3/2022	3.38	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	10/4/2022	6.61	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs)	1 of 2	
Total Dissolved Solids (mg/L)	MW-7	65.57	n/a	10/3/2022	79	Yes	17	39.06	11.86	0	None	No	0.001075	Param Intra	1 of 2	

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:47 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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	0.0788J	No	17	n/a	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	10/3/2022	0.08ND	No	18	n/a	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	10/4/2022	0.08ND	No	17	n/a	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	10/4/2022	0.08ND	No	17	n/a	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	10/4/2022	0.08ND	No	17	n/a	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	10/3/2022	0.08ND	No	18	n/a	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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	2.37	No	8	3.261	0.473	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.278	n/a	10/3/2022	0.415J	No	16	0.8085	0.2075	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.288	n/a	10/3/2022	0.969	No	19	0.932	0.1632	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	10/3/2022	2.19	Yes	11	1.044	0.2254	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.387	n/a	10/4/2022	0.755	No	18	1.786	0.2723	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.433	n/a	10/4/2022	1.78	No	18	1.909	0.237	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.582	n/a	10/4/2022	0.804	No	18	1.219	0.1643	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	10/3/2022	2.28	No	18	1.641	0.3837	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.587	n/a	10/3/2022	1.66	No	19	2.392	0.5473	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.284	n/a	10/3/2022	0.581	No	19	0.9727	0.1426	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	12.87	n/a	10/3/2022	3.41	No	17	5.716	3.201	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	8.092	n/a	10/3/2022	4.7	No	17	5.278	1.259	5.882	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	10.37	n/a	10/3/2022	9.85	No	17	8.149	0.9926	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.81	n/a	10/3/2022	12.3	Yes	16	9.844	0.8683	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	9.845	n/a	10/4/2022	5.41	No	17	7.669	0.9736	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.14	n/a	10/4/2022	5.53	No	17	7.845	1.472	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	10.5	n/a	10/4/2022	7.67	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	10/3/2022	10.6	No	17	182	79.97	0	None	x^2	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	12.06	n/a	10/3/2022	5.95	No	18	9.243	1.274	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	13.2	n/a	10/3/2022	6.96	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.0388J	No	14	n/a	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	10/4/2022	0.1ND	No	18	n/a	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	10/4/2022	0.1ND	No	18	n/a	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	10/4/2022	0.1ND	No	18	n/a	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	10/3/2022	0.032J	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	4.92	No	27	5.088	0.3167	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	10/3/2022	5.13	No	18	n/a	n/a	0	n/a	n/a	No	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-2	5.68	4.79	10/3/2022	4.75	Yes	27	n/a	n/a	0	n/a	n/a	No	0.005004	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.793	4.198	10/3/2022	4.38	No	27	4.495	0.1441	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.101	4.653	10/4/2022	4.76	No	27	4.877	0.1084	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.555	10/4/2022	4.84	No	18	4.819	0.1199	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	10/4/2022	4.62	No	18	4.666	0.07694	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	10/3/2022	4.37	No	18	n/a	n/a	0	n/a	n/a	No	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-8	4.977	4.352	10/3/2022	4.82	No	17	4.665	0.1398	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	10/3/2022	4.95	No	18	4.904	0.06661	0	None	No	No	0.0005373	Param Intra 1 of 2

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:47 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	10/3/2022	8.36	No	16	8.634	2.028	6.25	None	No	0.001075	Param Intra	1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	10/3/2022	3.38	Yes	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs)	1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	10/3/2022	1ND	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	10/3/2022	1.25	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	10/4/2022	1.86	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs)	1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	10/4/2022	6.61	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs)	1 of 2
Sulfate (mg/L)	MW-6	3.436	n/a	10/4/2022	0.791J	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	10/3/2022	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	10/3/2022	3.06	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	10/3/2022	2.45	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	10/3/2022	64	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	10/3/2022	33	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	10/3/2022	41	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	10/3/2022	61	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	10/4/2022	36	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	10/4/2022	41	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	10/4/2022	28	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	10/3/2022	79	Yes	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	10/3/2022	40	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	10/3/2022	31	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 12/17/2022, 8:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5495	-151	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.04309	95	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.7138	118	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.443	-125	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.4014	115	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.256	345	161	Yes	32	3.125	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 12/17/2022, 8:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5495	-151	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-10 (bg)	0.0007199	2	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.04309	95	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.7138	118	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.443	-125	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-10 (bg)	0.2189	35	74	No	19	5.263	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.4014	115	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-3	-0.1417	-30	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.256	345	161	Yes	32	3.125	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-10 (bg)	0	-11	-74	No	19	68.42	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-65	-139	No	29	79.31	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-5	0	-15	-74	No	19	47.37	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-1 (bg)	-4.72	-53	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.8022	23	74	No	19	5.263	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-2 (bg)	2.032	58	74	No	19	10.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-7	1.775	35	74	No	19	0	n/a	n/a	0.01	NP

Upper Tolerance Limit Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 9:12 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig. 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)	n/a	0.002	n/a	n/a	n/a	n/a 42	n/a	n/a	92.86	n/a	n/a	0.116	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a 45	n/a	n/a	82.22	n/a	n/a	0.09944	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	n/a 65	n/a	n/a	0	n/a	n/a	0.03565	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 45	n/a	n/a	80	n/a	n/a	0.09944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 42	n/a	n/a	100	n/a	n/a	0.116	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	n/a 62	n/a	n/a	91.94	n/a	n/a	0.04158	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a 45	n/a	n/a	0	n/a	n/a	0.09944	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.317	n/a	n/a	n/a	n/a 44	1.004	0.3896	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	n/a 60	n/a	n/a	85	n/a	n/a	0.04607	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 45	n/a	n/a	75.56	n/a	n/a	0.09944	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 42	n/a	n/a	85.71	n/a	n/a	0.116	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	n/a 62	n/a	n/a	93.55	n/a	n/a	0.04158	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 42	n/a	n/a	95.24	n/a	n/a	0.116	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	n/a 62	n/a	n/a	82.26	n/a	n/a	0.04158	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 42	n/a	n/a	85.71	n/a	n/a	0.116	NP Inter(NDs)

PLANT DANIEL GSA CCR GWPS TABLE				
Constituent Name	MCL	CCR Rule-Specified	Background Limit	GWPS
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		0.22	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		3.32	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*

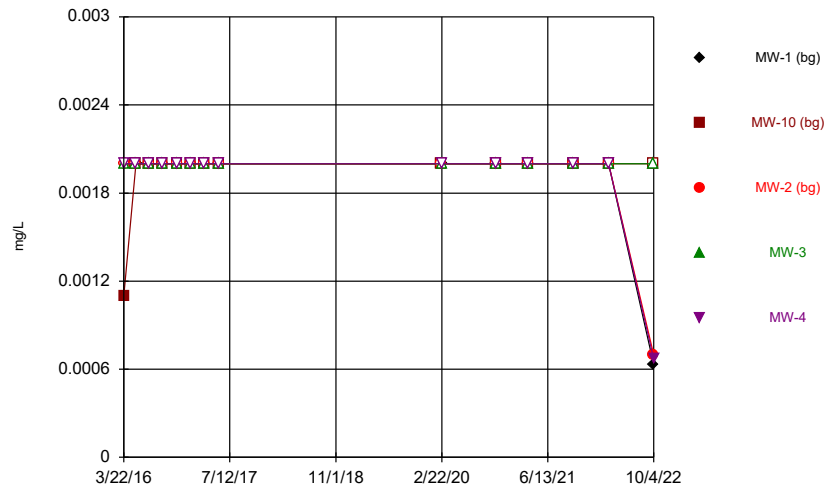
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 9:24 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	14	0.001905	0.0003552	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-3	0.00169	0.001	0.01	No	15	0.001329	0.0007123	73.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	15	0.0009555	0.0001725	93.33	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	25	0.1154	0.02921	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.059	0.05074	2	No	25	0.05487	0.008288	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0515	2	No	15	0.06227	0.006696	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.0789	0.0554	2	No	15	0.0694	0.01664	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1846	0.1149	2	No	15	0.1518	0.05384	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1174	0.09261	2	No	15	0.105	0.01827	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04509	0.03431	2	No	15	0.0397	0.007947	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.000486	0.00034	0.004	No	15	0.0004057	0.00009575	53.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	15	0.0009457	0.0002102	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	15	0.0009461	0.0002089	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	15	0.0009535	0.00018	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004327	0.0003208	0.004	No	15	0.0003767	0.00008253	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.00034	0.004	No	15	0.0007302	0.0003441	60	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000233	0.005	No	14	0.001031	0.0003937	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	24	0.0021	0.000469	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	24	0.002088	0.0004287	95.83	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	14	0.002029	0.0001069	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00328	0.0016	0.006	No	15	0.002335	0.000785	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001666	0.001286	0.006	No	15	0.001476	0.0002806	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.00137	0.00088	0.006	No	15	0.001121	0.0003616	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-6	0.002697	0.001881	0.006	No	15	0.002289	0.000602	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.002566	0.00169	0.006	No	15	0.002128	0.0006468	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-8	0.001606	0.001197	0.006	No	15	0.001402	0.0003016	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001204	0.0009787	0.006	No	15	0.001083	0.000181	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.459	2.043	5	No	15	2.751	1.045	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.299	0.8649	5	No	15	1.082	0.32	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.506	1.034	5	No	15	1.27	0.3484	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.356	0.9376	5	No	15	1.147	0.3089	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.569	1.787	5	No	15	2.757	1.477	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.269	1.76	5	No	15	2.015	0.3751	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9421	0.6343	5	No	15	0.7882	0.2271	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.108	0.04	4	No	22	0.09471	0.07972	9.091	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	20	0.09036	0.02389	85	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	20	0.07858	0.03058	65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	20	0.09368	0.01969	90	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	20	0.09657	0.01536	95	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.0009043	0.0004706	0.015	No	15	0.0007126	0.0003452	6.667	None	x^(1/3)	0.01	Param.
Lead (mg/L)	MW-4	0.001	0.000224	0.015	No	15	0.0008385	0.0003346	80	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000592	0.015	No	15	0.0009163	0.0002359	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.00017	0.015	No	15	0.0007369	0.0003883	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	15	0.000885	0.0003035	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.000215	0.015	No	15	0.0008363	0.0003391	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00168	0.04	No	14	0.004509	0.001248	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00206	0.04	No	14	0.004579	0.001069	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	14	0.004486	0.001307	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	14	0.004521	0.001221	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00192	0.04	No	14	0.004551	0.001142	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	14	0.004429	0.001451	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.0011	0.04	No	14	0.00444	0.001424	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	24	0.0001872	0.00003504	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	24	0.0001928	0.00002822	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-6	0.00143	0.0002	0.002	No	14	0.0002879	0.0003287	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	14	0.00478	0.0008232	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	24	0.005075	0.0002691	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	24	0.004975	0.0001225	95.83	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	14	0.004664	0.001256	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	14	0.004336	0.001687	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	14	0.0009478	0.0001954	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	14	0.0009451	0.0002055	92.86	None	No	0.01	NP (NDs)

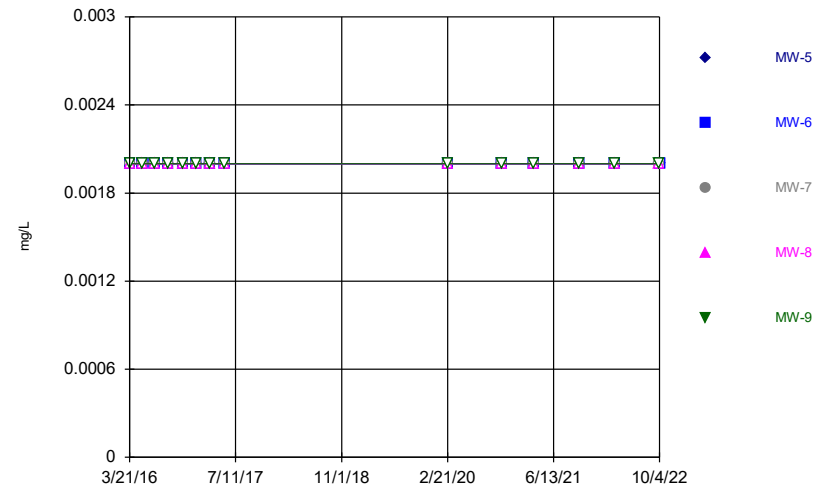
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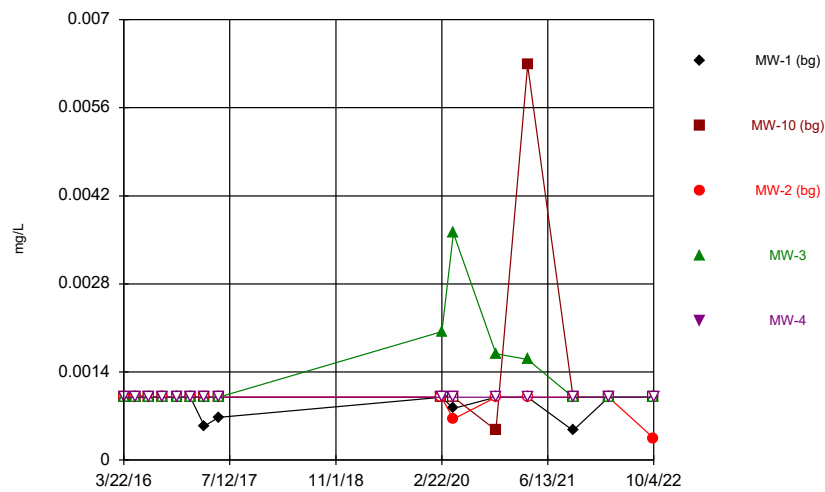
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



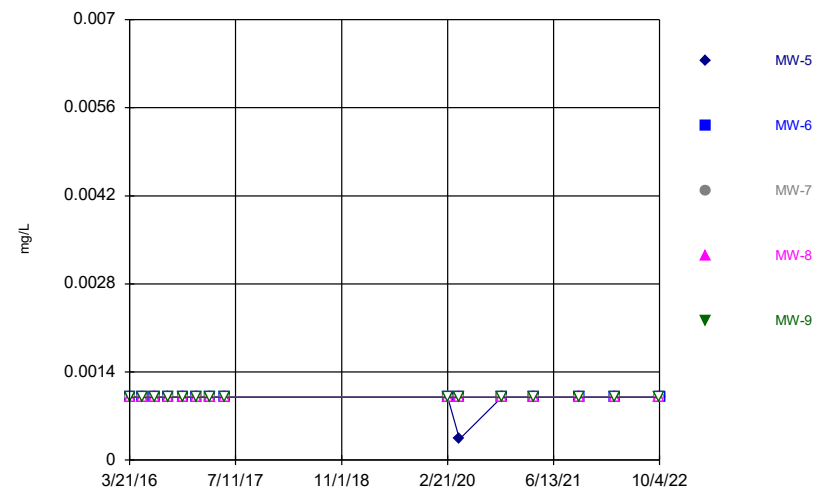
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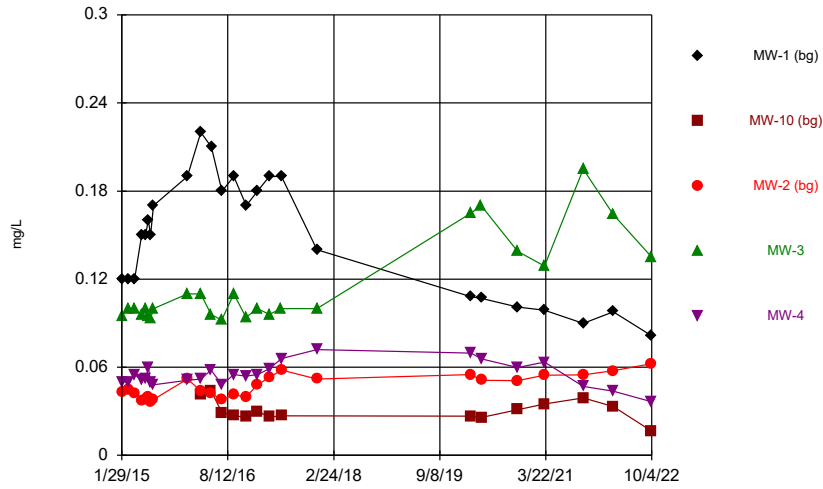
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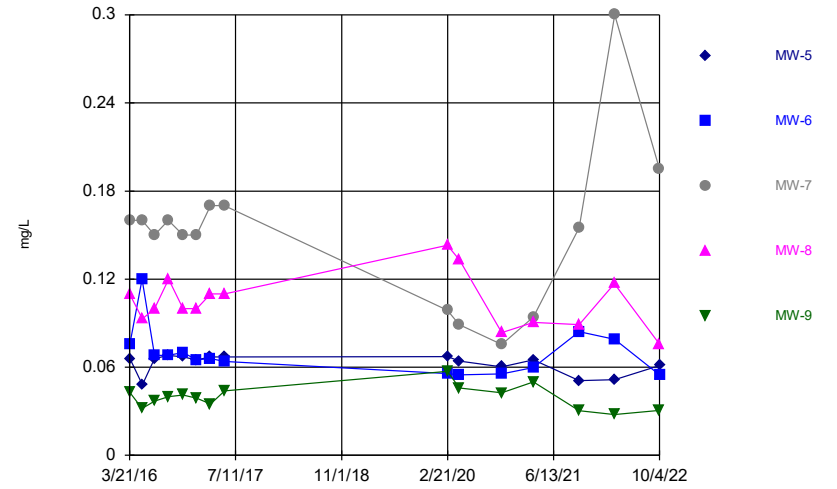
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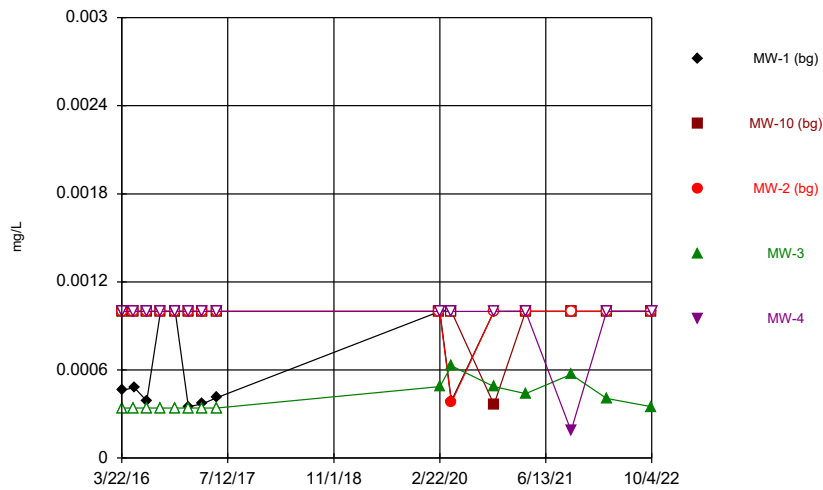
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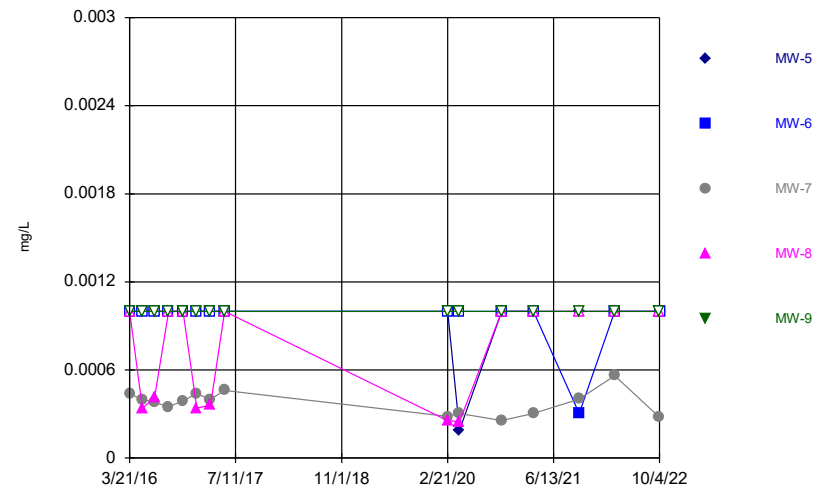
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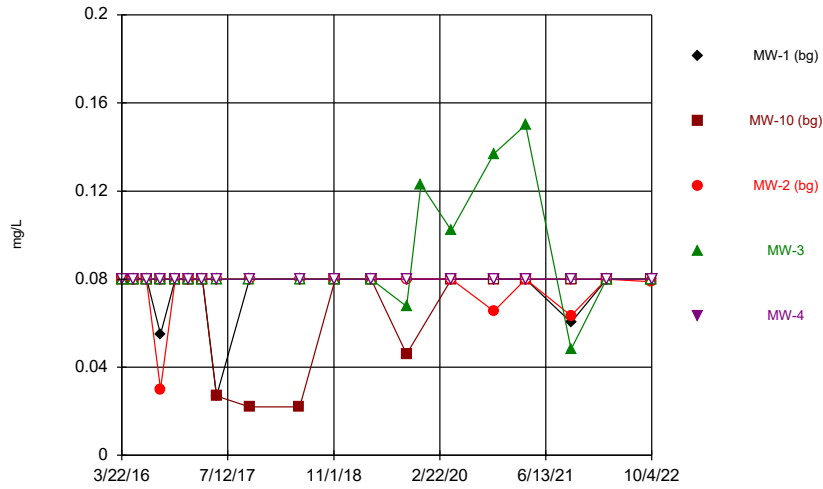
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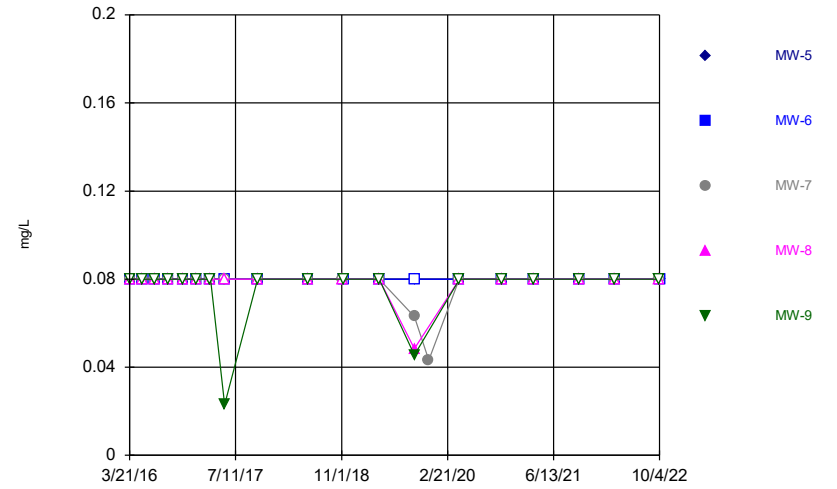
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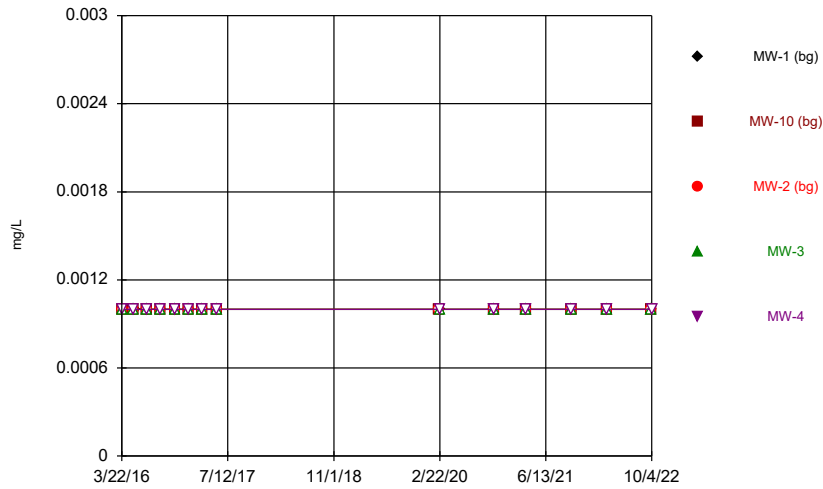
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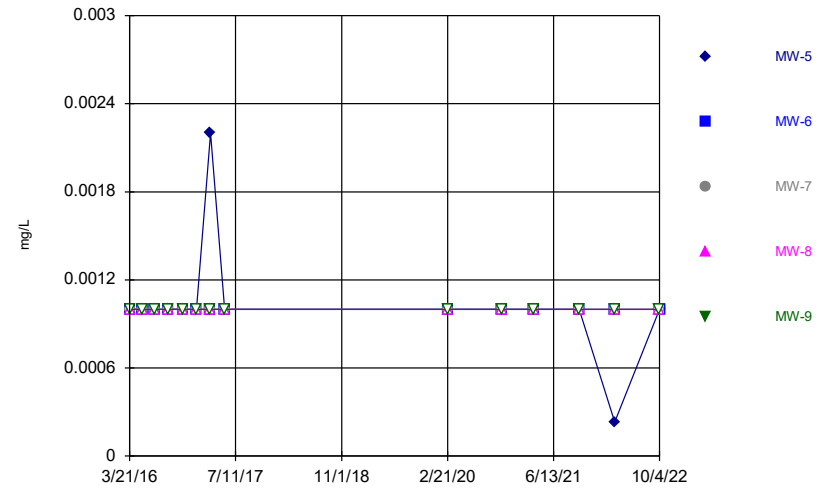
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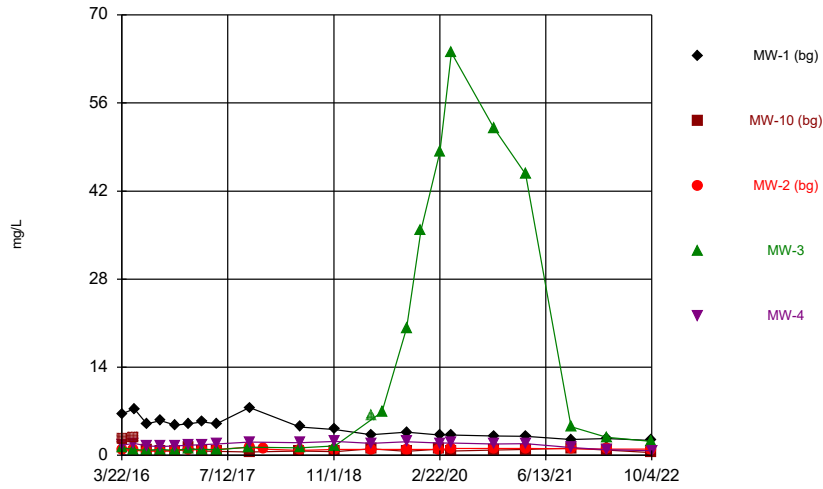
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Time Series



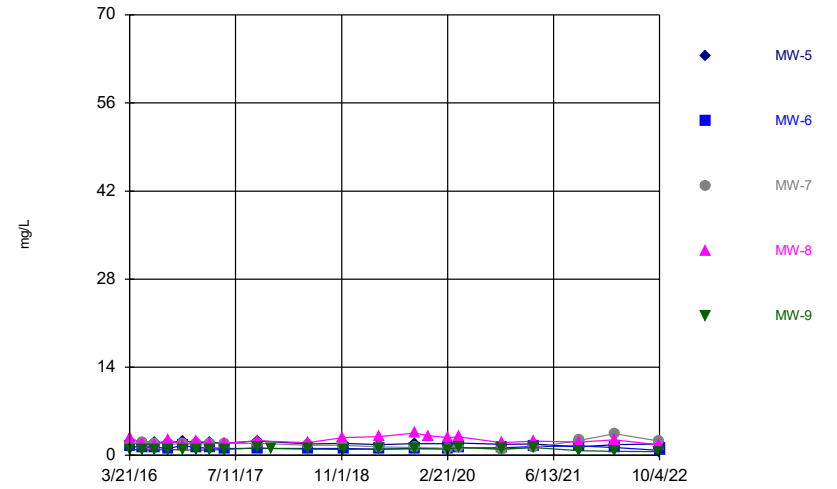
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Time Series



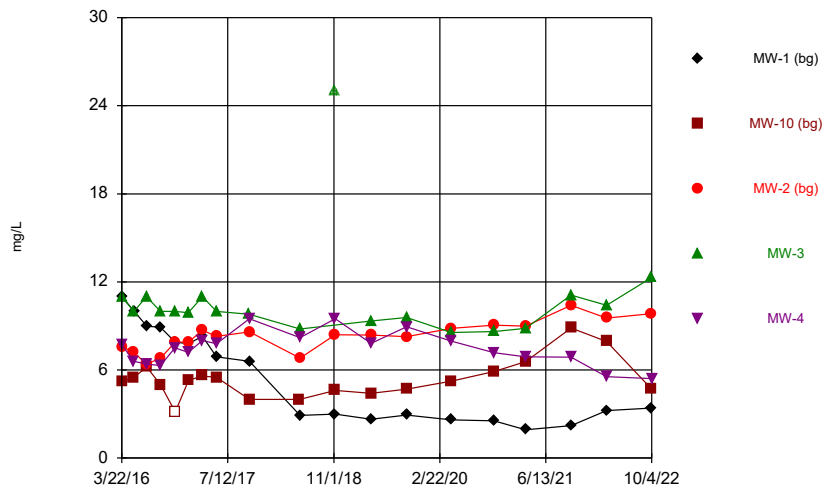
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Time Series



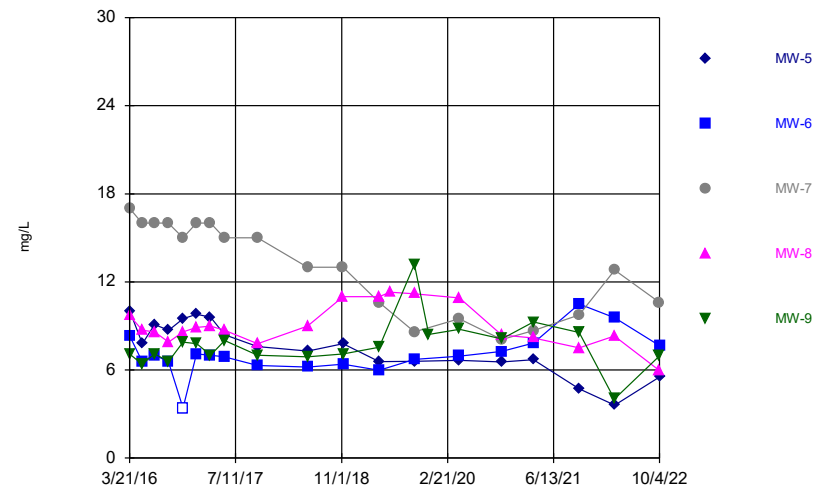
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Time Series



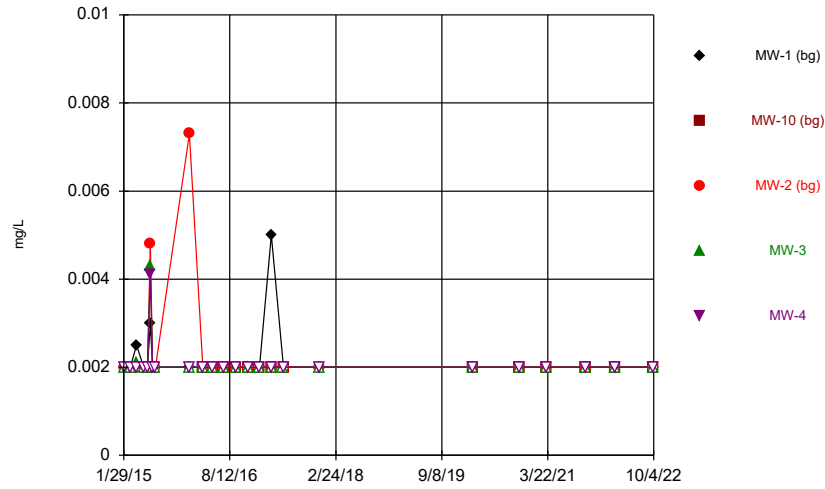
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Time Series



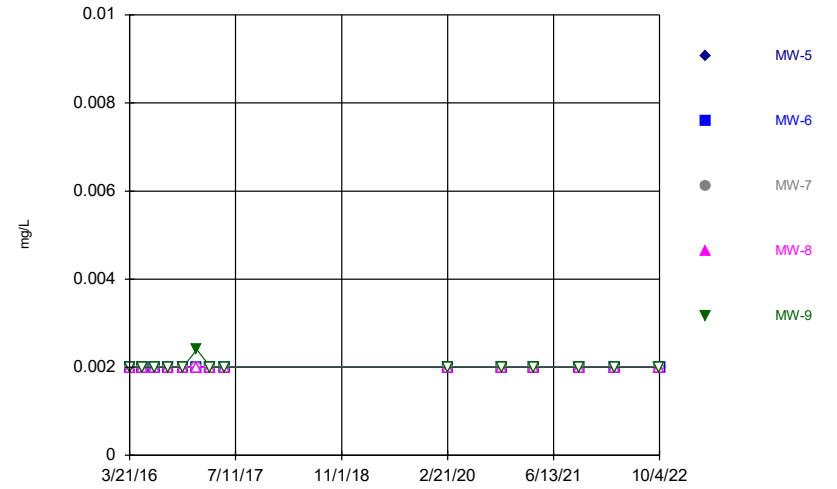
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Time Series



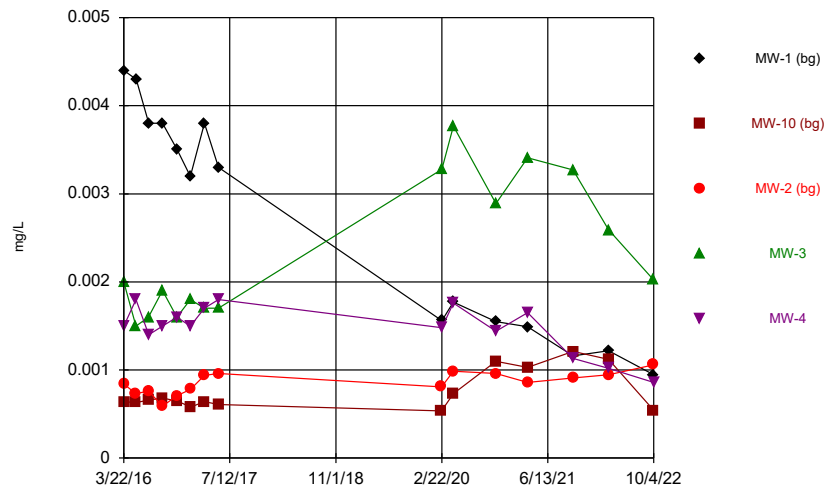
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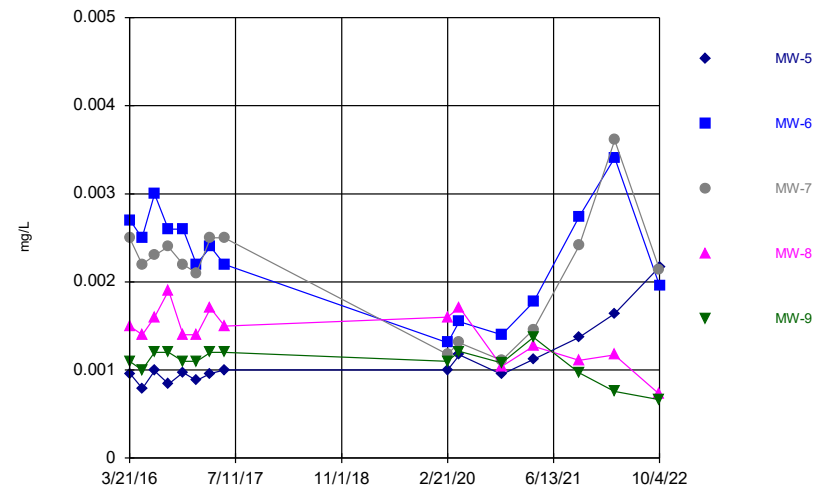
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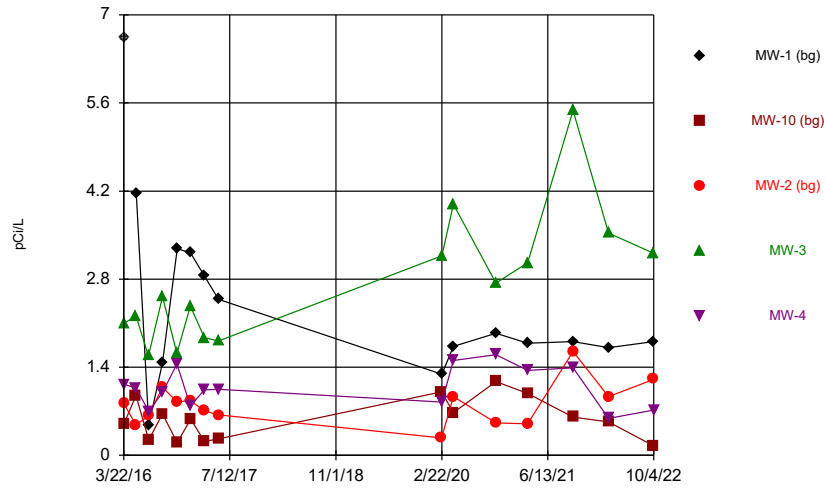
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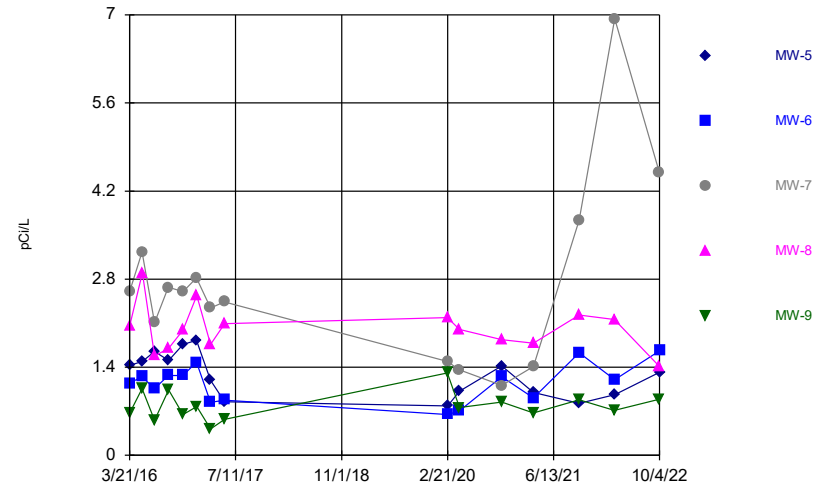
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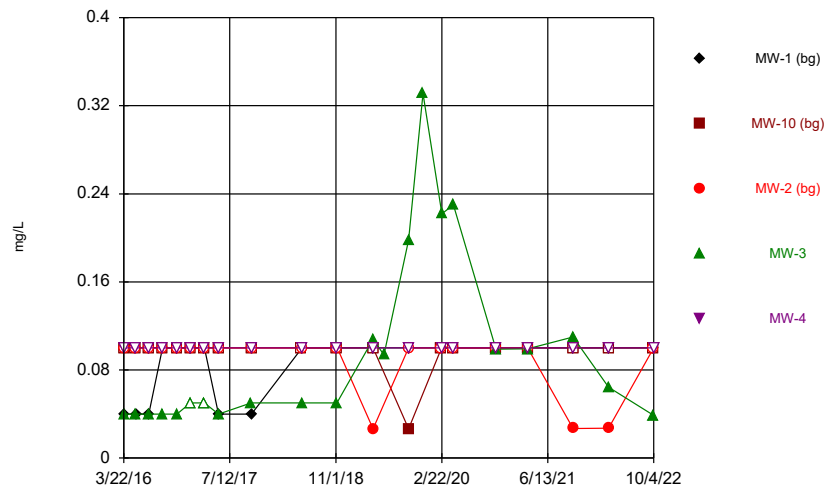
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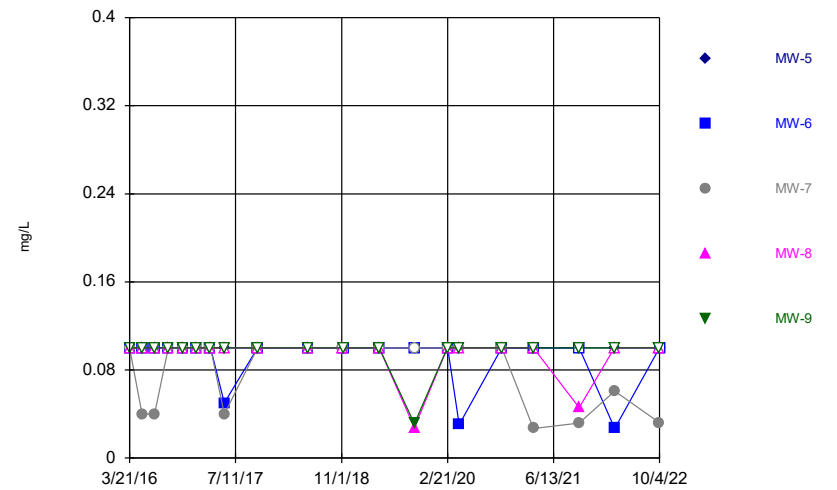
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



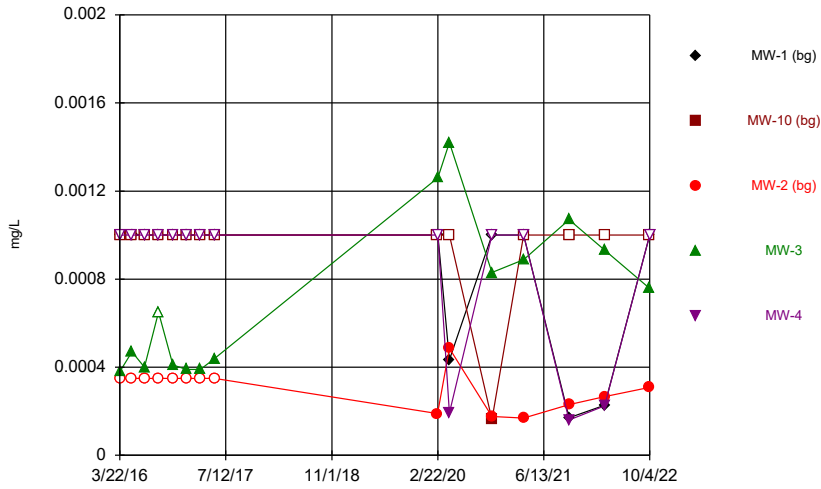
Constituent: Fluoride Analysis Run 12/16/2022 5:26 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



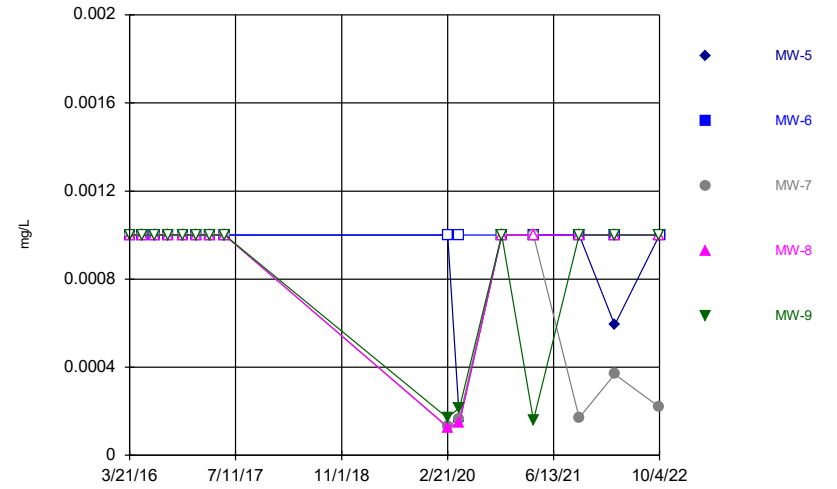
Constituent: Fluoride Analysis Run 12/16/2022 5:26 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



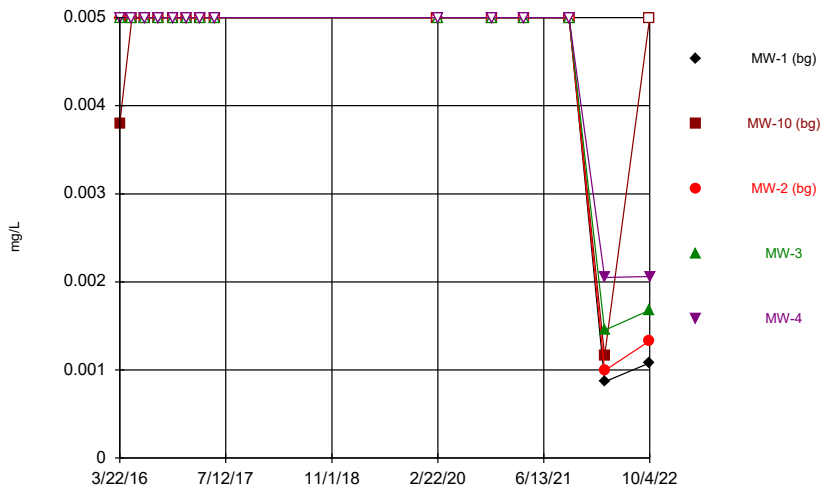
Constituent: Lead Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



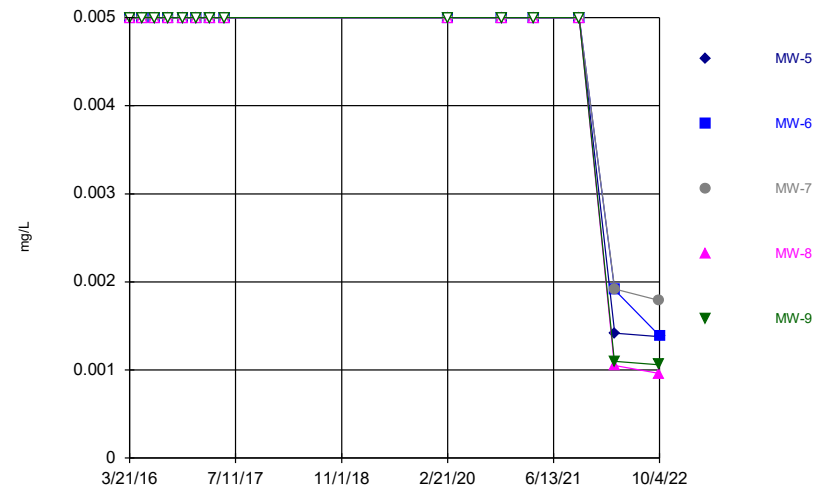
Constituent: Lead Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



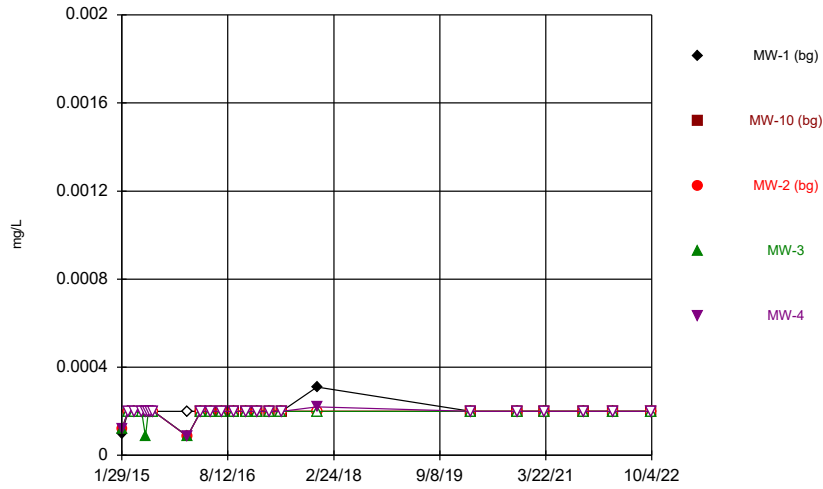
Constituent: Lithium Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



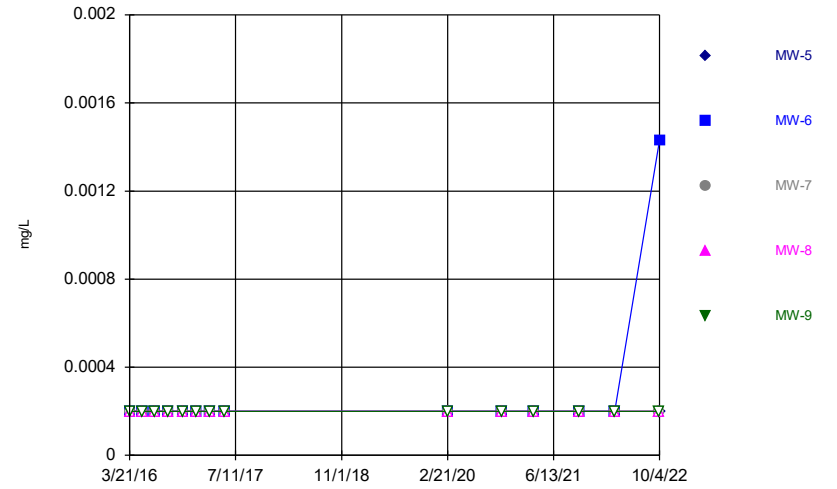
Constituent: Lithium Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



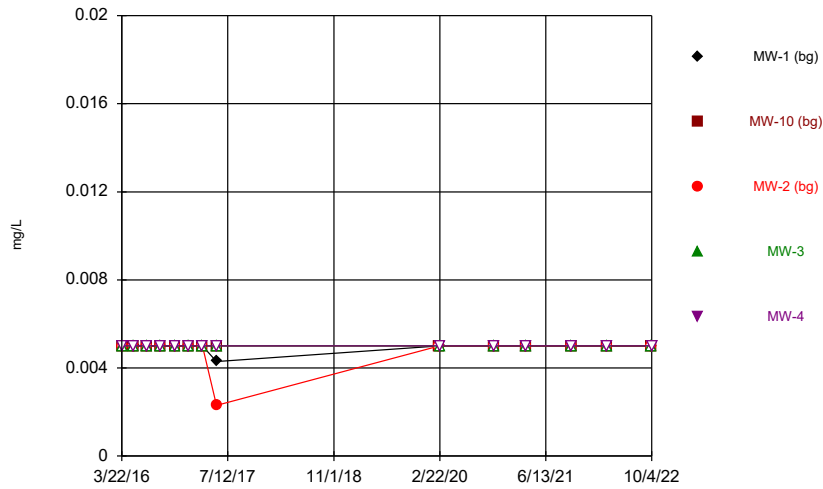
Constituent: Mercury Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



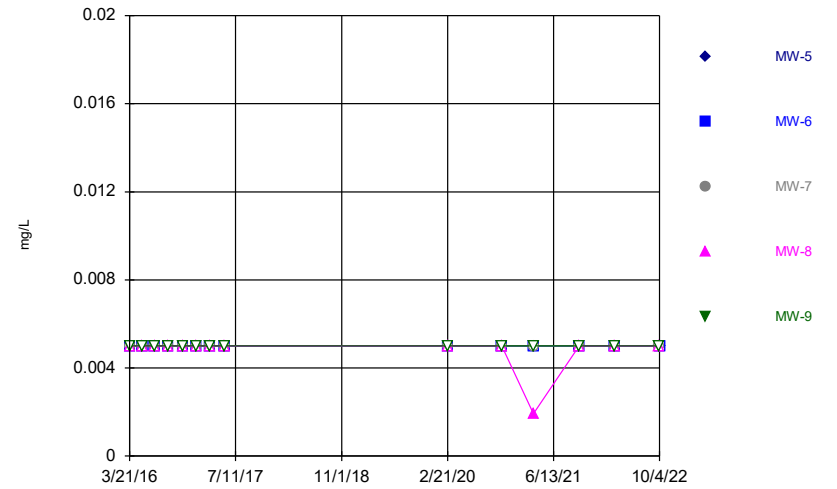
Constituent: Mercury Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



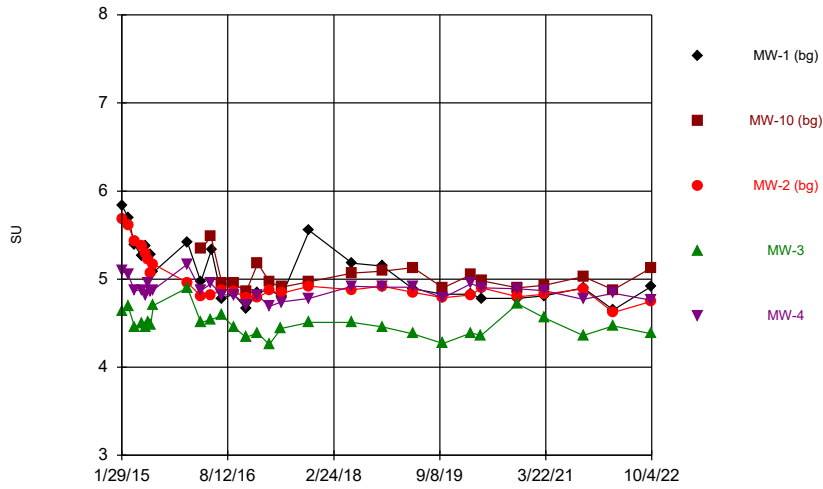
Constituent: Molybdenum Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



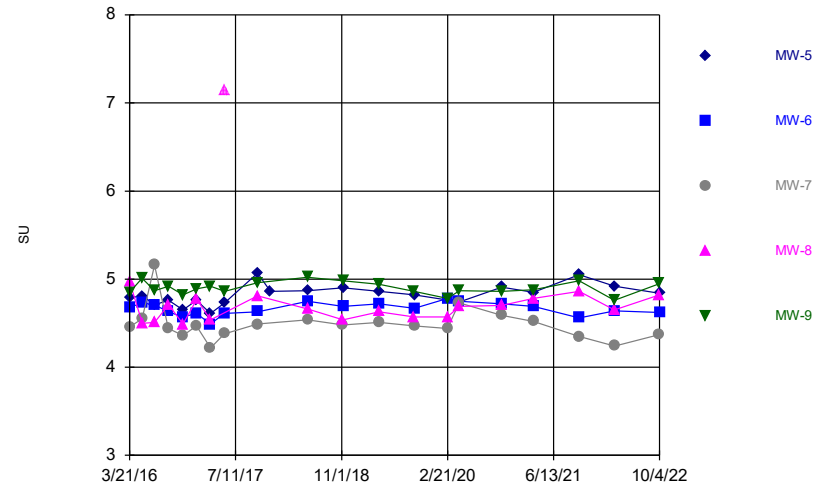
Constituent: Molybdenum Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



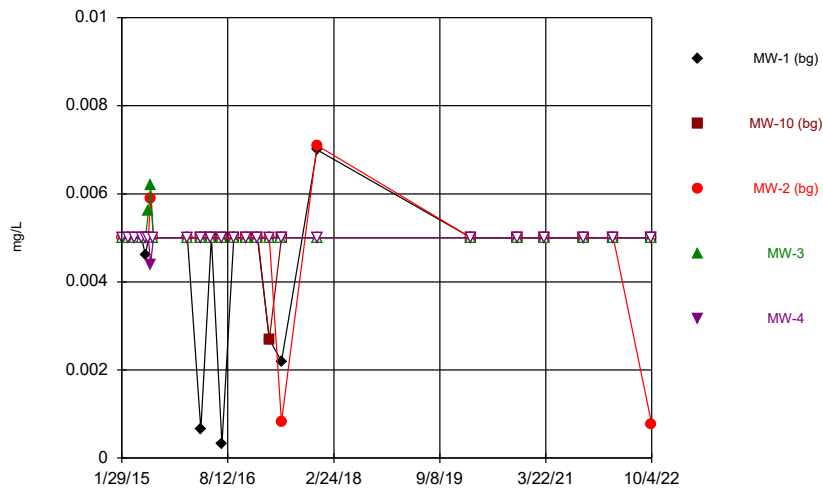
Constituent: pH Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



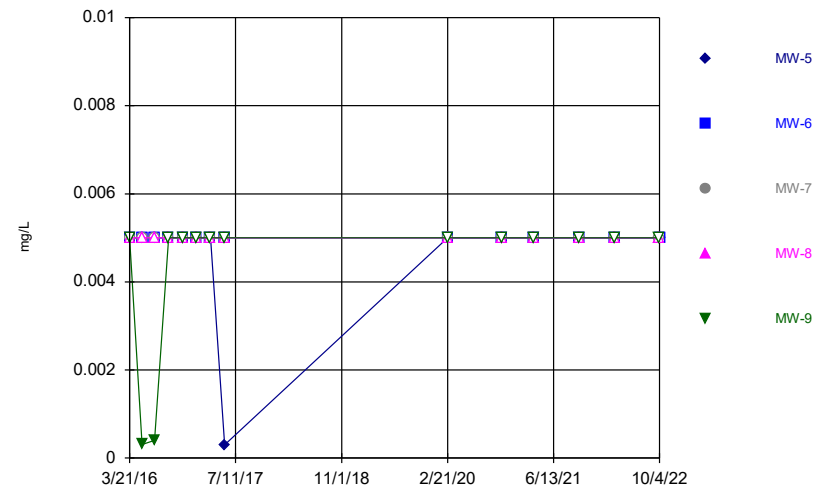
Constituent: pH Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



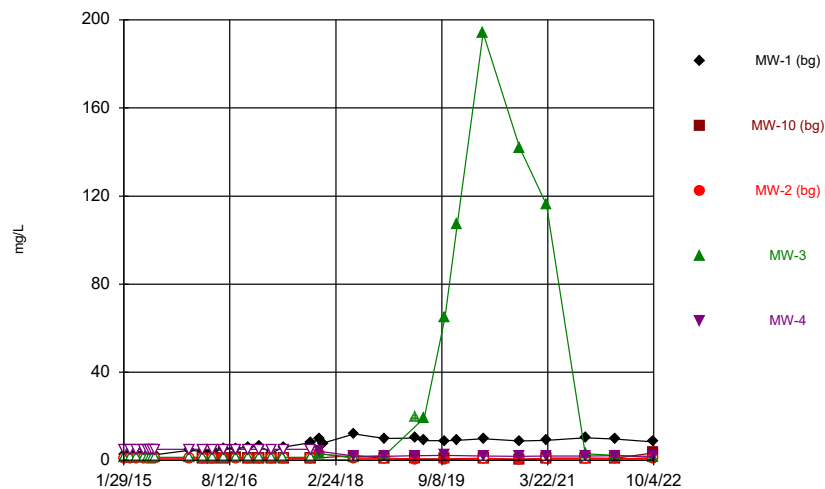
Constituent: Selenium Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



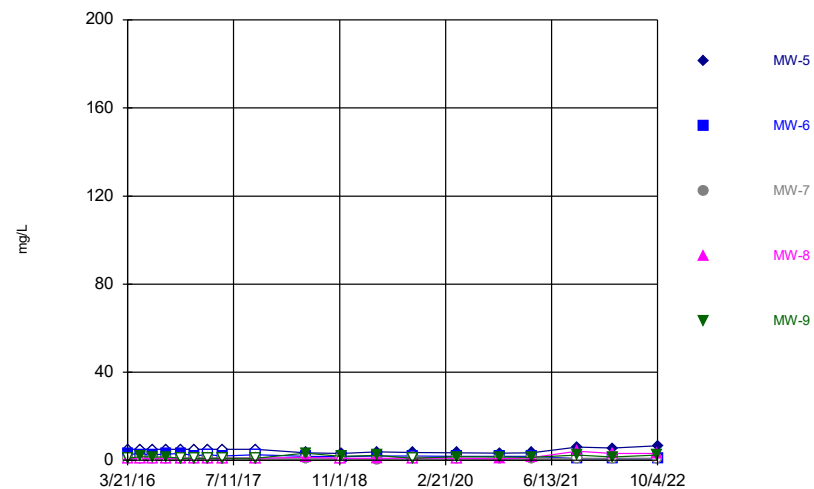
Constituent: Selenium Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



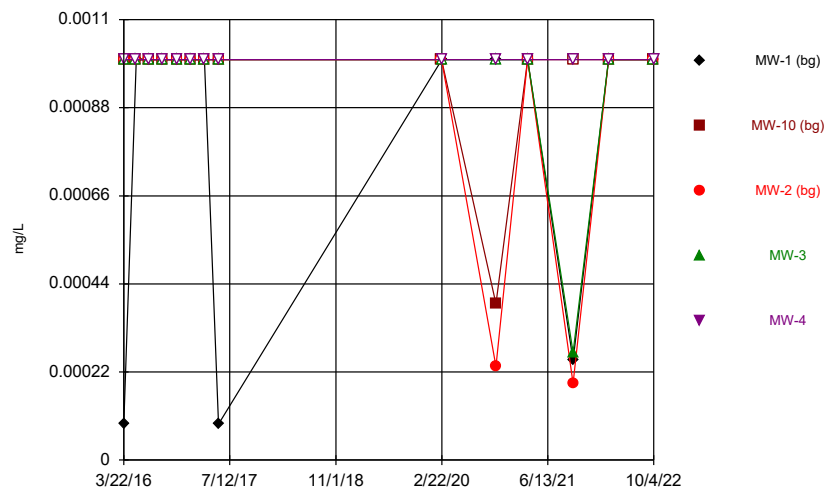
Constituent: Sulfate Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



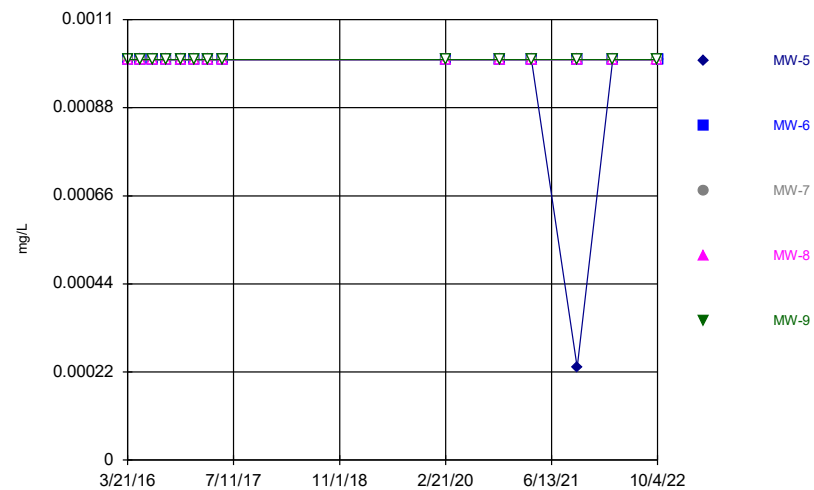
Constituent: Sulfate Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



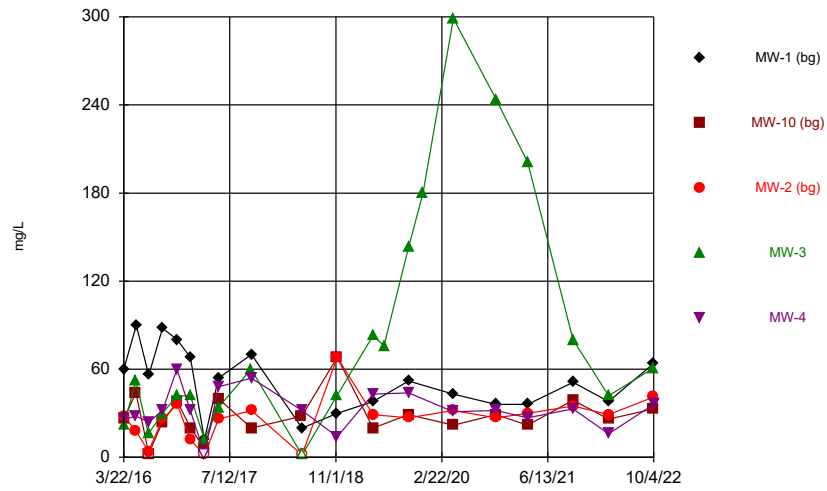
Constituent: Thallium Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



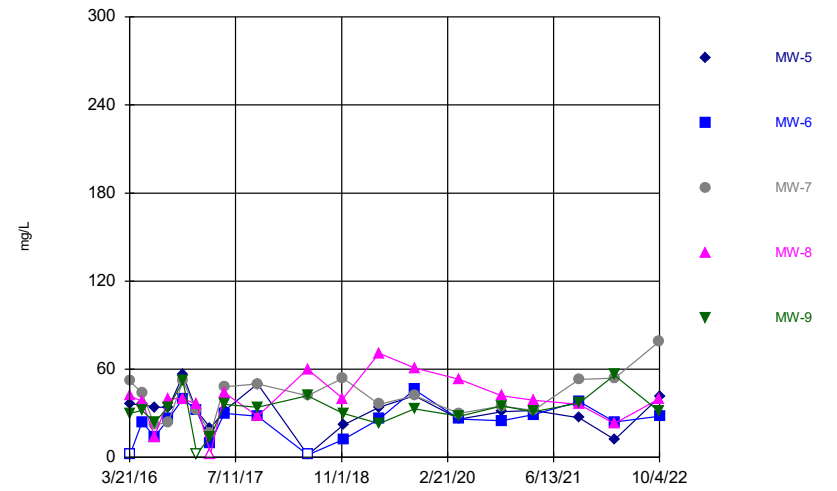
Constituent: Thallium Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series



Constituent: Total Dissolved Solids Analysis Run 12/16/2022 5:26 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/16/2022 5:27 PM
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)

Time Series

Constituent: Antimony (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Arsenic (mg/L) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Barium (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Barium (mg/L) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/16/2022 5:27 PM
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

Time Series

Constituent: Beryllium (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Boron (mg/L) Analysis Run 12/16/2022 5:27 PM
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

Time Series

Constituent: Boron (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/16/2022 5:27 PM
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

Time Series

Constituent: Cadmium (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Calcium (mg/L) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/16/2022 5:27 PM
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

Time Series

Constituent: Chloride (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/16/2022 5:27 PM
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		<0.002	<0.002	<0.002
3/3/2015	<0.002		<0.002	<0.002	<0.002
4/7/2015	0.0025 (J)		<0.002	0.0021 (J)	<0.002
5/14/2015	<0.002		<0.002	<0.002	<0.002
6/3/2015	<0.002		<0.002	<0.002	<0.002
6/18/2015	0.003 (J)		0.0048 (J)	0.0043 (J)	0.0041 (J)
6/30/2015	<0.002		<0.002	<0.002	<0.002
7/15/2015	<0.002		<0.002	<0.002	<0.002
1/11/2016	<0.002		0.0073 (J)	<0.002	<0.002
3/22/2016	<0.002	<0.002	<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	0.005	<0.002	<0.002	<0.002	<0.002
5/22/2017				<0.002	
5/23/2017	<0.002	<0.002	<0.002		<0.002
11/27/2017	<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	<0.002	<0.002	<0.002	<0.002	
10/4/2022					<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Cobalt (mg/L) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Fluoride (mg/L) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Lead (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Lead (mg/L) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/16/2022 5:27 PM

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)

Time Series

Constituent: Lithium (mg/L) Analysis Run 12/16/2022 5:27 PM

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)			

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Mercury (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/16/2022 5:27 PM
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

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: pH (SU) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: pH (SU) Analysis Run 12/16/2022 5:27 PM

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			

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/16/2022 5:27 PM
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

Time Series

Constituent: Selenium (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Sulfate (mg/L) Analysis Run 12/16/2022 5:27 PM

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)			

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

Constituent: Thallium (mg/L) Analysis Run 12/16/2022 5:27 PM
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			

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/16/2022 5:27 PM

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

Time Series

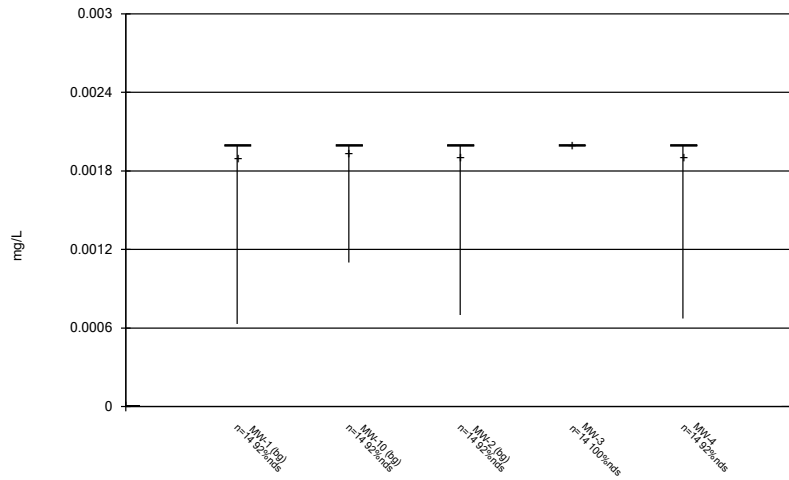
Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/16/2022 5:27 PM

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			

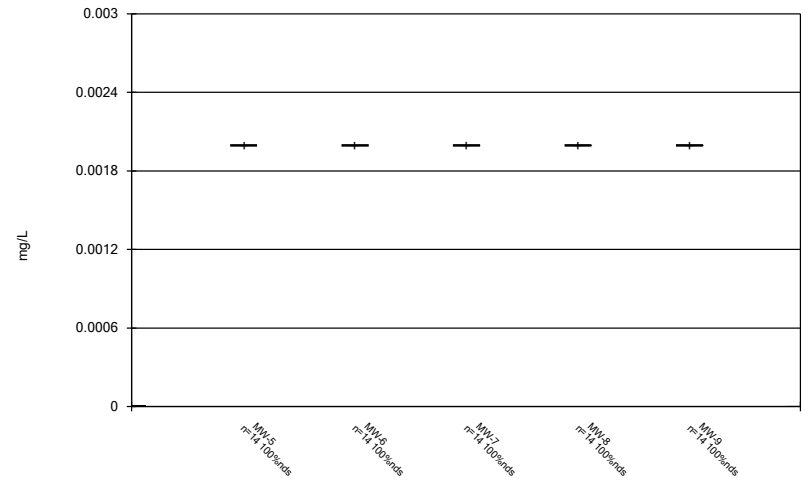
Box Plots

Box & Whiskers Plot



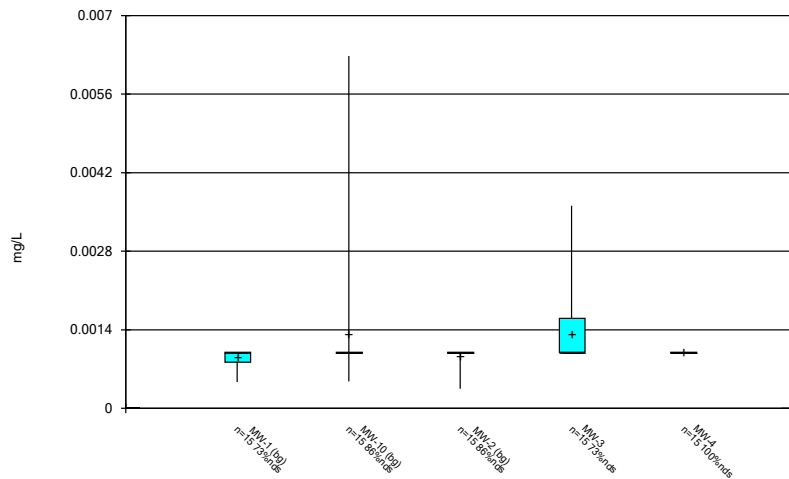
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



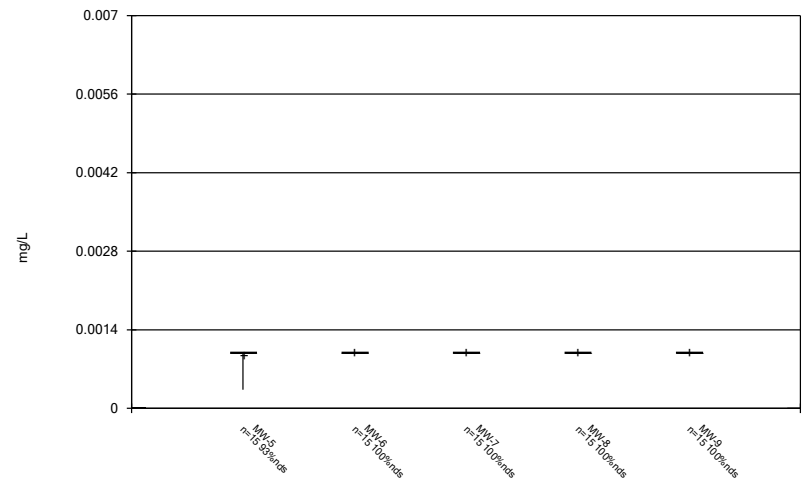
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Box & Whiskers Plot



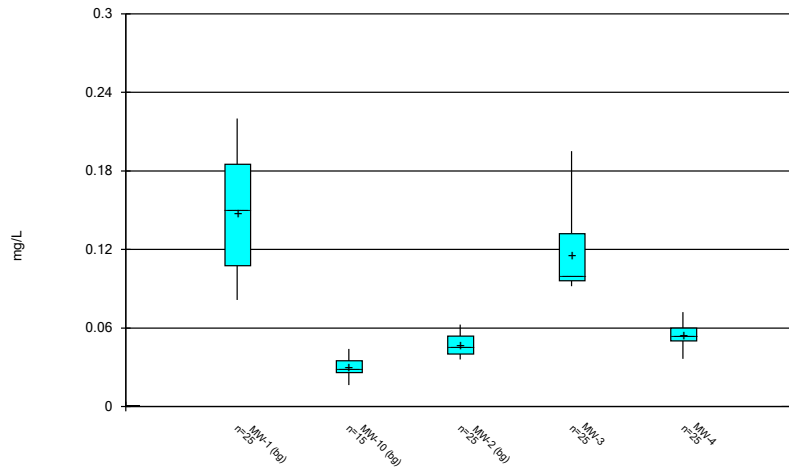
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



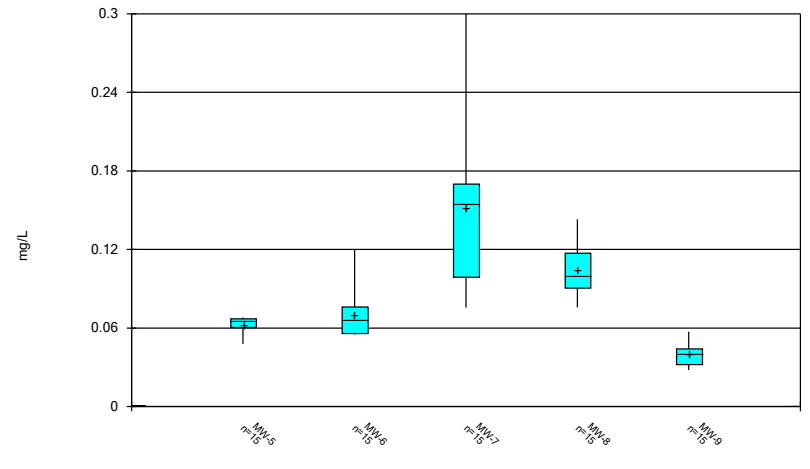
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Box & Whiskers Plot



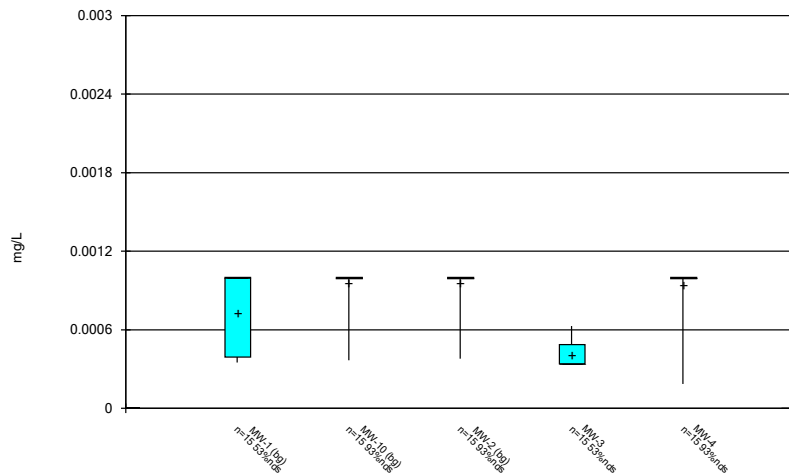
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Box & Whiskers Plot



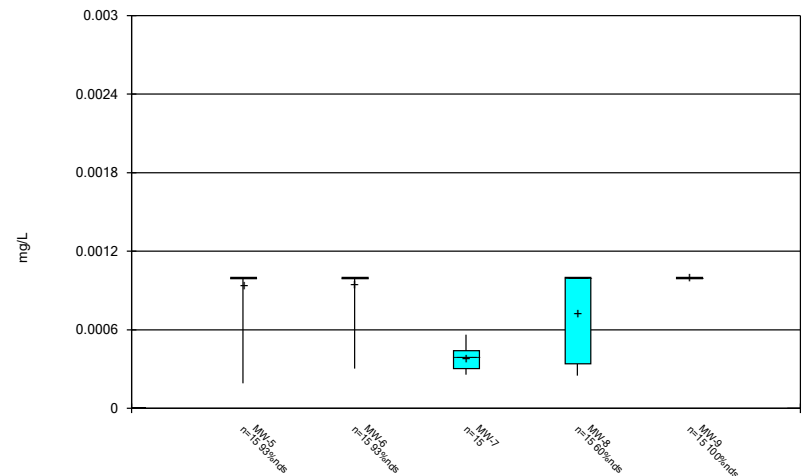
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



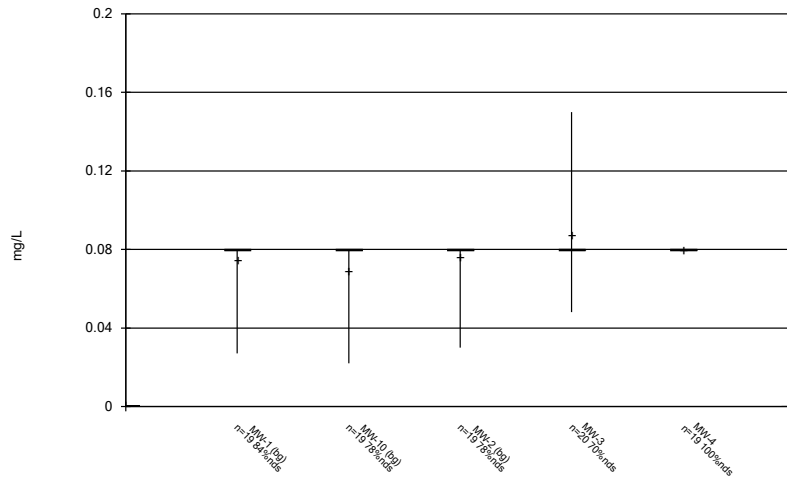
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



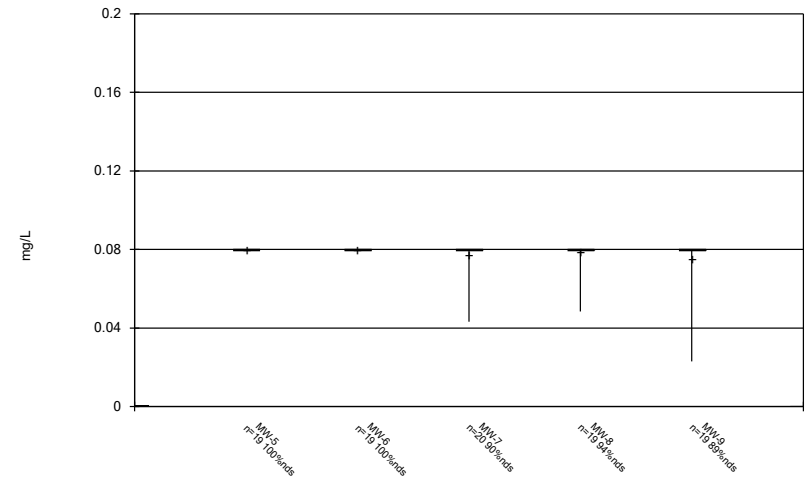
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Box & Whiskers Plot



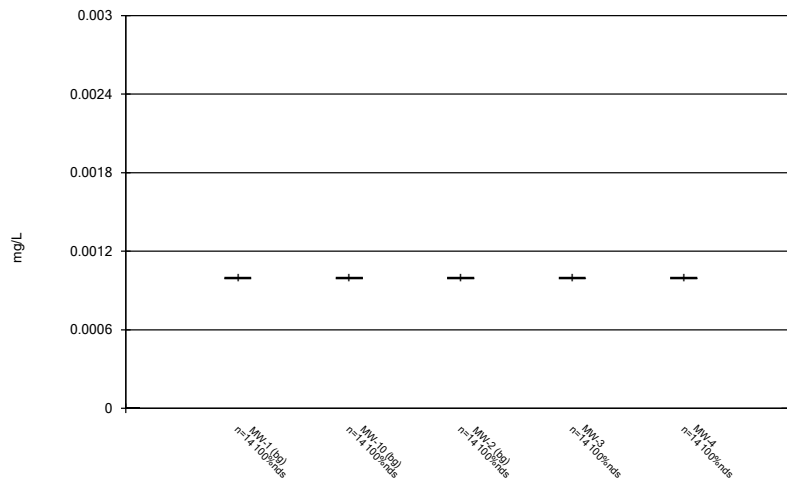
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



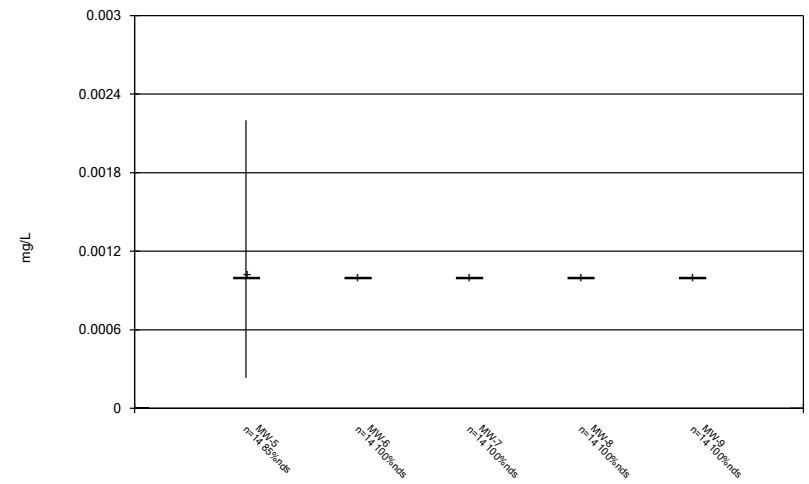
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



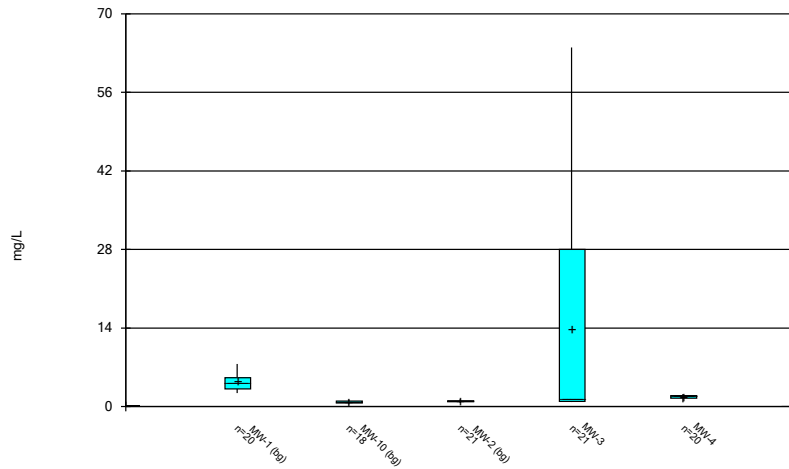
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



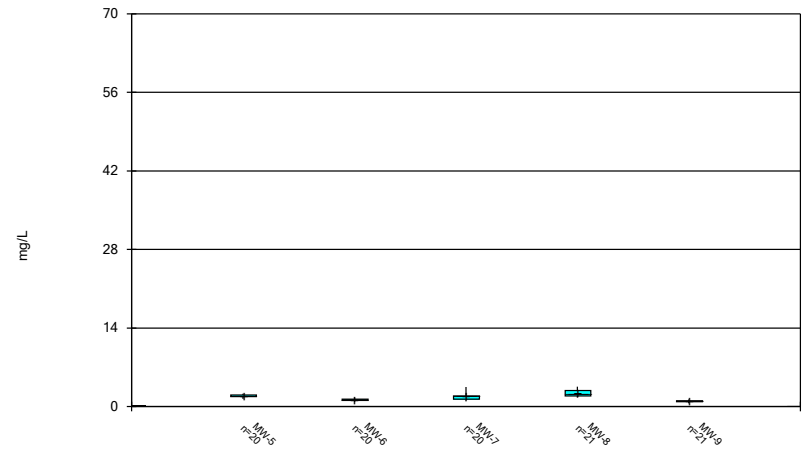
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



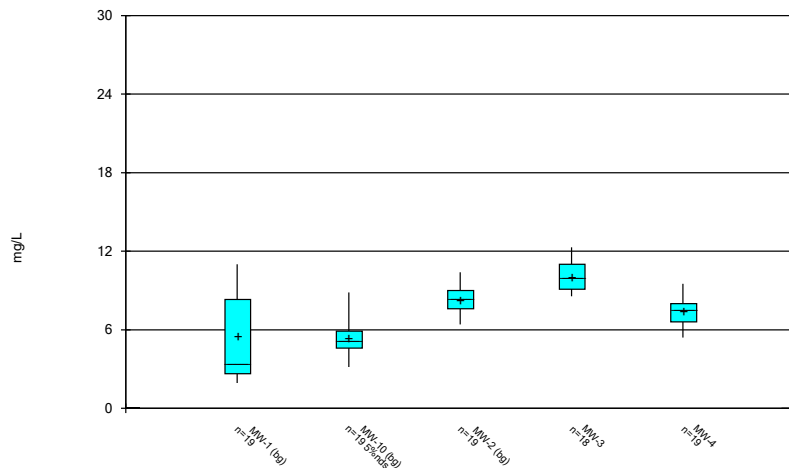
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



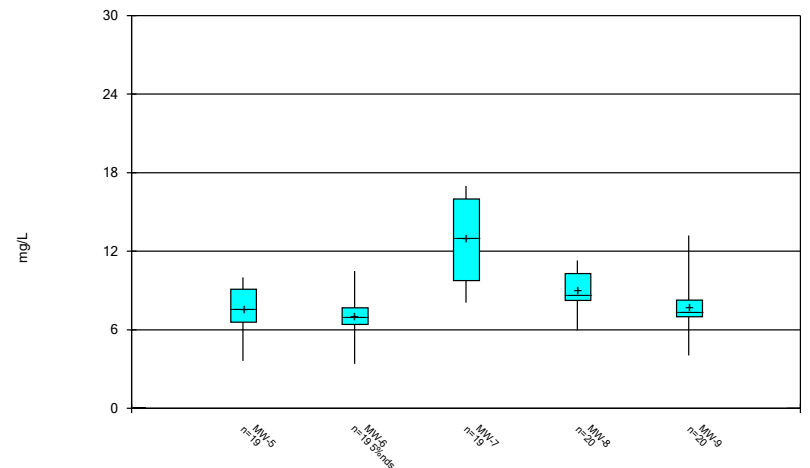
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



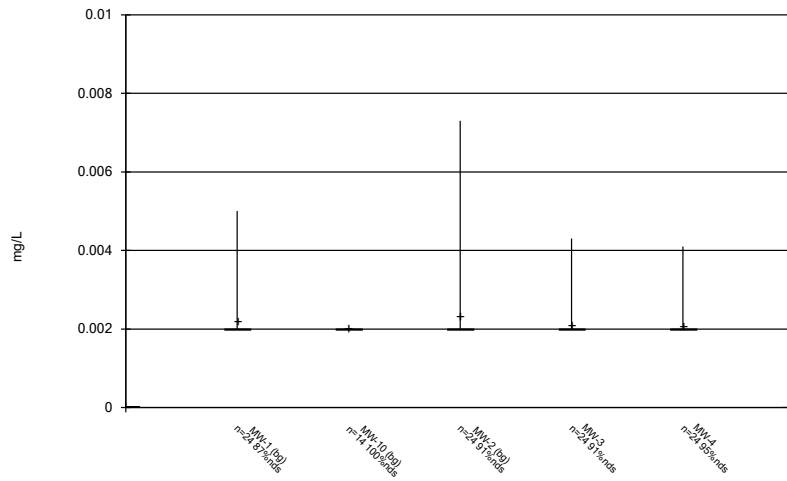
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



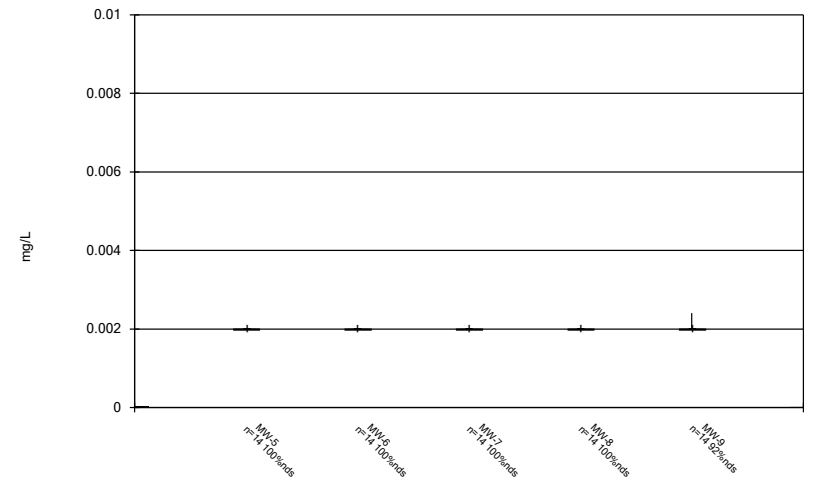
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



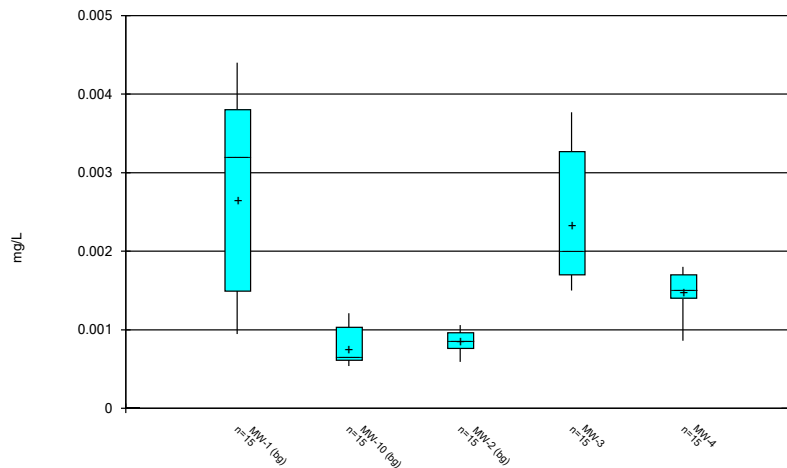
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



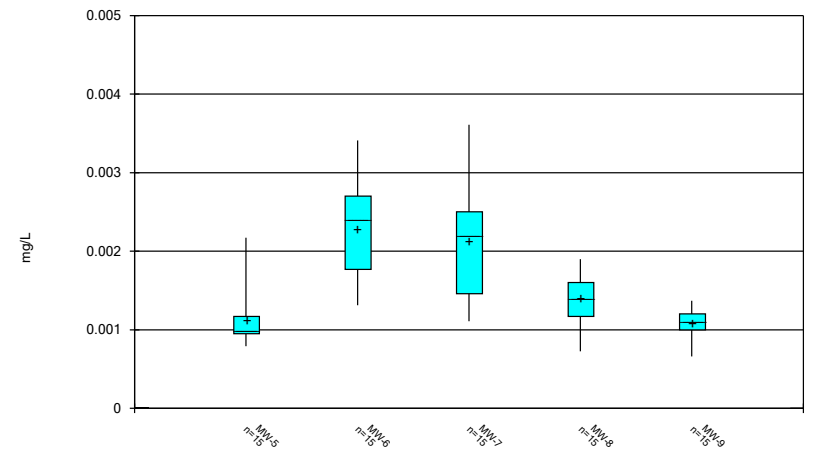
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



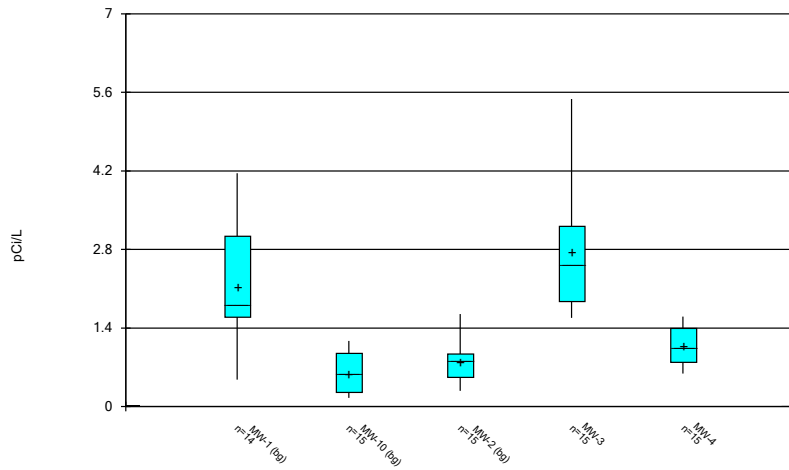
Constituent: Cobalt Analysis Run 12/16/2022 5:29 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



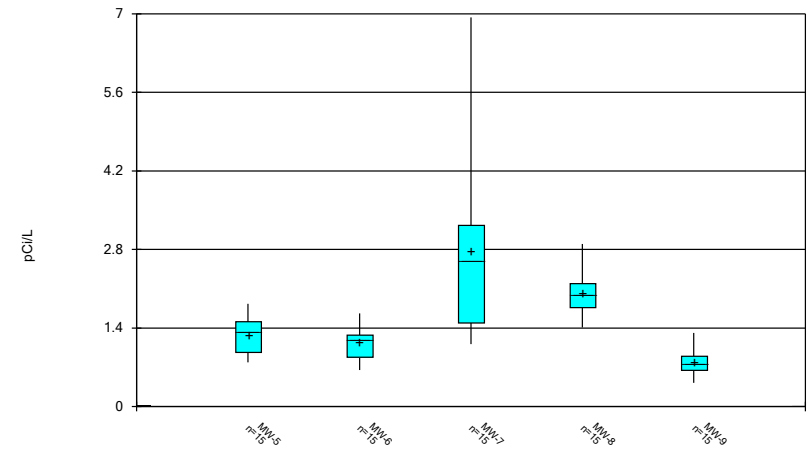
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



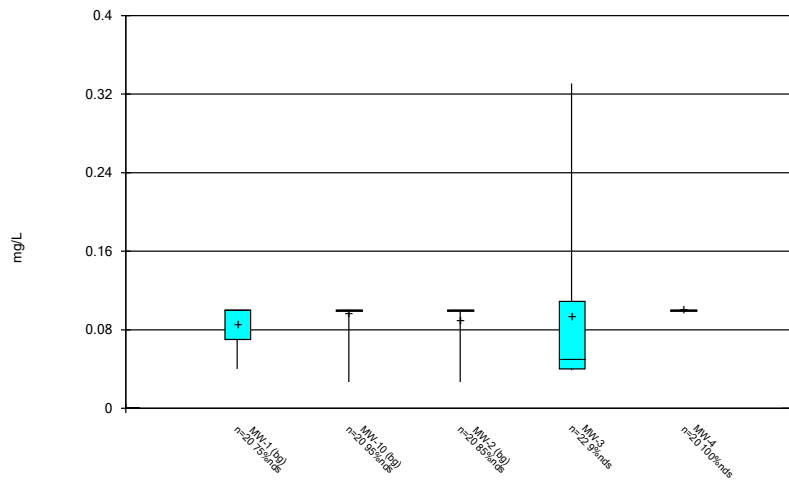
Constituent: Combined Radium 226 + 228 Analysis Run 12/16/2022 5:29 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



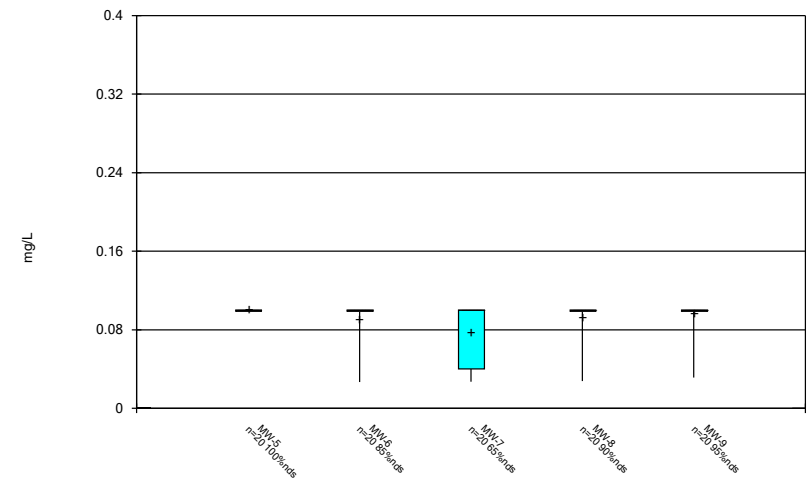
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



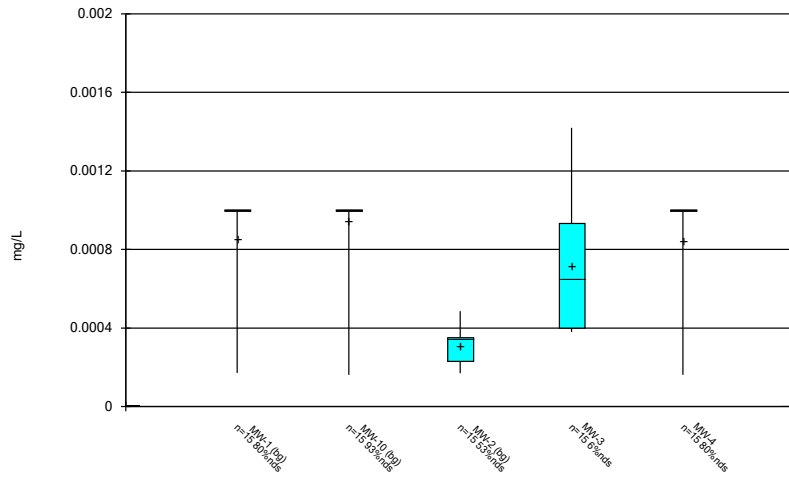
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Box & Whiskers Plot



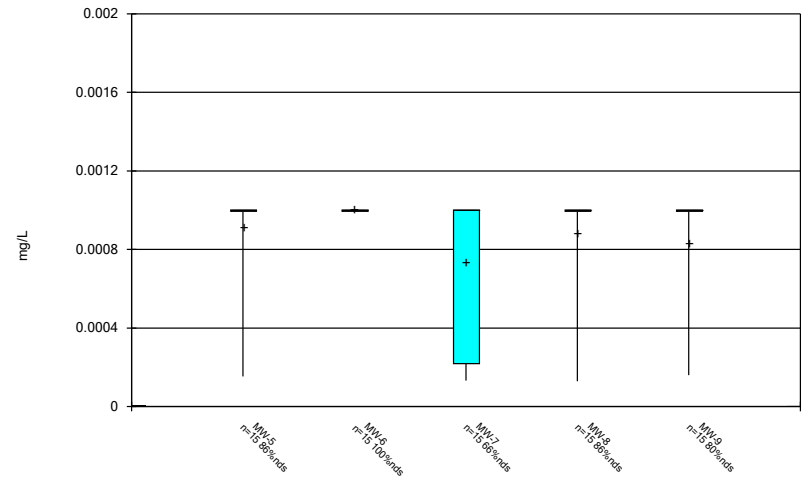
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



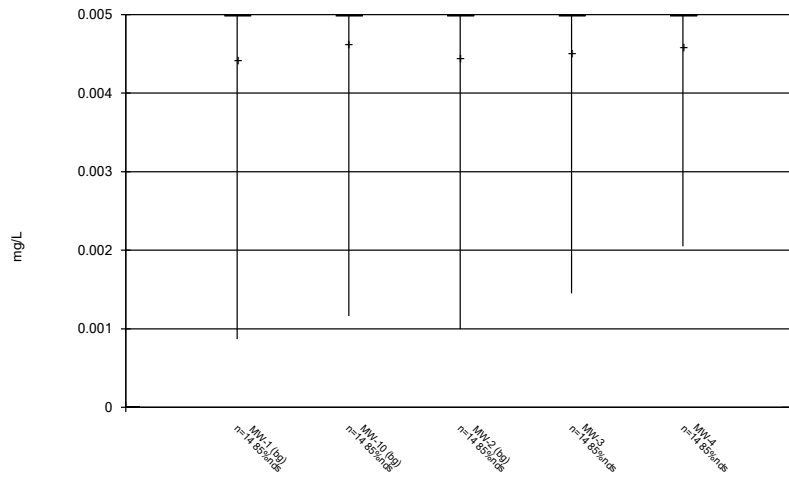
Constituent: Lead Analysis Run 12/16/2022 5:29 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



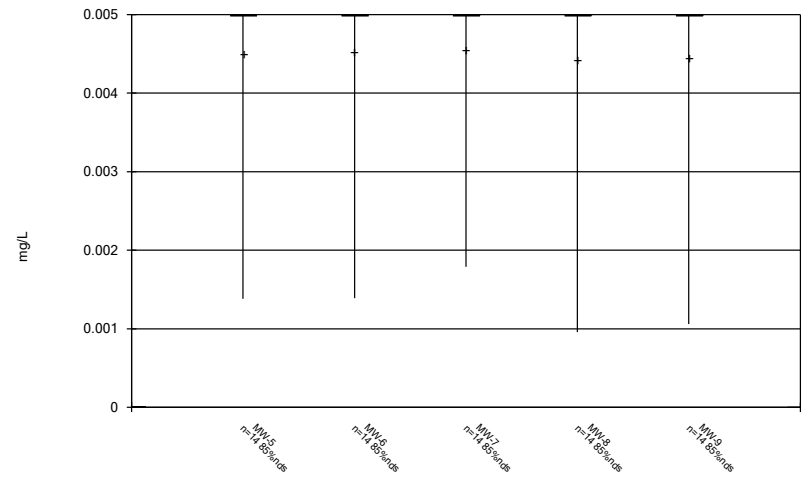
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



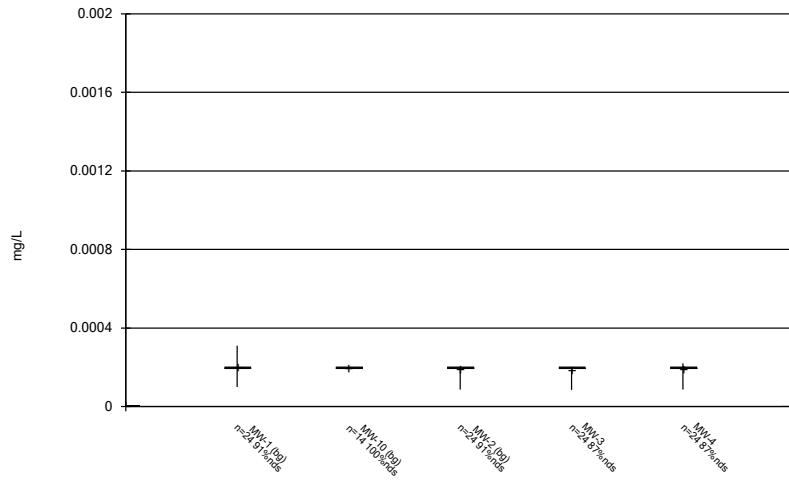
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



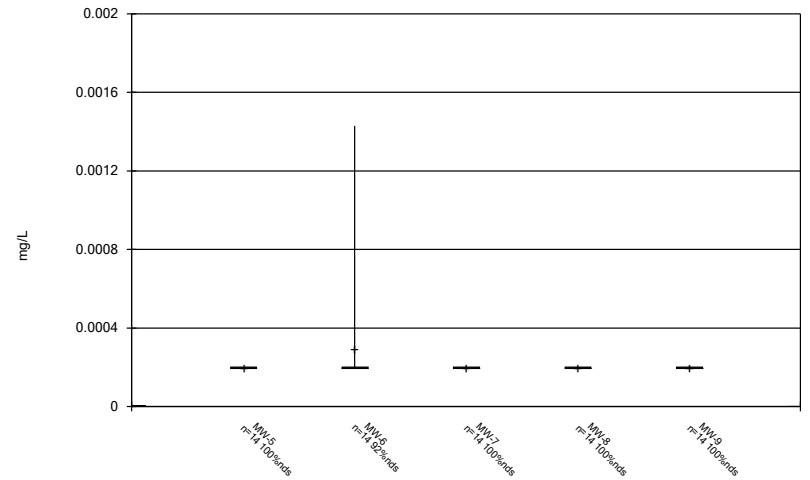
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



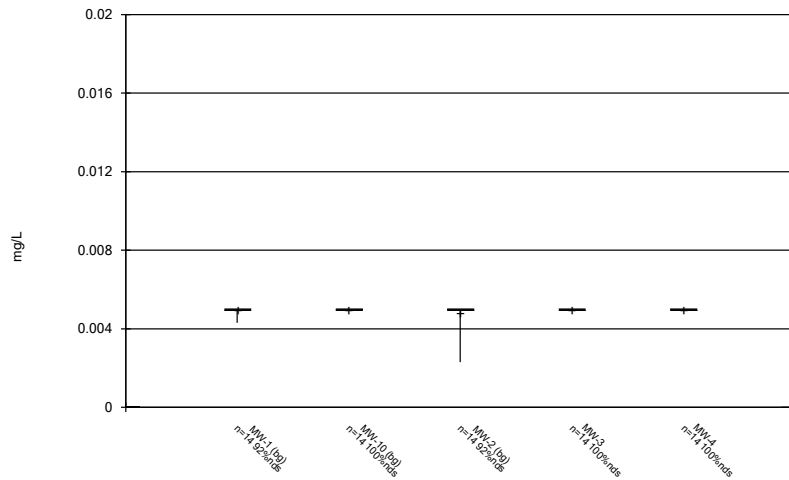
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



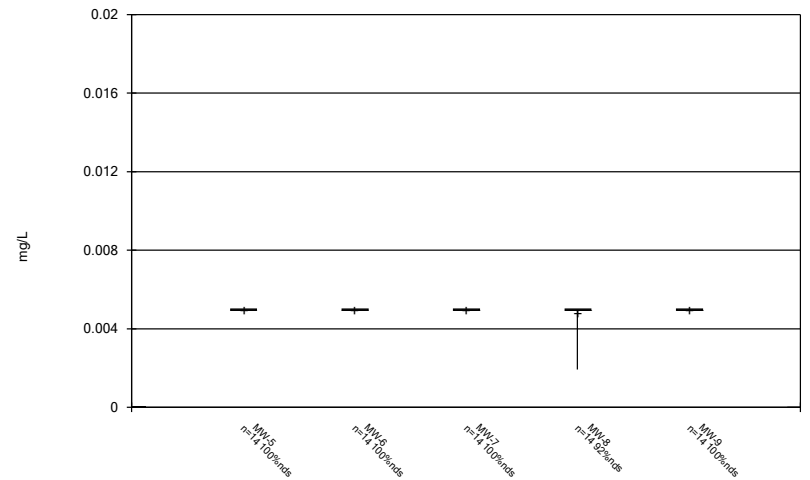
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



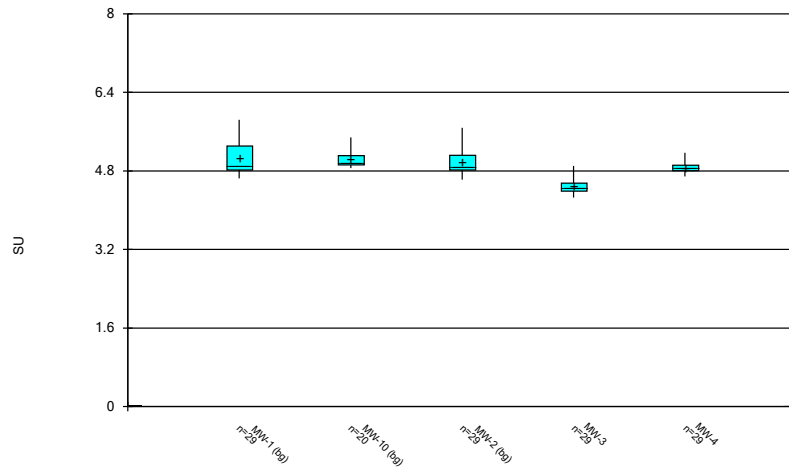
Constituent: Molybdenum Analysis Run 12/16/2022 5:29 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



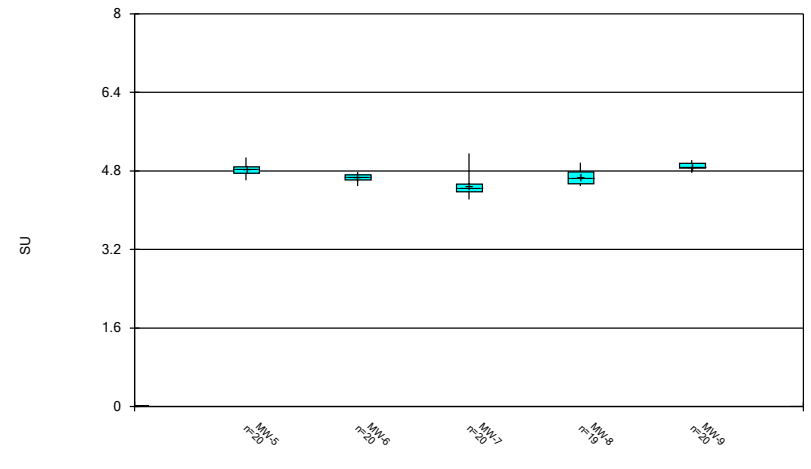
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



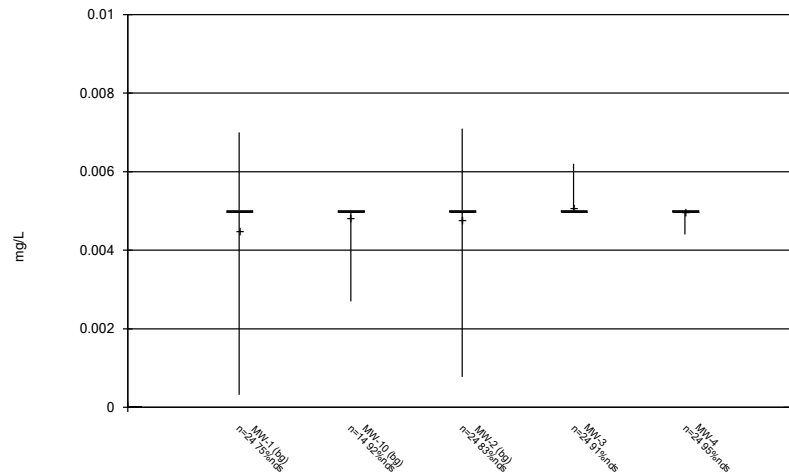
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



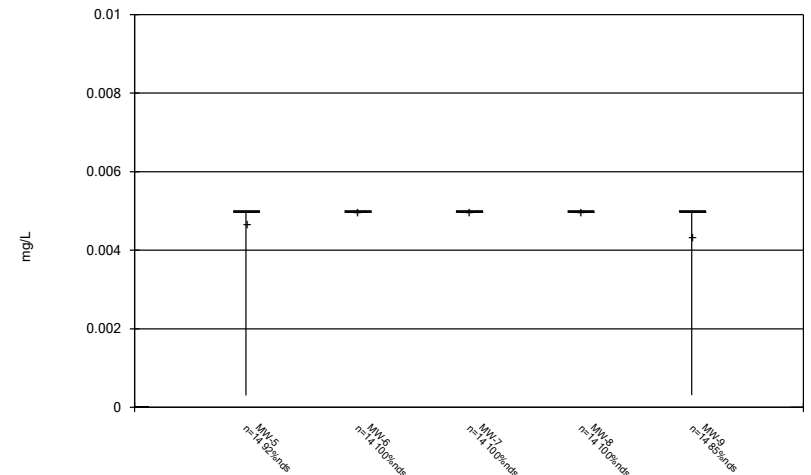
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



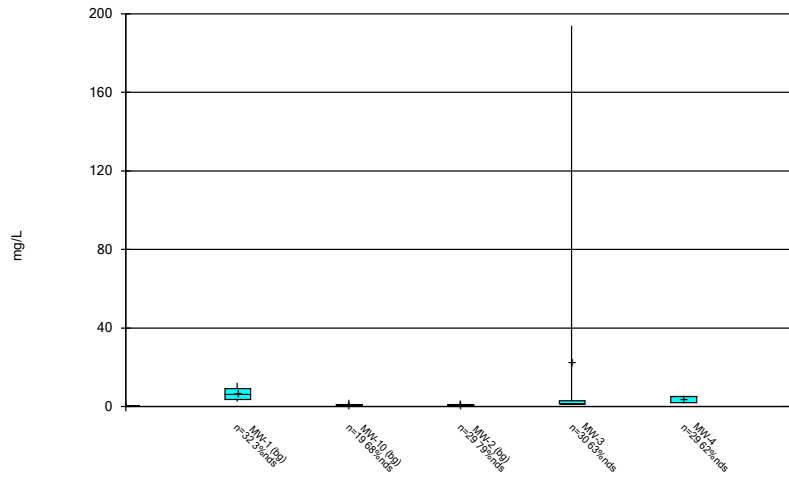
Constituent: Selenium Analysis Run 12/16/2022 5:29 PM
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



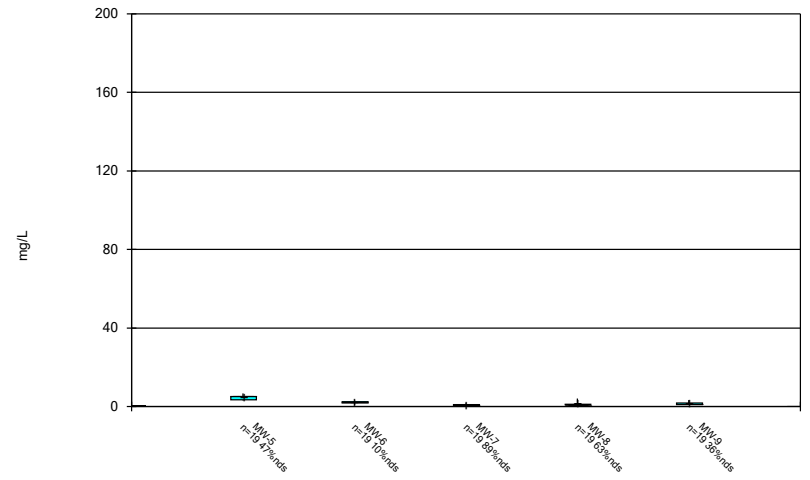
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 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



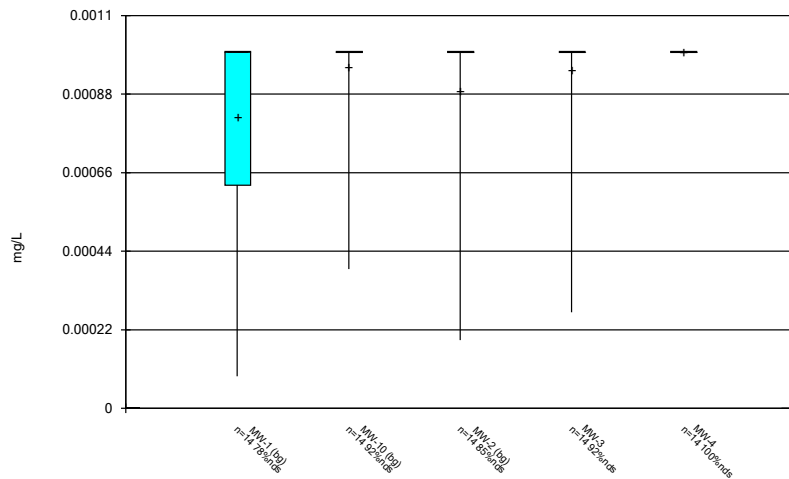
Constituent: Sulfate Analysis Run 12/16/2022 5:29 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



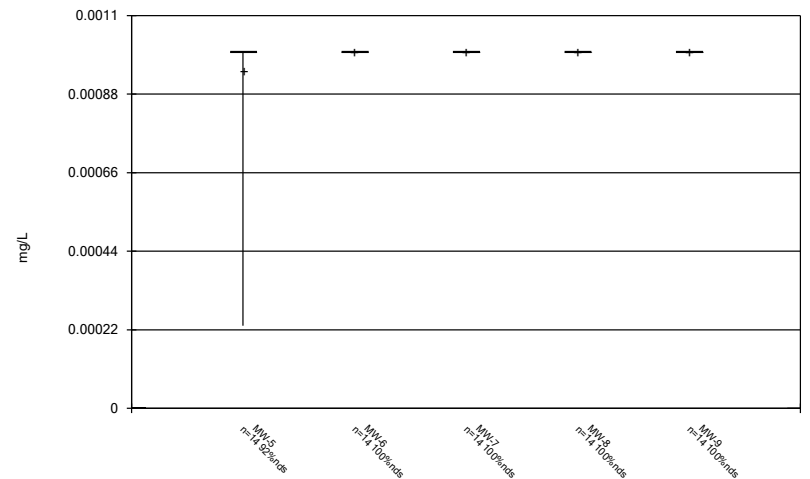
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



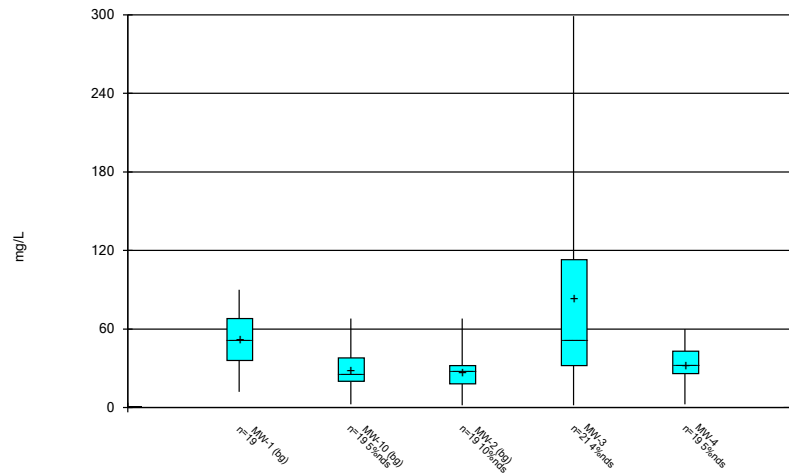
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



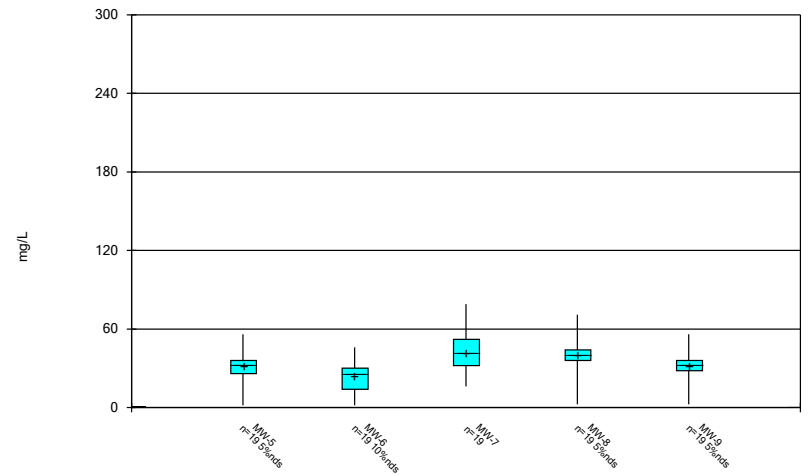
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Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/16/2022 5:29 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 12/16/2022 5:29 PM
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Outlier Summary

Outlier Summary

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/16/2022, 5:30 PM

	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 - Intrawell

Intrawell Prediction Limits - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg	N	Bg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	MW-3	1.615	n/a	10/3/2022	2.19	Yes	11	1.044	0.2254	0	None	No	0.001075	Param Intra	1 of 2	
Chloride (mg/L)	MW-3	11.81	n/a	10/3/2022	12.3	Yes	16	9.844	0.8683	0	None	No	0.001075	Param Intra	1 of 2	
pH (SU)	MW-2	5.68	4.79	10/3/2022	4.75	Yes	27	n/a	n/a	0	n/a	n/a	0.005004	NP Intra (normality)	1 of 2	
Sulfate (mg/L)	MW-10	2.1	n/a	10/3/2022	3.38	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	10/4/2022	6.61	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs)	1 of 2	
Total Dissolved Solids (mg/L)	MW-7	65.57	n/a	10/3/2022	79	Yes	17	39.06	11.86	0	None	No	0.001075	Param Intra	1 of 2	

Intrawell Prediction Limits - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:47 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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	0.0788J	No	17	n/a	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	10/3/2022	0.08ND	No	18	n/a	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	10/4/2022	0.08ND	No	17	n/a	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	10/4/2022	0.08ND	No	17	n/a	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	10/4/2022	0.08ND	No	17	n/a	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	10/3/2022	0.08ND	No	18	n/a	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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	0.08ND	No	17	n/a	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	10/3/2022	2.37	No	8	3.261	0.473	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-10	1.278	n/a	10/3/2022	0.415J	No	16	0.8085	0.2075	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-2	1.288	n/a	10/3/2022	0.969	No	19	0.932	0.1632	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-3	1.615	n/a	10/3/2022	2.19	Yes	11	1.044	0.2254	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-4	2.387	n/a	10/4/2022	0.755	No	18	1.786	0.2723	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-5	2.433	n/a	10/4/2022	1.78	No	18	1.909	0.237	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-6	1.582	n/a	10/4/2022	0.804	No	18	1.219	0.1643	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-7	2.488	n/a	10/3/2022	2.28	No	18	1.641	0.3837	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-8	3.587	n/a	10/3/2022	1.66	No	19	2.392	0.5473	0	None	No	No	0.001075	Param Intra 1 of 2
Calcium (mg/L)	MW-9	1.284	n/a	10/3/2022	0.581	No	19	0.9727	0.1426	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-1	12.87	n/a	10/3/2022	3.41	No	17	5.716	3.201	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-10	8.092	n/a	10/3/2022	4.7	No	17	5.278	1.259	5.882	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-2	10.37	n/a	10/3/2022	9.85	No	17	8.149	0.9926	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-3	11.81	n/a	10/3/2022	12.3	Yes	16	9.844	0.8683	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-4	9.845	n/a	10/4/2022	5.41	No	17	7.669	0.9736	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-5	11.14	n/a	10/4/2022	5.53	No	17	7.845	1.472	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-6	10.5	n/a	10/4/2022	7.67	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	10/3/2022	10.6	No	17	182	79.97	0	None	x^2	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-8	12.06	n/a	10/3/2022	5.95	No	18	9.243	1.274	0	None	No	No	0.001075	Param Intra 1 of 2
Chloride (mg/L)	MW-9	13.2	n/a	10/3/2022	6.96	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.0388J	No	14	n/a	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	10/4/2022	0.1ND	No	18	n/a	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	10/4/2022	0.1ND	No	18	n/a	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	10/4/2022	0.1ND	No	18	n/a	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	10/3/2022	0.032J	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	0.1ND	No	18	n/a	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	10/3/2022	4.92	No	27	5.088	0.3167	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-10	5.48	4.86	10/3/2022	5.13	No	18	n/a	n/a	0	n/a	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-2	5.68	4.79	10/3/2022	4.75	Yes	27	n/a	n/a	0	n/a	n/a	n/a	0.005004	NP Intra (normality) 1 of 2
pH (SU)	MW-3	4.793	4.198	10/3/2022	4.38	No	27	4.495	0.1441	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-4	5.101	4.653	10/4/2022	4.76	No	27	4.877	0.1084	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-5	5.084	4.555	10/4/2022	4.84	No	18	4.819	0.1199	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-6	4.836	4.496	10/4/2022	4.62	No	18	4.666	0.07694	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-7	5.16	4.22	10/3/2022	4.37	No	18	n/a	n/a	0	n/a	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH (SU)	MW-8	4.977	4.352	10/3/2022	4.82	No	17	4.665	0.1398	0	None	No	No	0.0005373	Param Intra 1 of 2
pH (SU)	MW-9	5.051	4.757	10/3/2022	4.95	No	18	4.904	0.06661	0	None	No	No	0.0005373	Param Intra 1 of 2

Intrawell Prediction Limits - All Results

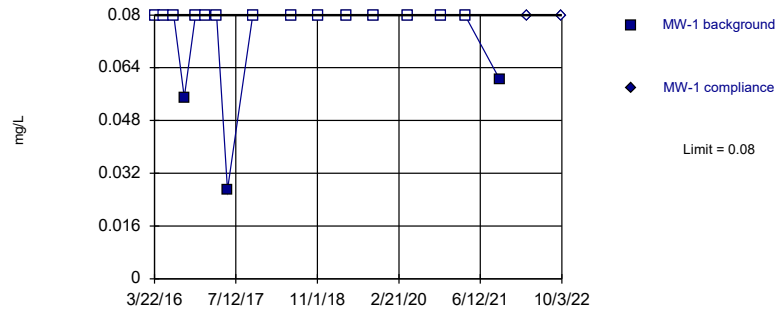
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:47 AM

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	10/3/2022	8.36	No	16	8.634	2.028	6.25	None	No	0.001075	Param Intra	1 of 2
Sulfate (mg/L)	MW-10	2.1	n/a	10/3/2022	3.38	Yes	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs)	1 of 2
Sulfate (mg/L)	MW-2	3.1	n/a	10/3/2022	1ND	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	10/3/2022	1.25	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	10/4/2022	1.86	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs)	1 of 2
Sulfate (mg/L)	MW-5	6.05	n/a	10/4/2022	6.61	Yes	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs)	1 of 2
Sulfate (mg/L)	MW-6	3.436	n/a	10/4/2022	0.791J	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	10/3/2022	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	10/3/2022	3.06	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	10/3/2022	2.45	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	10/3/2022	64	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	10/3/2022	33	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	10/3/2022	41	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	10/3/2022	61	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	10/4/2022	36	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	10/4/2022	41	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	10/4/2022	28	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	10/3/2022	79	Yes	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	10/3/2022	40	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	10/3/2022	31	No	17	30.44	10.85	5.882	None	No	0.001075	Param Intra	1 of 2

Within Limit

Prediction Limit

Intrawell Non-parametric



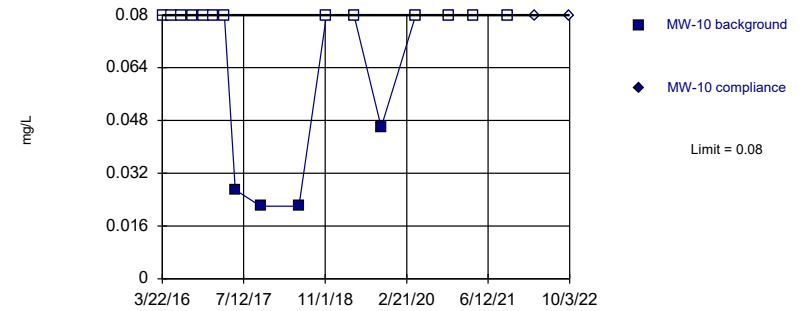
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



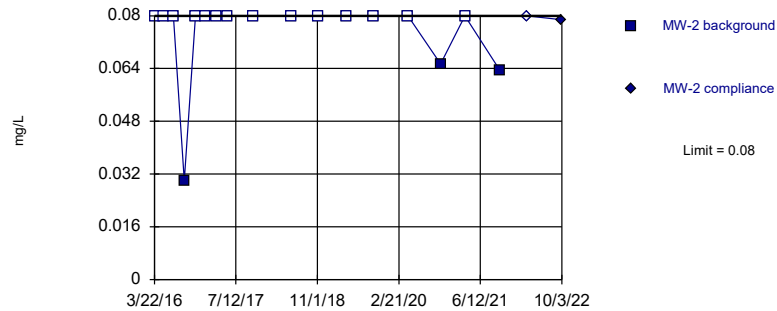
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



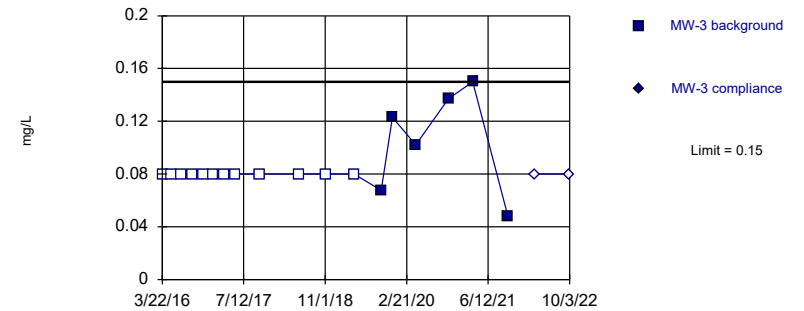
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



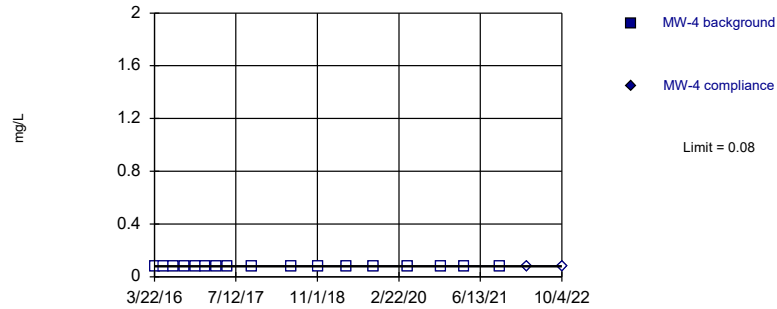
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



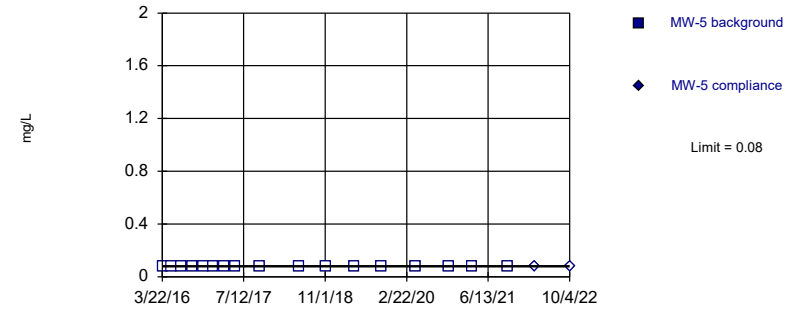
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



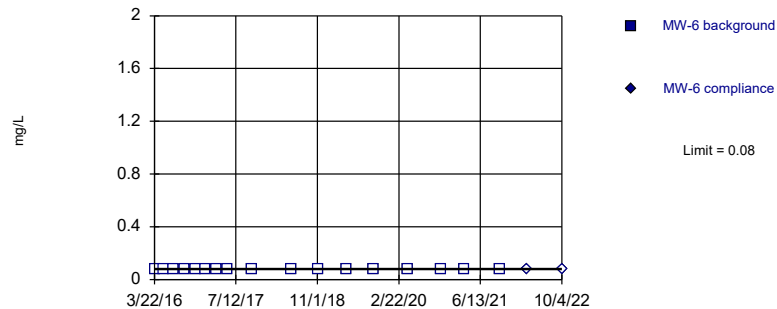
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Non-parametric



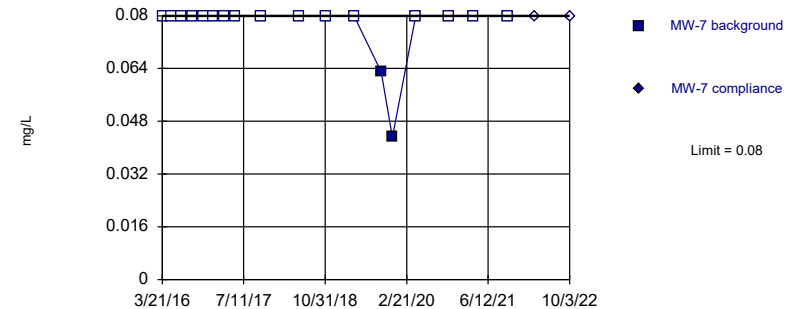
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit

Intrawell Non-parametric

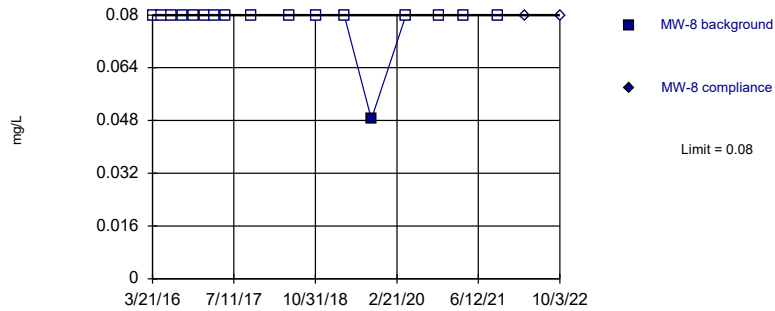


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

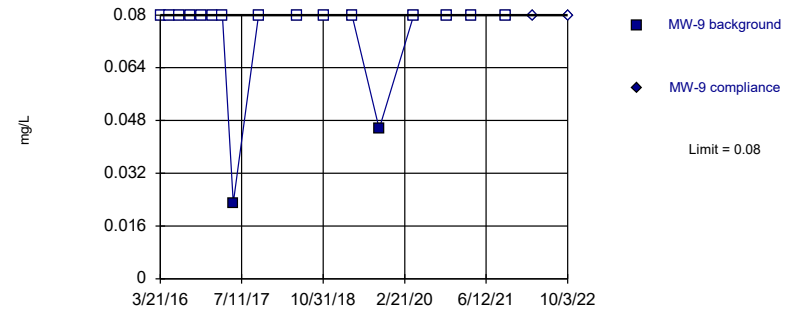


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

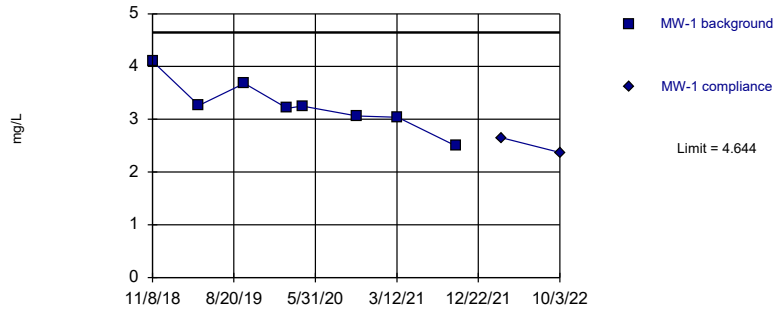


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

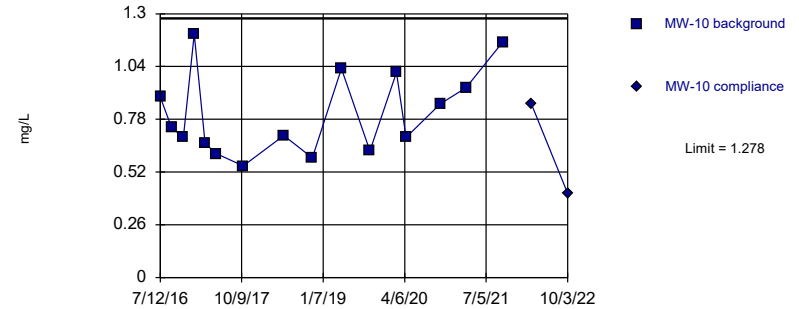


Background Data Summary: Mean=3.261, Std. Dev.=0.473, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9411, critical = 0.749. Kappa = 2.923 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

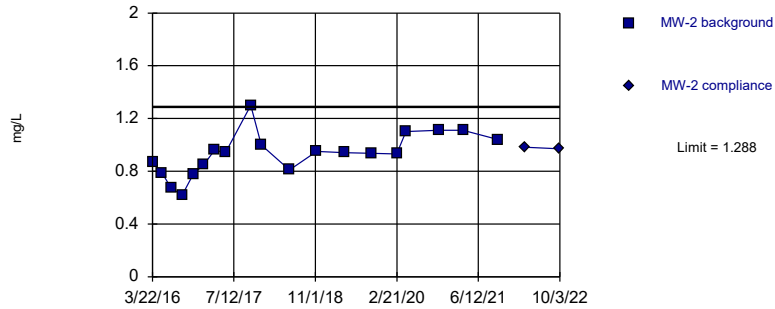


Background Data Summary: Mean=0.8085, Std. Dev.=0.2075, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9117, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

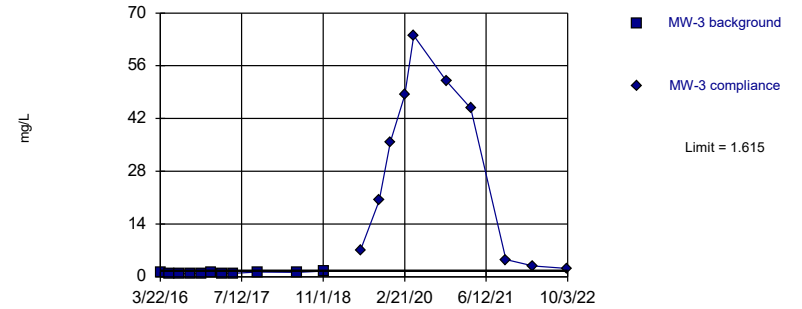


Background Data Summary: Mean=0.932, Std. Dev.=0.1632, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9763, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

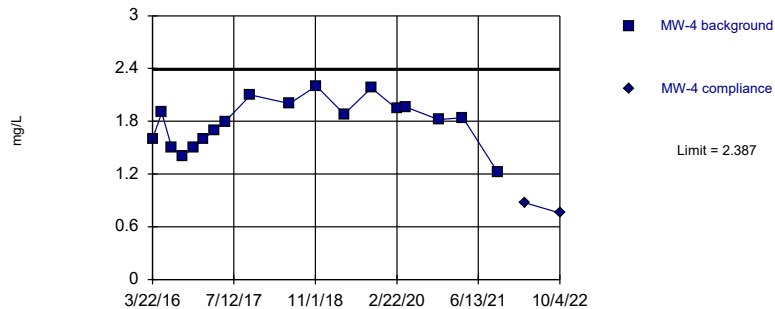


Background Data Summary: Mean=1.044, Std. Dev.=0.2254, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.792. Kappa = 2.535 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

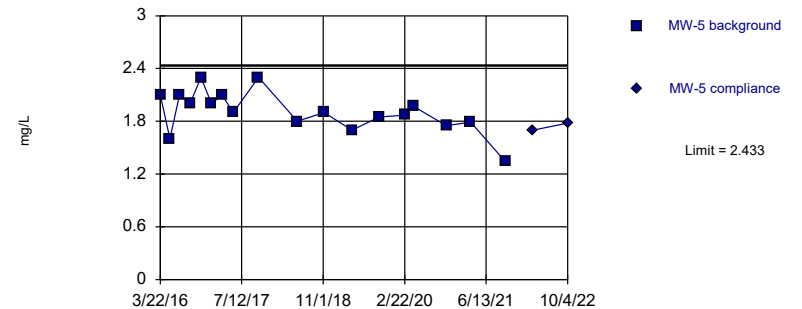


Background Data Summary: Mean=1.786, Std. Dev.=0.2723, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

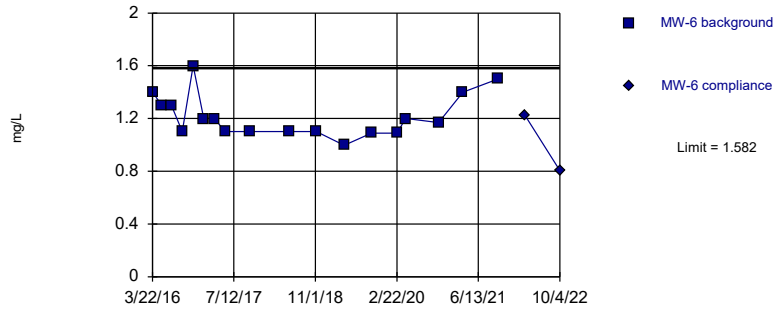


Background Data Summary: Mean=1.909, Std. Dev.=0.237, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9661, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:40 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

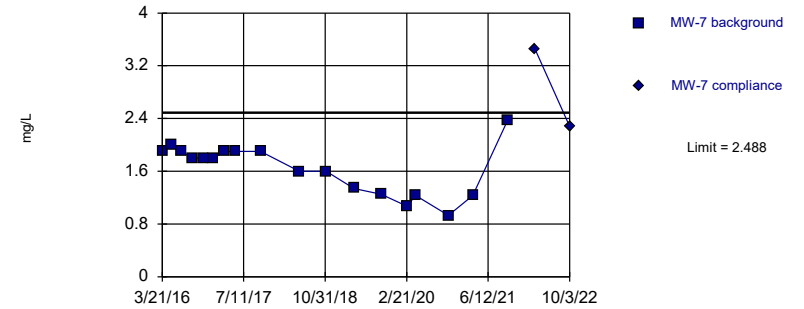


Background Data Summary: Mean=1.219, Std. Dev.=0.1643, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8836, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

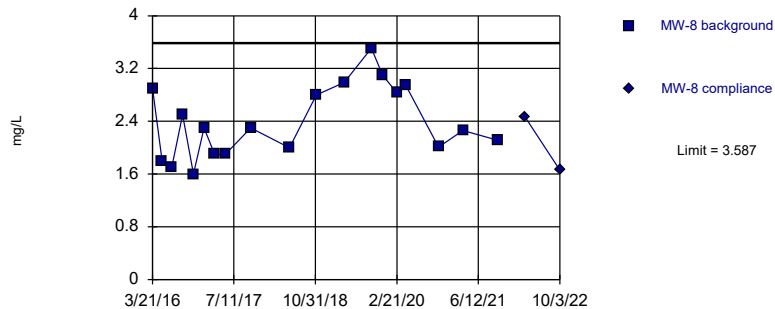


Background Data Summary: Mean=1.641, Std. Dev.=0.3837, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.927, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

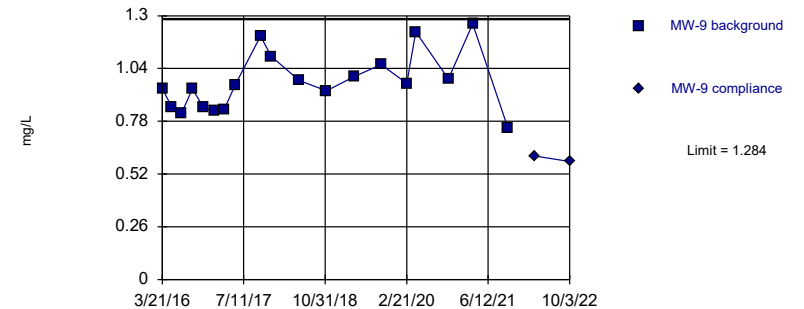


Background Data Summary: Mean=2.392, Std. Dev.=0.5473, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9457, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

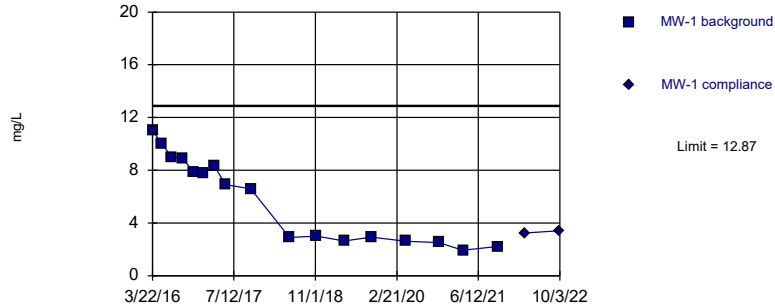


Background Data Summary: Mean=0.9727, Std. Dev.=0.1426, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9372, critical = 0.863. Kappa = 2.184 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Calcium Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

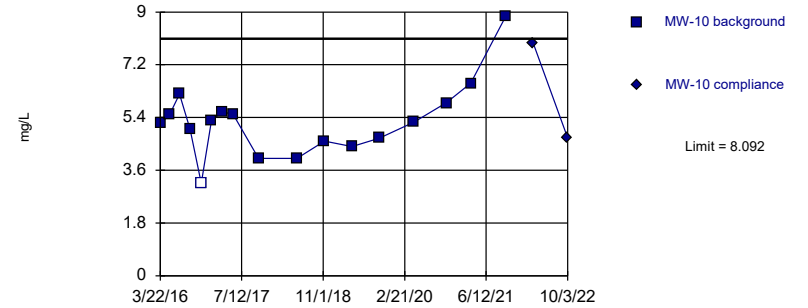


Background Data Summary: Mean=5.716, Std. Dev.=3.201, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.857, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

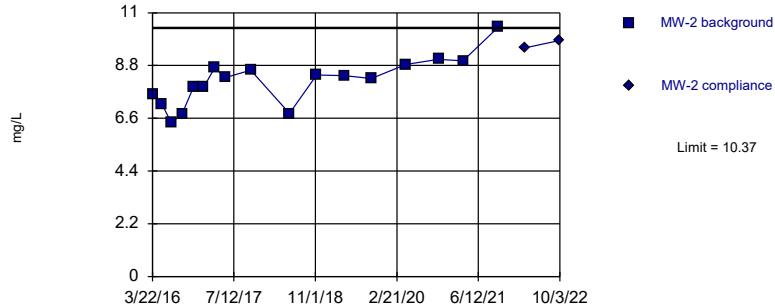


Background Data Summary: Mean=5.278, Std. Dev.=1.259, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9135, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

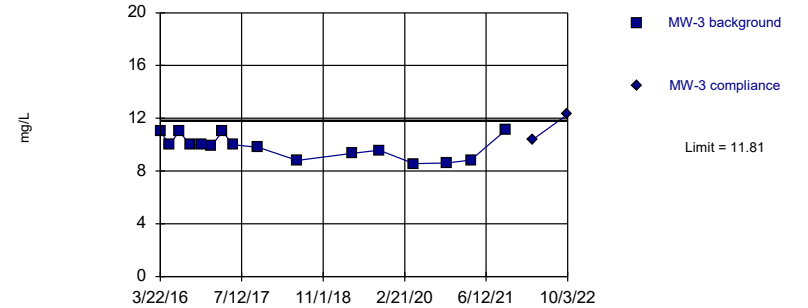


Background Data Summary: Mean=8.149, Std. Dev.=0.9926, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9623, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

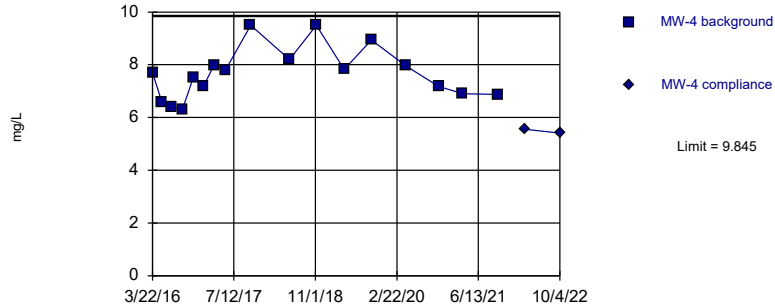


Background Data Summary: Mean=9.844, Std. Dev.=0.8683, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9056, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

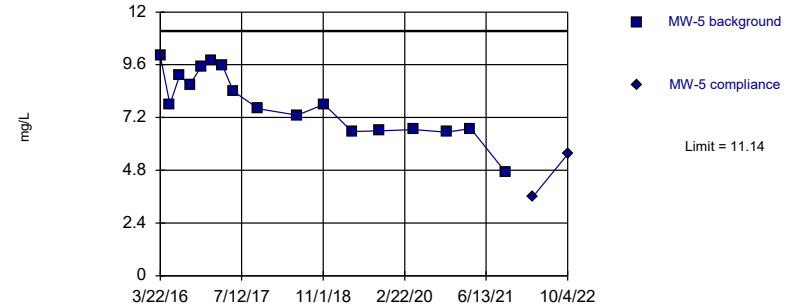


Background Data Summary: Mean=7.669, Std. Dev.=0.9736, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9376, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

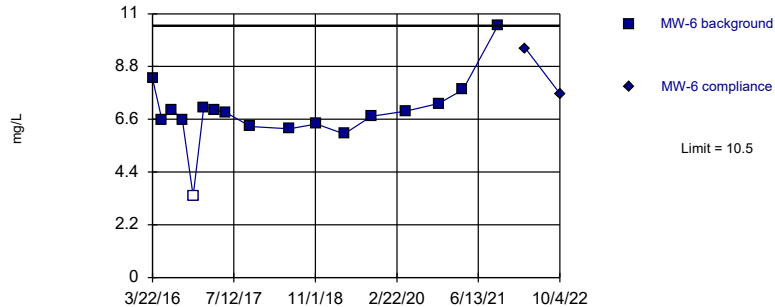


Background Data Summary: Mean=7.845, Std. Dev.=1.472, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9436, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Non-parametric

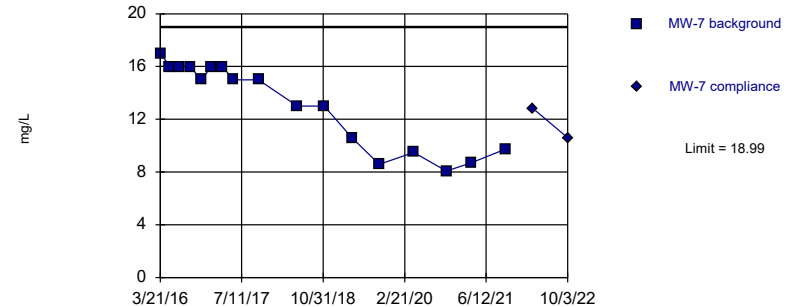


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit Intrawell Parametric

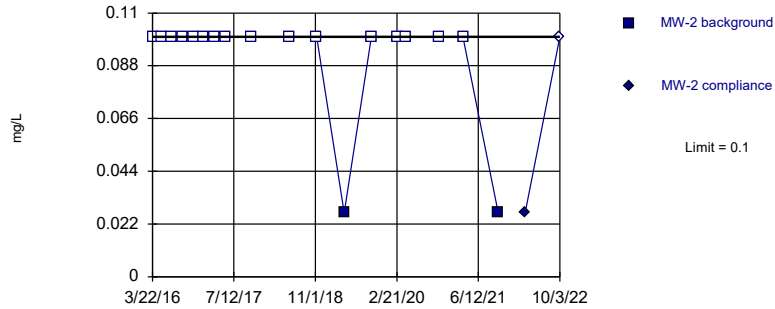


Background Data Summary (based on square transformation): Mean=182, Std. Dev.=79.97, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8578, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Chloride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

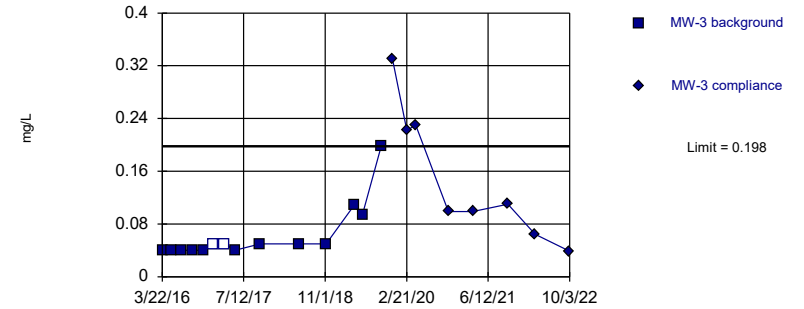


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

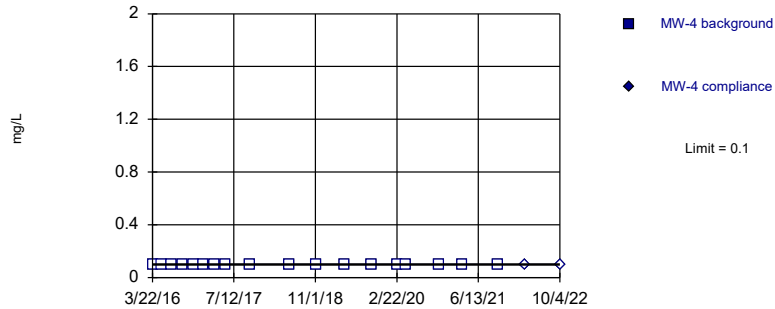


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 14.29% NDs. Well-constituent pair annual alpha = 0.01715. Individual comparison alpha = 0.008612 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

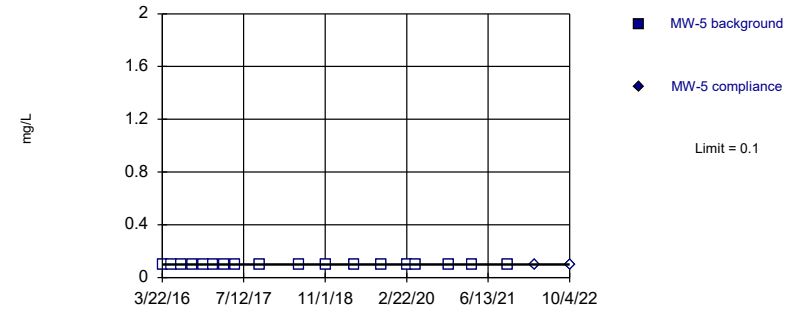


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

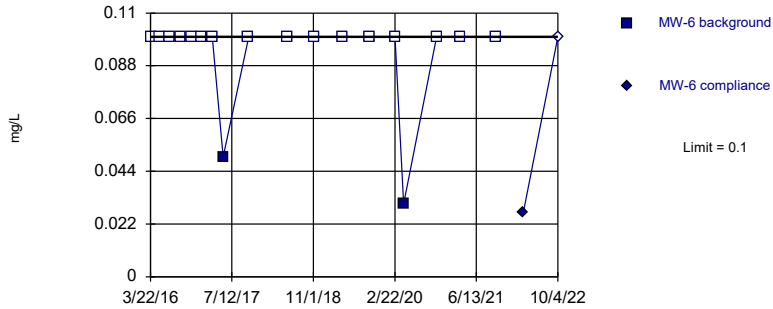


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 18) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

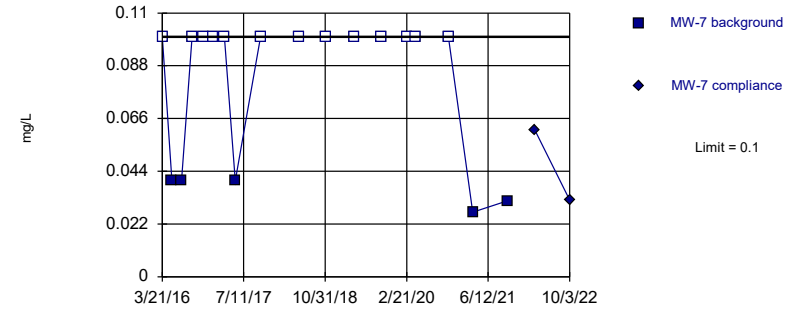


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

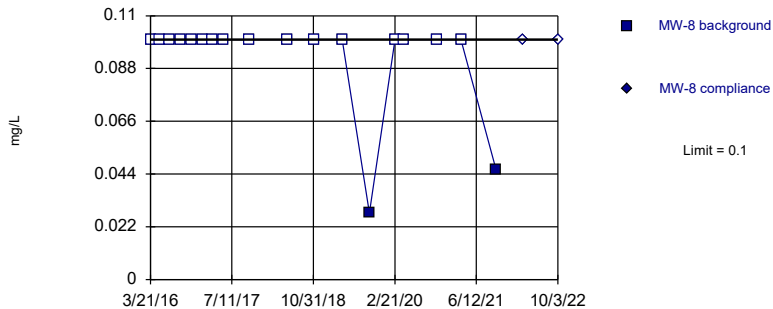


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

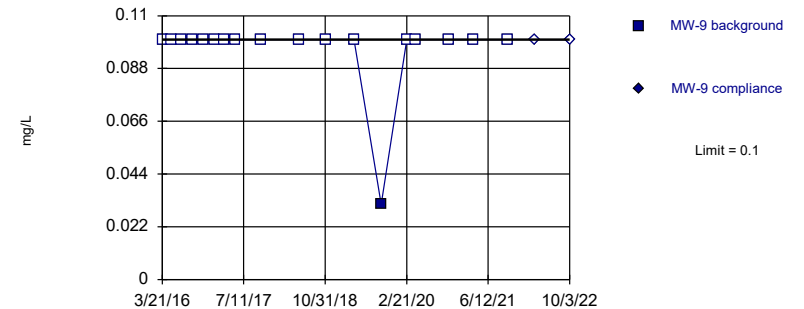


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

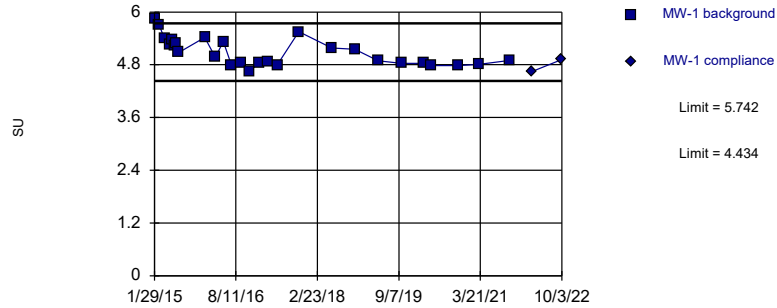


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 94.44% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Fluoride Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

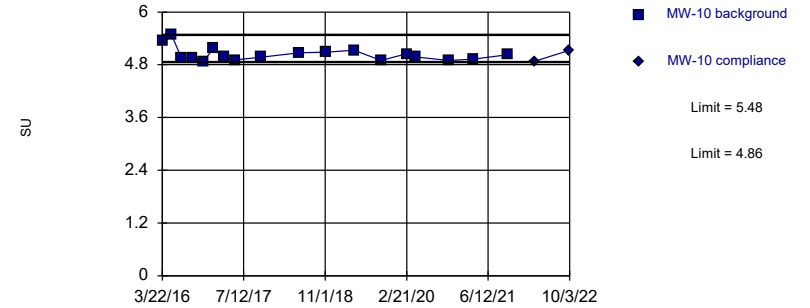


Background Data Summary: Mean=5.088, Std. Dev.=0.3167, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

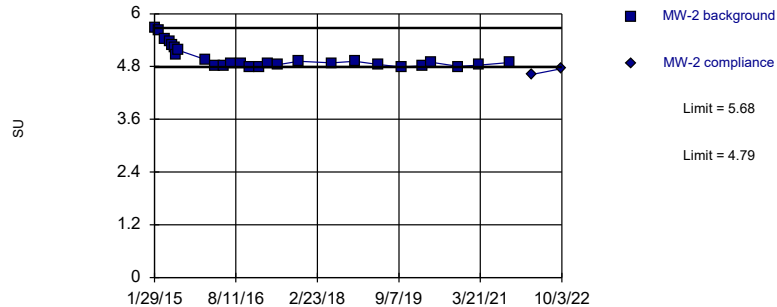


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limits

Prediction Limit
Intrawell Non-parametric

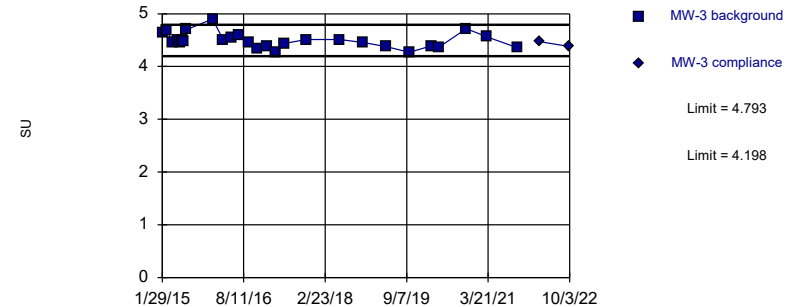


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 27 background values. Well-constituent pair annual alpha = 0.009996. Individual comparison alpha = 0.005004 (1 of 2).

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

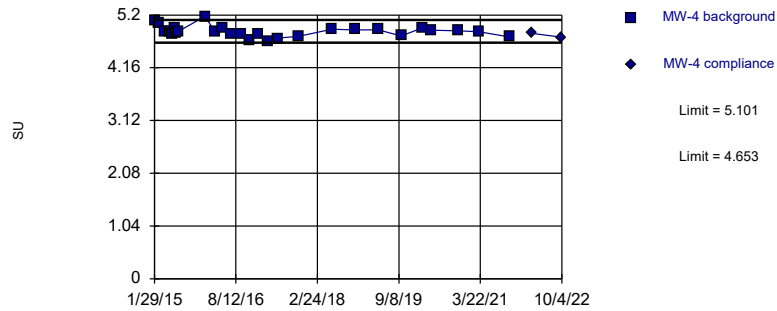


Background Data Summary: Mean=4.495, Std. Dev.=0.1441, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.95, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

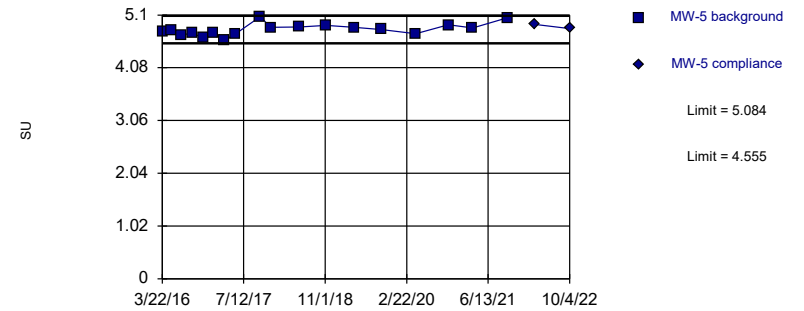


Background Data Summary: Mean=4.877, Std. Dev.=0.1084, n=27. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9473, critical = 0.894. Kappa = 2.064 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

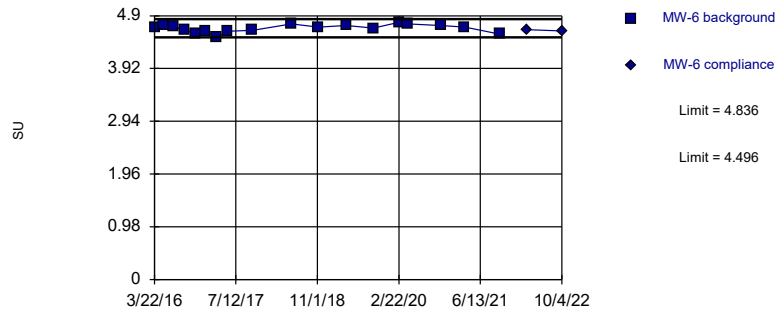


Background Data Summary: Mean=4.819, Std. Dev.=0.1199, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

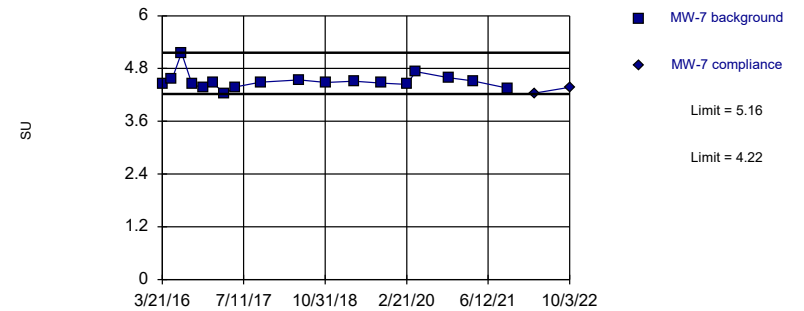


Background Data Summary: Mean=4.666, Std. Dev.=0.07694, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9541, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Non-parametric

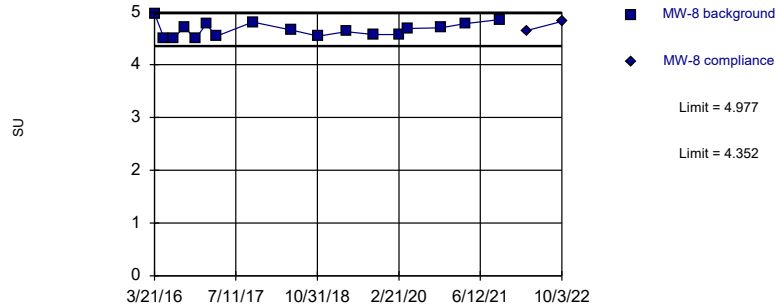


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

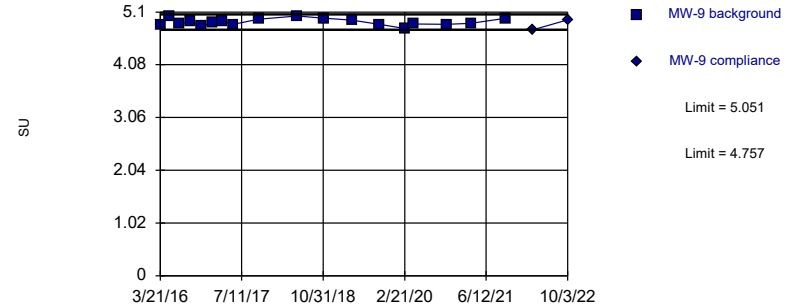


Background Data Summary: Mean=4.665, Std. Dev.=0.1398, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limits

Prediction Limit
Intrawell Parametric

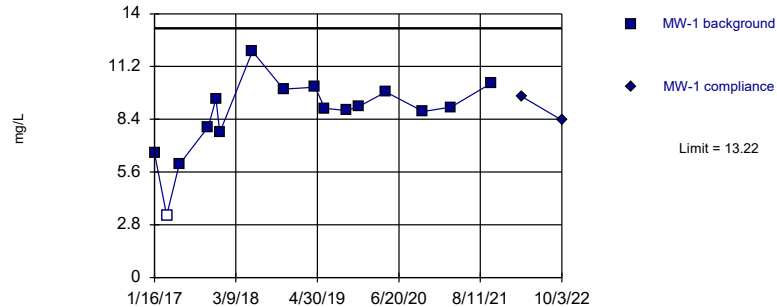


Background Data Summary: Mean=4.904, Std. Dev.=0.06661, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.858. Kappa = 2.209 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: pH Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

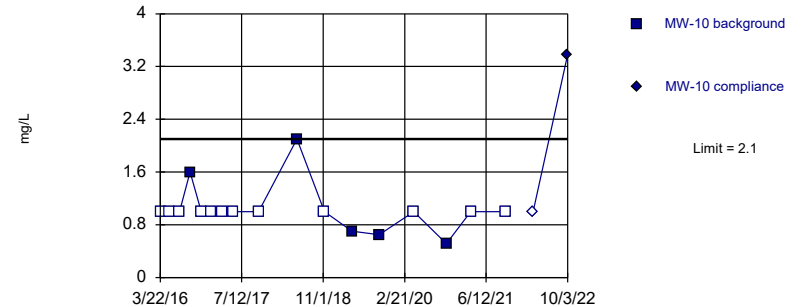


Background Data Summary: Mean=8.634, Std. Dev.=2.028, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9092, critical = 0.844. Kappa = 2.261 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

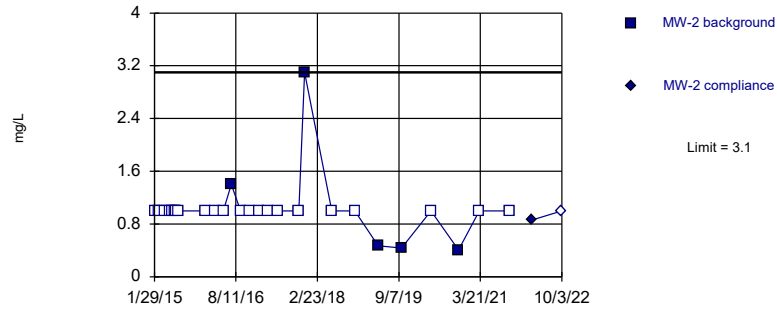


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

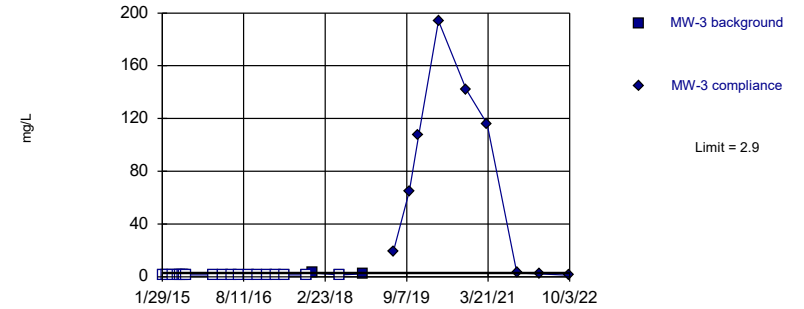


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

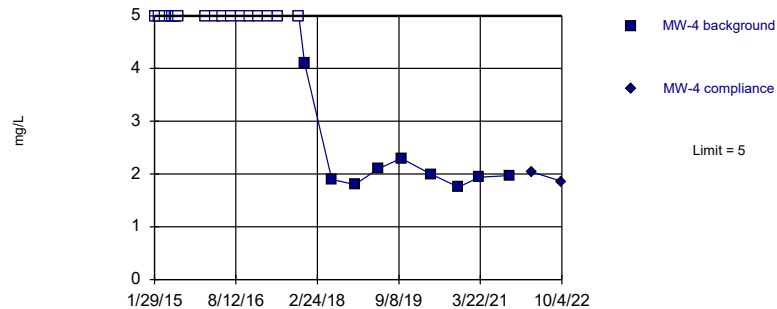


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

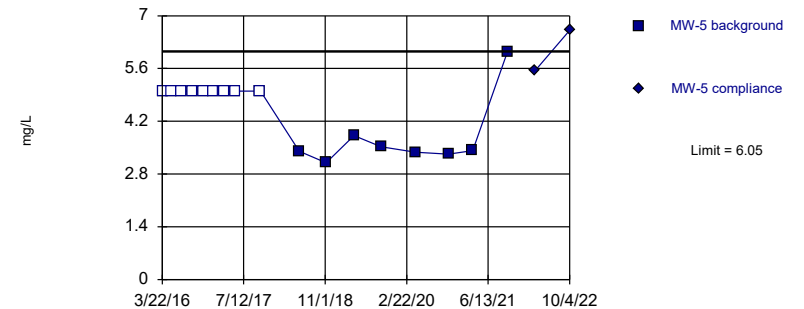


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

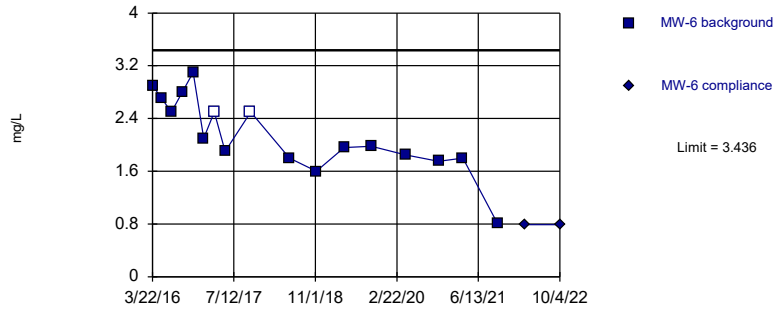


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

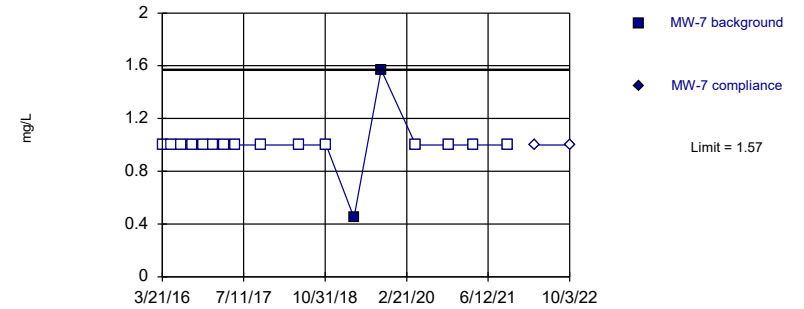


Background Data Summary: Mean=2.15, Std. Dev.=0.5757, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9464, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

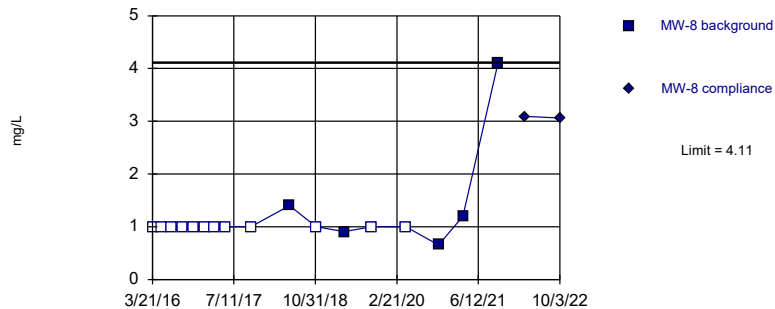


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

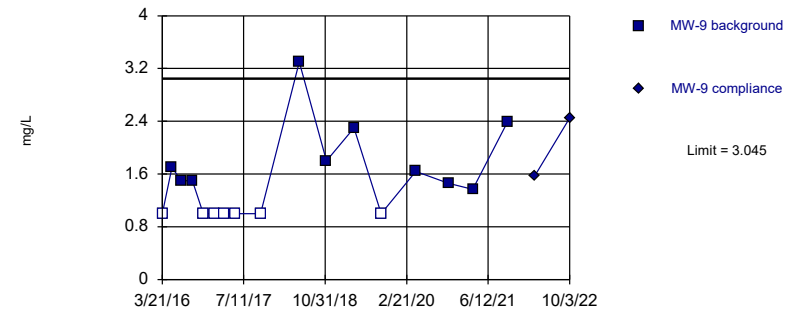


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

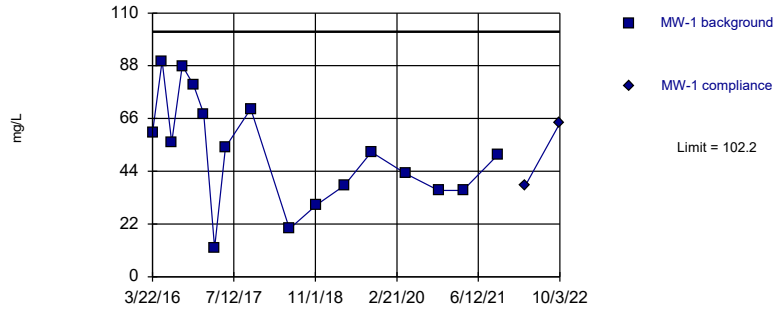


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=1.127, Std. Dev.=0.1444, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8517, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Sulfate Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

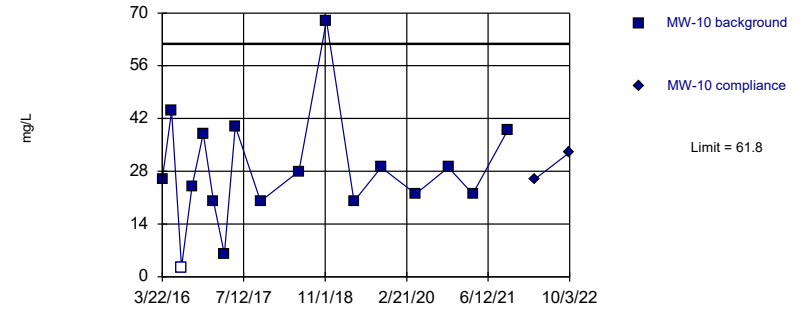


Background Data Summary: Mean=52, Std. Dev.=22.48, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9759, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

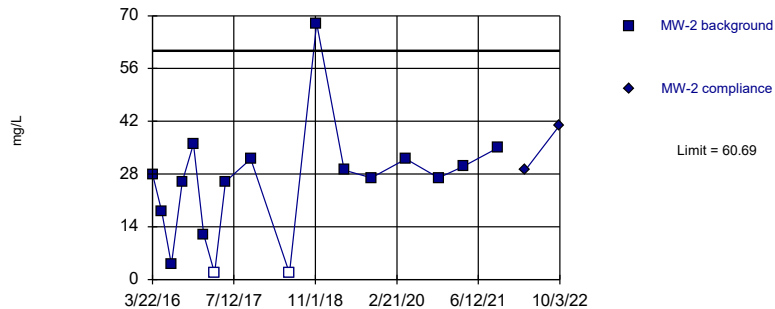


Background Data Summary: Mean=28.09, Std. Dev.=15.09, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9241, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

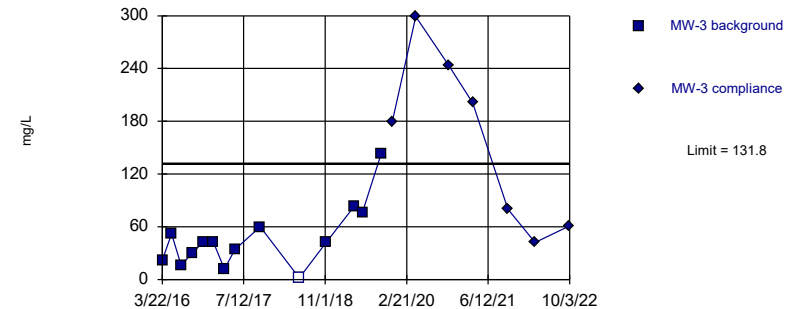


Background Data Summary: Mean=25.49, Std. Dev.=15.75, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8725, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

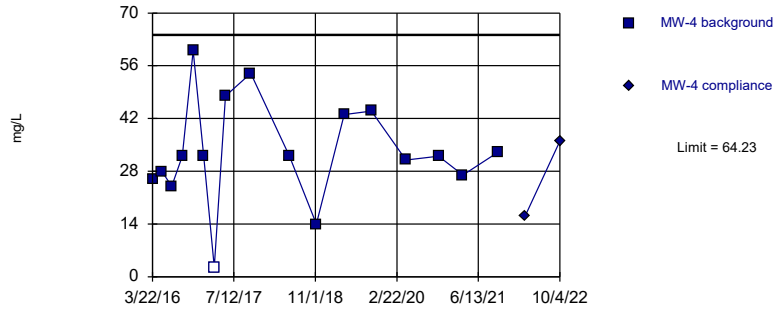


Background Data Summary: Mean=46.84, Std. Dev.=36.1, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8882, critical = 0.825. Kappa = 2.355 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

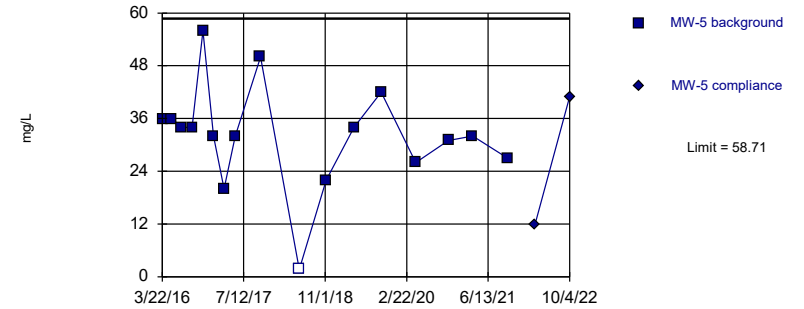


Background Data Summary: Mean=33.09, Std. Dev.=13.93, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9527, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

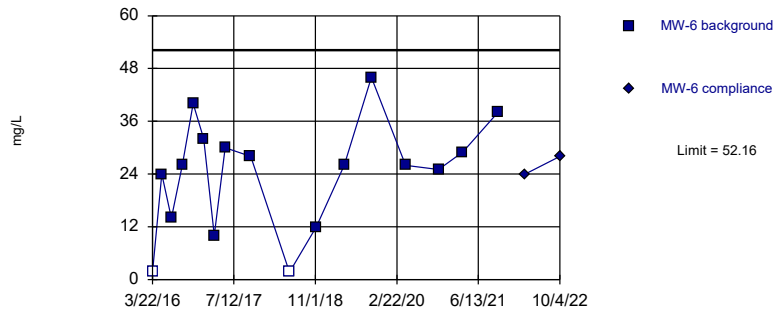


Background Data Summary: Mean=32.1, Std. Dev.=11.91, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9243, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
Intrawell Parametric

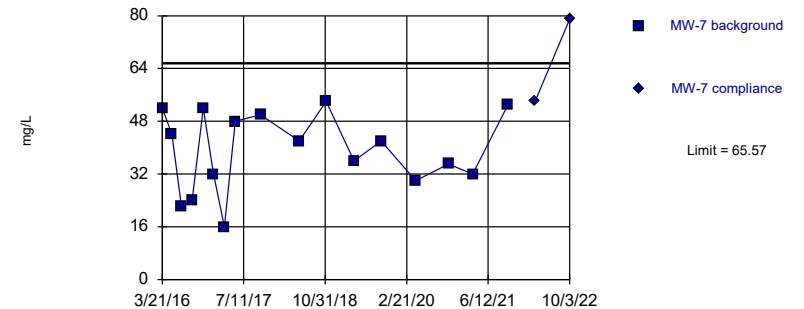


Background Data Summary: Mean=24.08, Std. Dev.=12.56, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.945, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

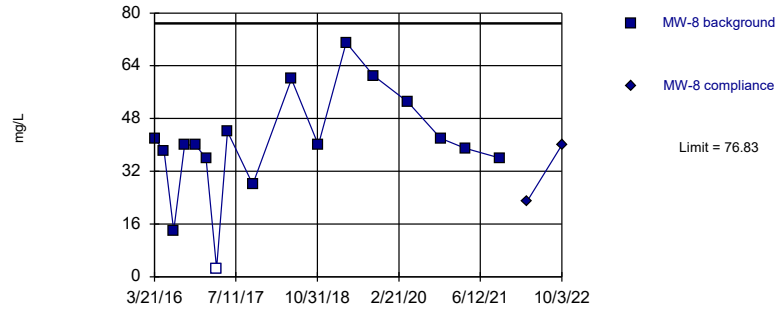


Background Data Summary: Mean=39.06, Std. Dev.=11.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9358, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Within Limit

Prediction Limit
 Intrawell Parametric

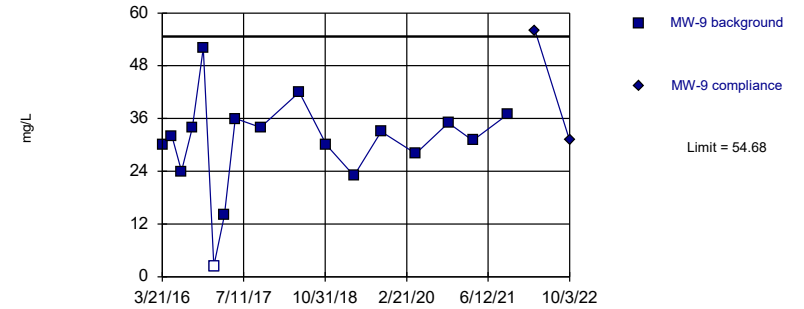


Background Data Summary: Mean=40.38, Std. Dev.=16.31, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.851. Kappa = 2.235 (c=7, w=7, 1 of 2, event alpha = 0.05132). Report alpha = 0.001075.

Constituent: Total Dissolved Solids Analysis Run 12/17/2022 8:41 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 12/17/2022 8:41 AM View: Intrawell PL
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: pH (SU) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 AM View: IntraWell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 12/17/2022 8:47 AM View: Intrawell PL
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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

Trend Tests - Prediction Limit Exceedances

Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5495	-151	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.04309	95	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.7138	118	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.443	-125	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.4014	115	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.256	345	161	Yes	32	3.125	n/a	n/a	0.01	NP

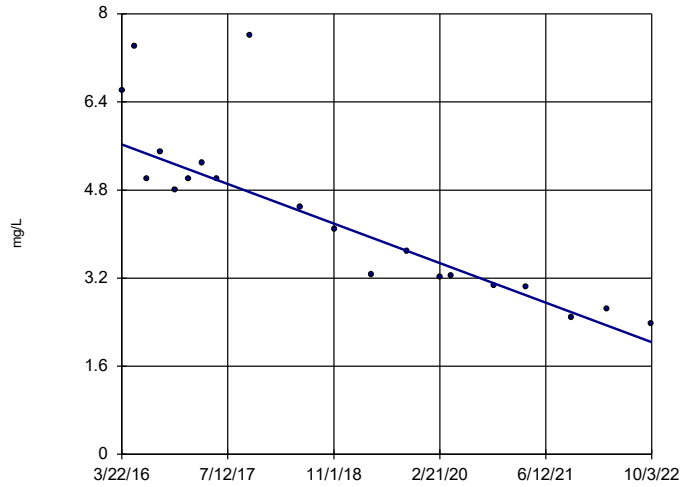
Trend Tests - Prediction Limit Exceedances - All Results

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 8:53 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	MW-1 (bg)	-0.5495	-151	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-10 (bg)	0.0007199	2	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-2 (bg)	0.04309	95	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	MW-3	0.7138	118	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-1 (bg)	-1.443	-125	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-10 (bg)	0.2189	35	74	No	19	5.263	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-2 (bg)	0.4014	115	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	MW-3	-0.1417	-30	-68	No	18	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-1 (bg)	1.256	345	161	Yes	32	3.125	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-10 (bg)	0	-11	-74	No	19	68.42	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-2 (bg)	0	-65	-139	No	29	79.31	n/a	n/a	0.01	NP
Sulfate (mg/L)	MW-5	0	-15	-74	No	19	47.37	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-1 (bg)	-4.72	-53	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-10 (bg)	0.8022	23	74	No	19	5.263	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-2 (bg)	2.032	58	74	No	19	10.53	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	MW-7	1.775	35	74	No	19	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

MW-1 (bg)

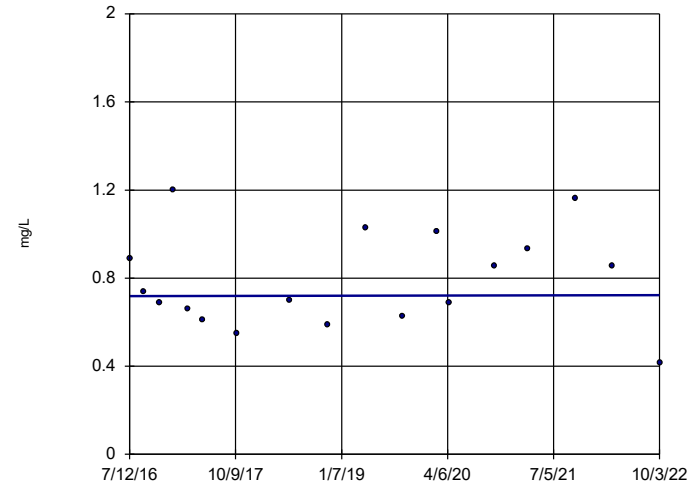


n = 20
 Slope = -0.5495 units per year.
 Mann-Kendall statistic = -151
 critical = -81
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-10 (bg)

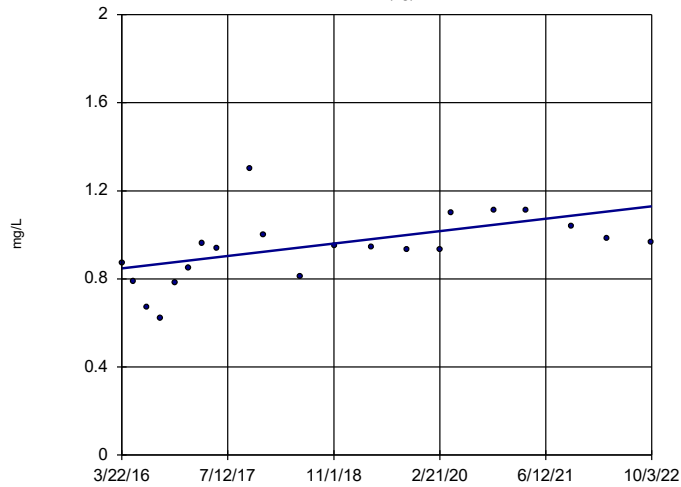


n = 18
 Slope = 0.0007199 units per year.
 Mann-Kendall statistic = 2
 critical = 68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-2 (bg)

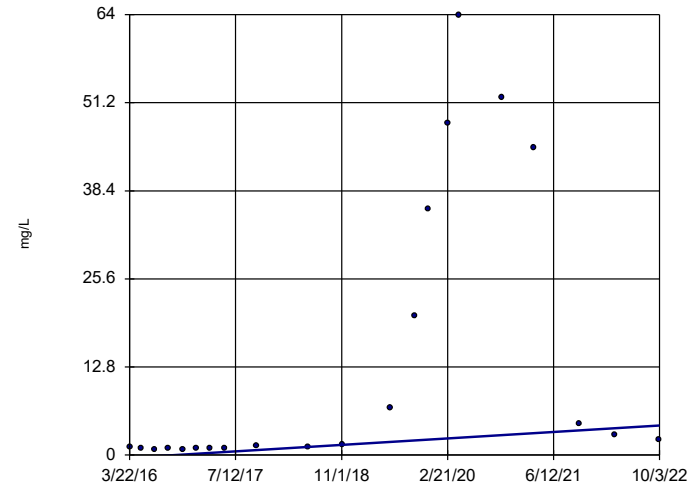


n = 21
 Slope = 0.04309 units per year.
 Mann-Kendall statistic = 95
 critical = 87
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-3

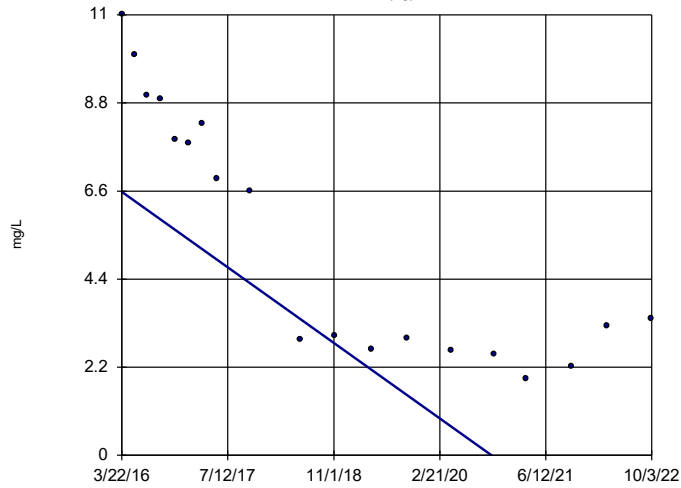


n = 21
 Slope = 0.7138 units per year.
 Mann-Kendall statistic = 118
 critical = 87
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-1 (bg)



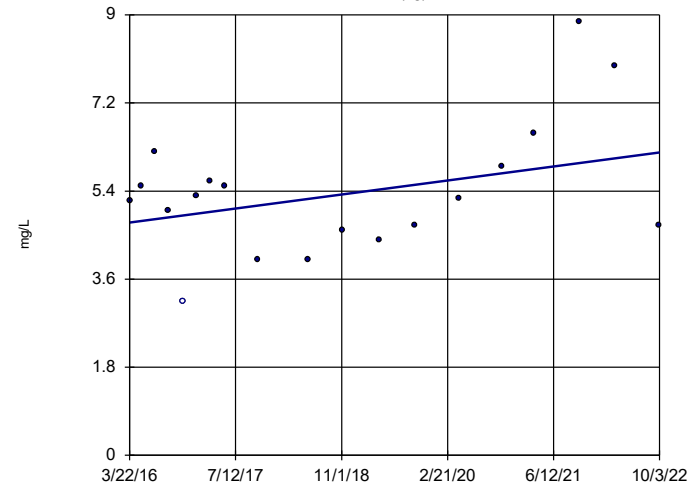
n = 19
 Slope = -1.443
 units per year.
 Mann-Kendall
 statistic = -125
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Hollow symbols indicate censored values.

Sen's Slope Estimator

MW-10 (bg)

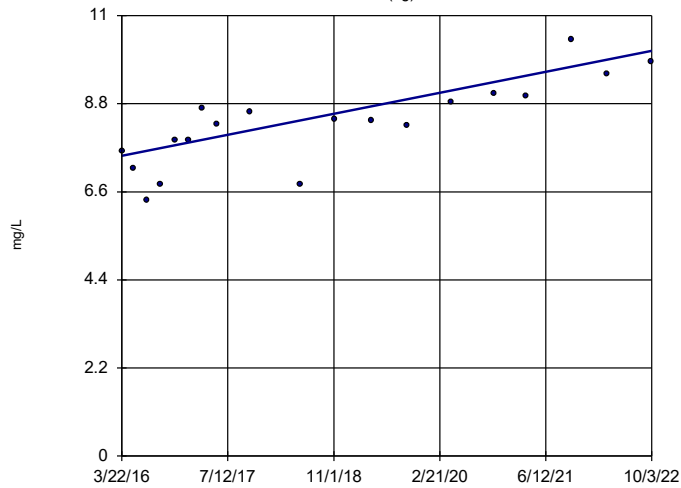


n = 19
 Slope = 0.2189
 units per year.
 Mann-Kendall
 statistic = 35
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-2 (bg)

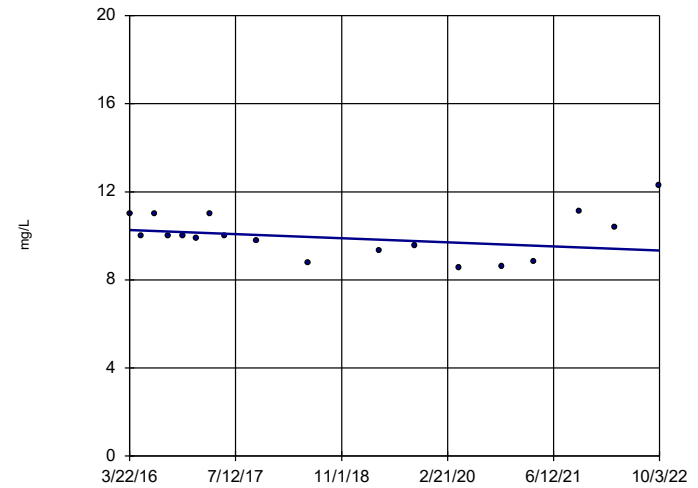


n = 19
 Slope = 0.4014
 units per year.
 Mann-Kendall
 statistic = 115
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
 Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

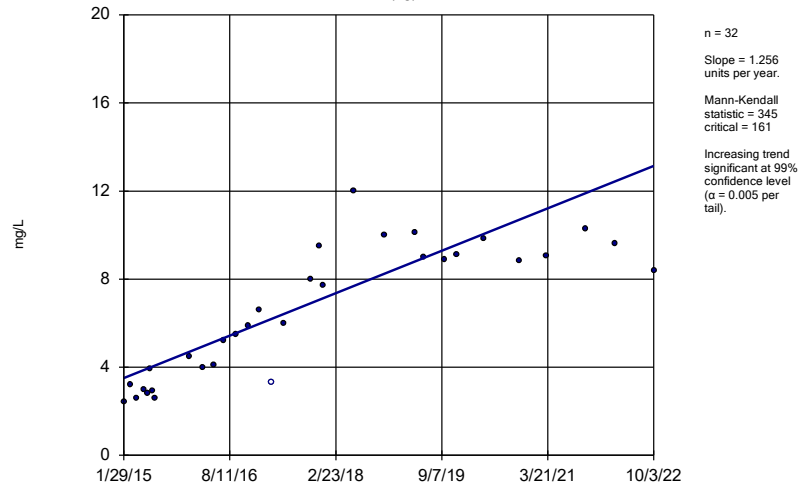
Sen's Slope Estimator

MW-3



Sen's Slope Estimator

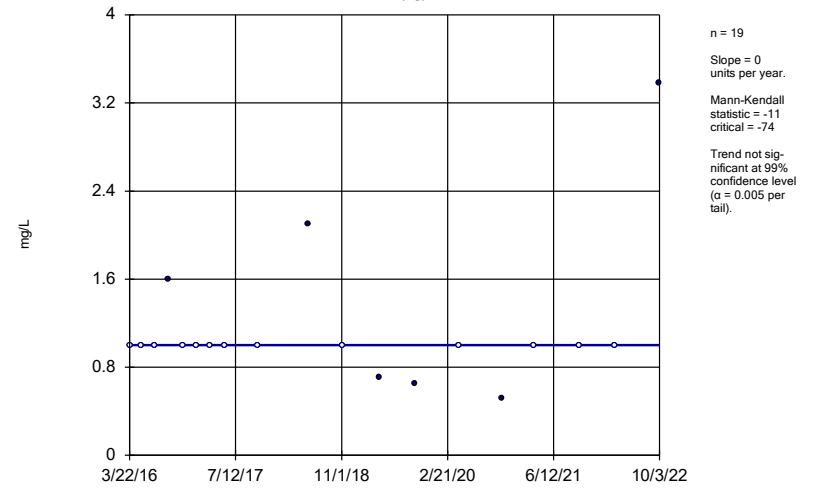
MW-1 (bg)



Constituent: Sulfate Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

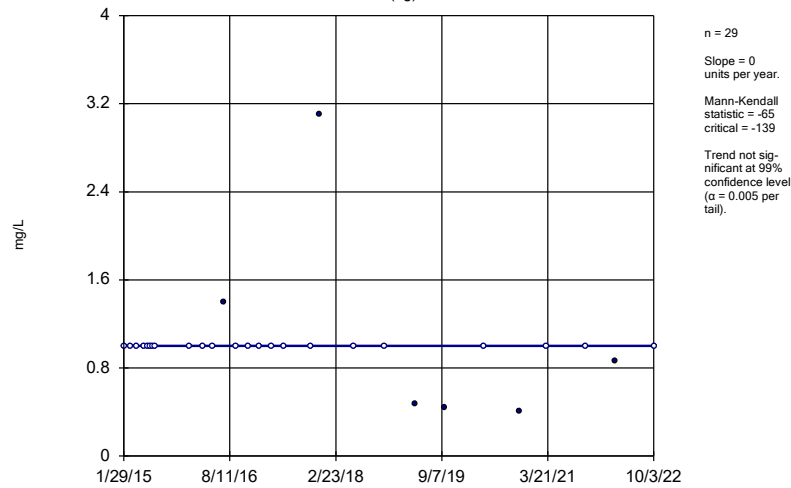
MW-10 (bg)



Constituent: Sulfate Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

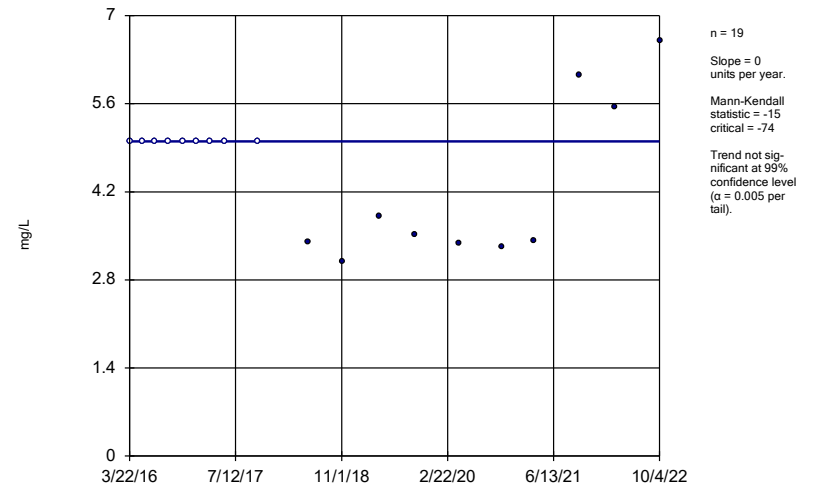
MW-2 (bg)



Constituent: Sulfate Analysis Run 12/17/2022 8:51 AM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

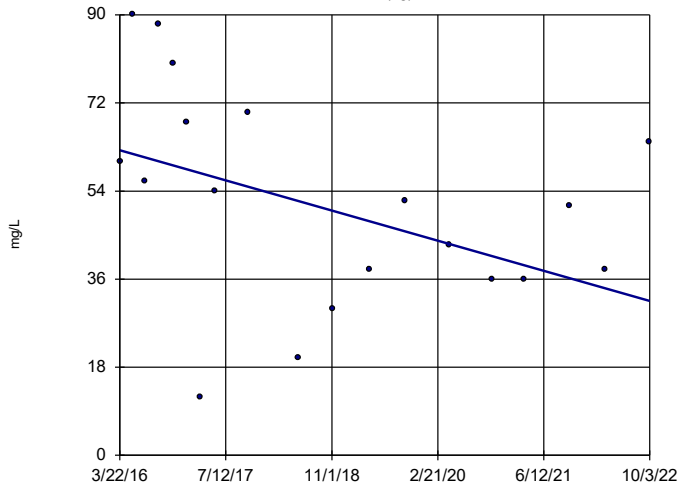
MW-5



Constituent: Sulfate Analysis Run 12/17/2022 8:52 AM View: Appendix III - Trend Tests
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Sen's Slope Estimator

MW-1 (bg)



Upper Tolerance Limits

Upper Tolerance Limit Summary Table

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 9:12 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	0.002	n/a	n/a	n/a	n/a 42	n/a	n/a	92.86	n/a	n/a	0.116	NP Inter(NDs)
Arsenic (mg/L)	n/a	0.00628	n/a	n/a	n/a	n/a 45	n/a	n/a	82.22	n/a	n/a	0.09944	NP Inter(NDs)
Barium (mg/L)	n/a	0.22	n/a	n/a	n/a	n/a 65	n/a	n/a	0	n/a	n/a	0.03565	NP Inter(normality)
Beryllium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 45	n/a	n/a	80	n/a	n/a	0.09944	NP Inter(NDs)
Cadmium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 42	n/a	n/a	100	n/a	n/a	0.116	NP Inter(NDs)
Chromium (mg/L)	n/a	0.0073	n/a	n/a	n/a	n/a 62	n/a	n/a	91.94	n/a	n/a	0.04158	NP Inter(NDs)
Cobalt (mg/L)	n/a	0.0044	n/a	n/a	n/a	n/a 45	n/a	n/a	0	n/a	n/a	0.09944	NP Inter(normality)
Combined Radium 226 + 228 (pCi/L)	n/a	3.317	n/a	n/a	n/a	n/a 44	1.004	0.3896	0	None	sqrt(x)	0.05	Inter
Fluoride (mg/L)	n/a	0.1	n/a	n/a	n/a	n/a 60	n/a	n/a	85	n/a	n/a	0.04607	NP Inter(NDs)
Lead (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 45	n/a	n/a	75.56	n/a	n/a	0.09944	NP Inter(NDs)
Lithium (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 42	n/a	n/a	85.71	n/a	n/a	0.116	NP Inter(NDs)
Mercury (mg/L)	n/a	0.00031	n/a	n/a	n/a	n/a 62	n/a	n/a	93.55	n/a	n/a	0.04158	NP Inter(NDs)
Molybdenum (mg/L)	n/a	0.005	n/a	n/a	n/a	n/a 42	n/a	n/a	95.24	n/a	n/a	0.116	NP Inter(NDs)
Selenium (mg/L)	n/a	0.0071	n/a	n/a	n/a	n/a 62	n/a	n/a	82.26	n/a	n/a	0.04158	NP Inter(NDs)
Thallium (mg/L)	n/a	0.001	n/a	n/a	n/a	n/a 42	n/a	n/a	85.71	n/a	n/a	0.116	NP Inter(NDs)

Groundwater Protection Standards

PLANT DANIEL GSA CCR GWPS TABLE				
Constituent Name	MCL	CCR Rule-Specified	Background Limit	GWPS
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		0.22	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		3.32	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

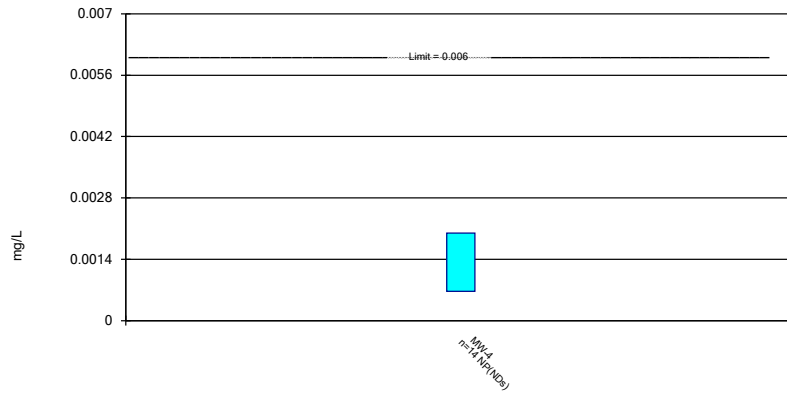
Confidence Intervals - All Results (No Significant)

Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR Printed 12/17/2022, 9:24 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	14	0.001905	0.0003552	92.86	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-3	0.00169	0.001	0.01	No	15	0.001329	0.0007123	73.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	MW-5	0.001	0.000332	0.01	No	15	0.0009555	0.0001725	93.33	None	No	0.01	NP (NDs)
Barium (mg/L)	MW-3	0.129	0.096	2	No	25	0.1154	0.02921	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-4	0.059	0.05074	2	No	25	0.05487	0.008288	0	None	No	0.01	Param.
Barium (mg/L)	MW-5	0.0673	0.0515	2	No	15	0.06227	0.006696	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-6	0.0789	0.0554	2	No	15	0.0694	0.01664	0	None	No	0.01	NP (normality)
Barium (mg/L)	MW-7	0.1846	0.1149	2	No	15	0.1518	0.05384	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	MW-8	0.1174	0.09261	2	No	15	0.105	0.01827	0	None	No	0.01	Param.
Barium (mg/L)	MW-9	0.04509	0.03431	2	No	15	0.0397	0.007947	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-3	0.000486	0.00034	0.004	No	15	0.0004057	0.00009575	53.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-4	0.001	0.000186	0.004	No	15	0.0009457	0.0002102	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-5	0.001	0.000191	0.004	No	15	0.0009461	0.0002089	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-6	0.001	0.000303	0.004	No	15	0.0009535	0.00018	93.33	None	No	0.01	NP (NDs)
Beryllium (mg/L)	MW-7	0.0004327	0.0003208	0.004	No	15	0.0003767	0.00008253	0	None	No	0.01	Param.
Beryllium (mg/L)	MW-8	0.001	0.00034	0.004	No	15	0.0007302	0.0003441	60	None	No	0.01	NP (NDs)
Cadmium (mg/L)	MW-5	0.0022	0.000233	0.005	No	14	0.001031	0.0003937	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-3	0.0021	0.002	0.1	No	24	0.0021	0.000469	91.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-4	0.0041	0.002	0.1	No	24	0.002088	0.0004287	95.83	None	No	0.01	NP (NDs)
Chromium (mg/L)	MW-9	0.0024	0.002	0.1	No	14	0.002029	0.0001069	92.86	None	No	0.01	NP (NDs)
Cobalt (mg/L)	MW-3	0.00328	0.0016	0.006	No	15	0.002335	0.000785	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-4	0.001666	0.001286	0.006	No	15	0.001476	0.0002806	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-5	0.00137	0.00088	0.006	No	15	0.001121	0.0003616	0	None	No	0.01	NP (normality)
Cobalt (mg/L)	MW-6	0.002697	0.001881	0.006	No	15	0.002289	0.000602	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-7	0.002566	0.00169	0.006	No	15	0.002128	0.0006468	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-8	0.001606	0.001197	0.006	No	15	0.001402	0.0003016	0	None	No	0.01	Param.
Cobalt (mg/L)	MW-9	0.001204	0.0009787	0.006	No	15	0.001083	0.000181	0	None	x^2	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-3	3.459	2.043	5	No	15	2.751	1.045	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-4	1.299	0.8649	5	No	15	1.082	0.32	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-5	1.506	1.034	5	No	15	1.27	0.3484	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-6	1.356	0.9376	5	No	15	1.147	0.3089	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-7	3.569	1.787	5	No	15	2.757	1.477	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-8	2.269	1.76	5	No	15	2.015	0.3751	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	MW-9	0.9421	0.6343	5	No	15	0.7882	0.2271	0	None	No	0.01	Param.
Fluoride (mg/L)	MW-3	0.108	0.04	4	No	22	0.09471	0.07972	9.091	None	No	0.01	NP (normality)
Fluoride (mg/L)	MW-6	0.1	0.05	4	No	20	0.09036	0.02389	85	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-7	0.1	0.04	4	No	20	0.07858	0.03058	65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-8	0.1	0.0458	4	No	20	0.09368	0.01969	90	None	No	0.01	NP (NDs)
Fluoride (mg/L)	MW-9	0.1	0.0313	4	No	20	0.09657	0.01536	95	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-3	0.0009043	0.0004706	0.015	No	15	0.0007126	0.0003452	6.667	None	x^(1/3)	0.01	Param.
Lead (mg/L)	MW-4	0.001	0.000224	0.015	No	15	0.0008385	0.0003346	80	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-5	0.001	0.000592	0.015	No	15	0.0009163	0.0002359	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-7	0.001	0.00017	0.015	No	15	0.0007369	0.0003883	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-8	0.001	0.000147	0.015	No	15	0.000885	0.0003035	86.67	None	No	0.01	NP (NDs)
Lead (mg/L)	MW-9	0.001	0.000215	0.015	No	15	0.0008363	0.0003391	80	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-3	0.005	0.00168	0.04	No	14	0.004509	0.001248	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-4	0.005	0.00206	0.04	No	14	0.004579	0.001069	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-5	0.005	0.00142	0.04	No	14	0.004486	0.001307	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-6	0.005	0.00191	0.04	No	14	0.004521	0.001221	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-7	0.005	0.00192	0.04	No	14	0.004551	0.001142	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-8	0.005	0.00105	0.04	No	14	0.004429	0.001451	85.71	None	No	0.01	NP (NDs)
Lithium (mg/L)	MW-9	0.005	0.0011	0.04	No	14	0.00444	0.001424	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-3	0.0002	0.00012	0.002	No	24	0.0001872	0.00003504	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-4	0.00022	0.00012	0.002	No	24	0.0001928	0.00002822	87.5	None	No	0.01	NP (NDs)
Mercury (mg/L)	MW-6	0.00143	0.0002	0.002	No	14	0.0002879	0.0003287	92.86	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	MW-8	0.005	0.00192	0.1	No	14	0.00478	0.0008232	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-3	0.0056	0.005	0.05	No	24	0.005075	0.0002691	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-4	0.005	0.0044	0.05	No	24	0.004975	0.0001225	95.83	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-5	0.005	0.0003	0.05	No	14	0.004664	0.001256	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	MW-9	0.005	0.0004	0.05	No	14	0.004336	0.001687	85.71	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-3	0.001	0.000269	0.002	No	14	0.0009478	0.0001954	92.86	None	No	0.01	NP (NDs)
Thallium (mg/L)	MW-5	0.001	0.000231	0.002	No	14	0.0009451	0.0002055	92.86	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

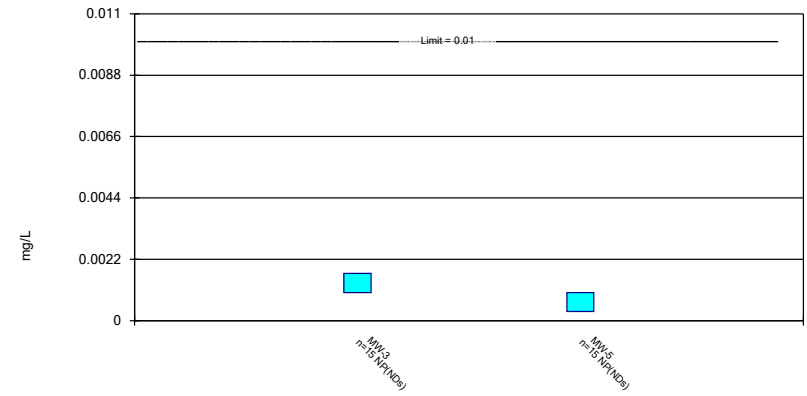
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Antimony Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

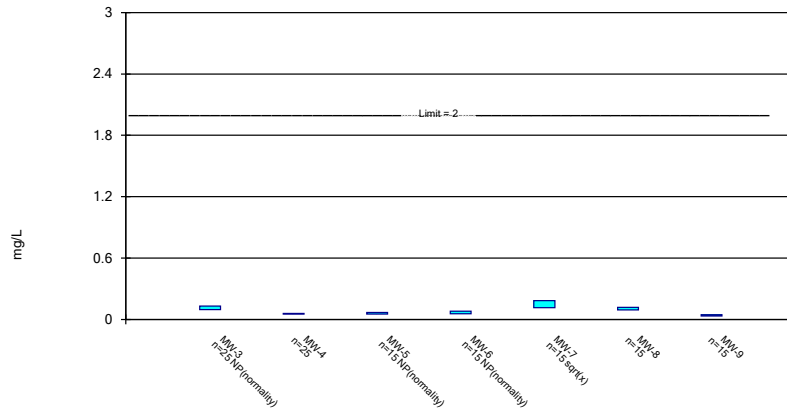
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Arsenic Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

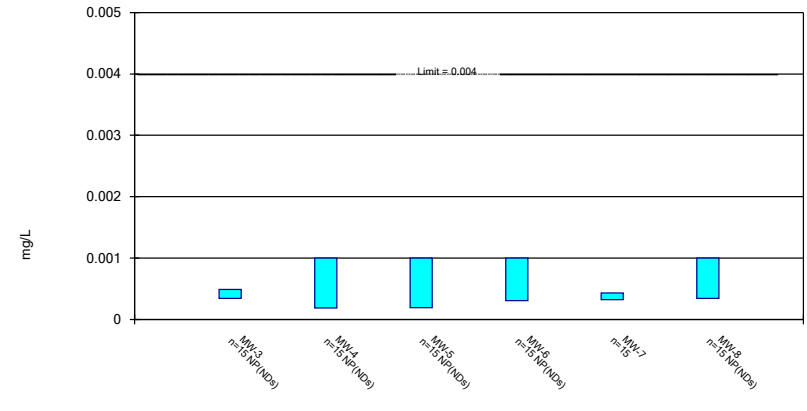
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

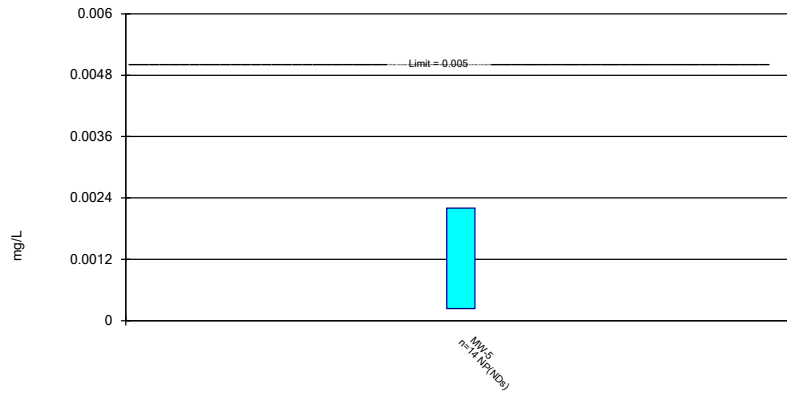
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Beryllium Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

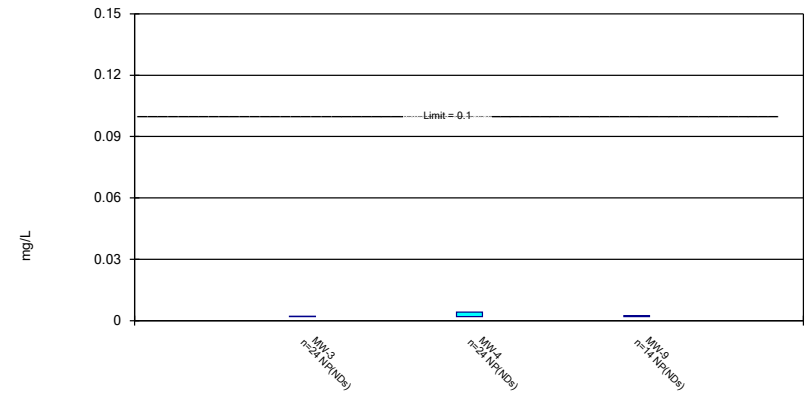
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cadmium Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

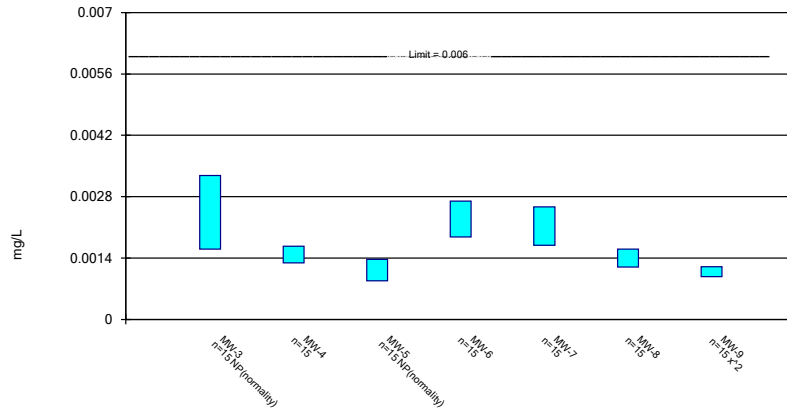
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

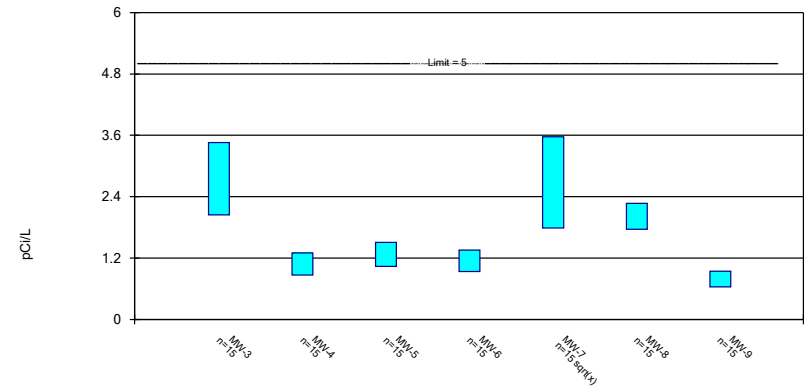
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric Confidence Interval

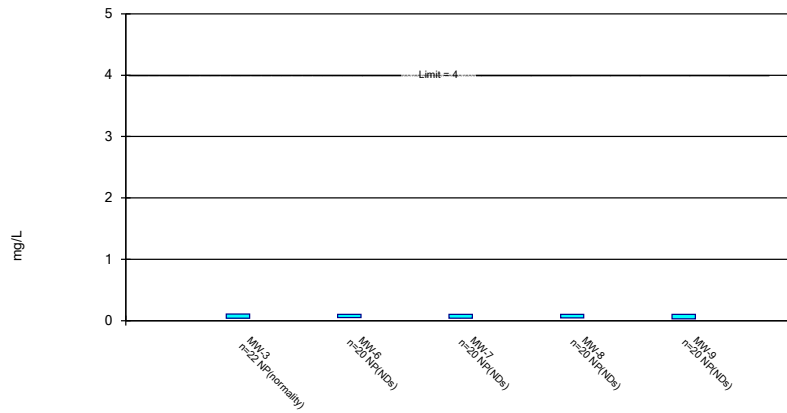
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

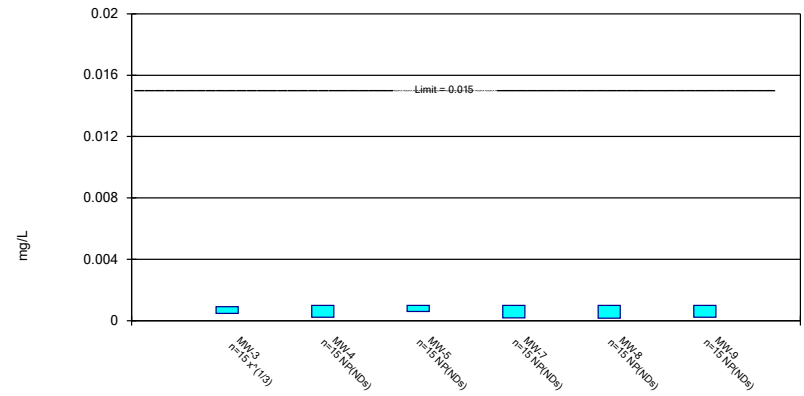
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Parametric and Non-Parametric (NP) Confidence Interval

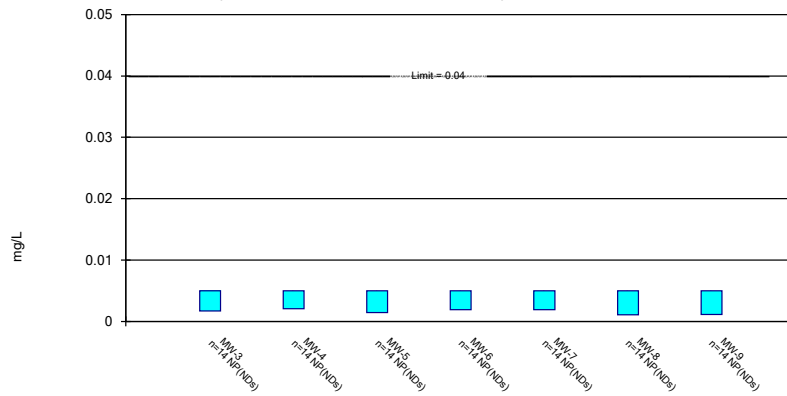
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

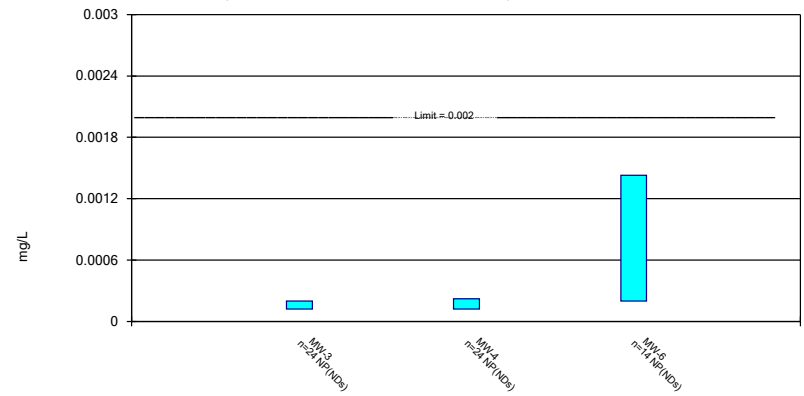
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

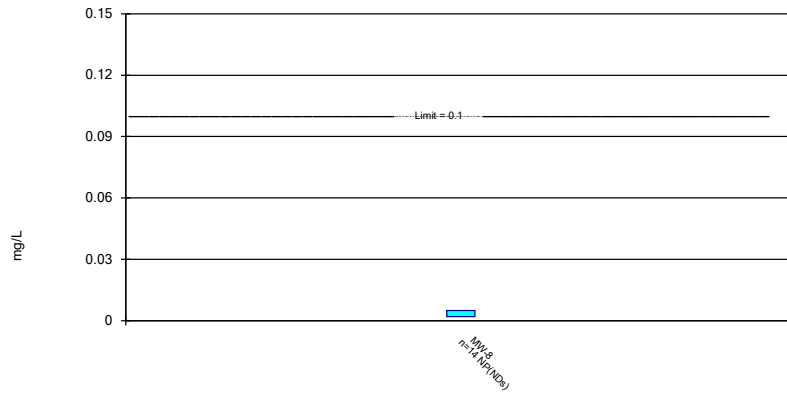
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

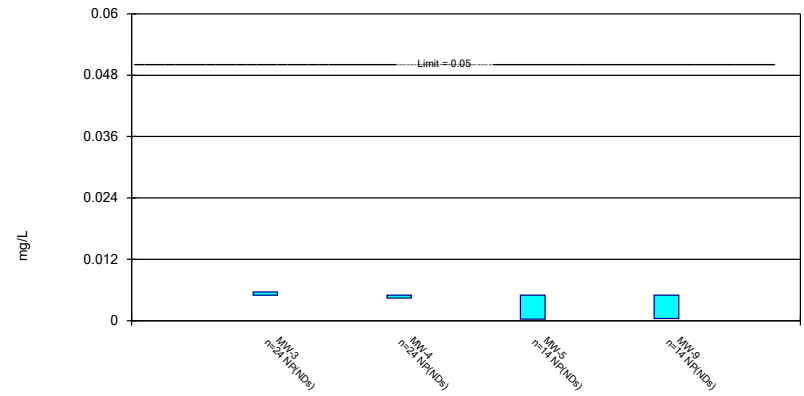
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Molybdenum Analysis Run 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Non-Parametric Confidence Interval

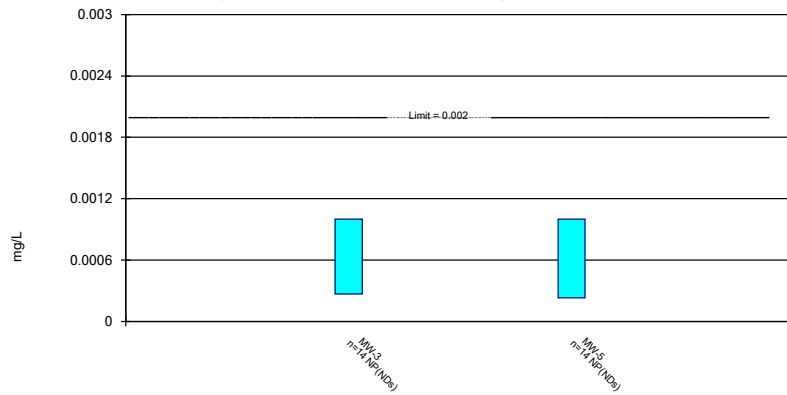
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 12/17/2022 9:19 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 12/17/2022 9:19 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 12/17/2022 9:24 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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)
Mean	0.001905
Std. Dev.	0.0003552
Upper Lim.	0.002
Lower Lim.	0.000671

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 12/17/2022 9:24 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
Mean	0.001329	0.0009555
Std. Dev.	0.0007123	0.0001725
Upper Lim.	0.00169	0.001
Lower Lim.	0.001	0.000332

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 12/17/2022 9:24 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			
Mean	0.1154	0.05487	0.06227	0.0694	0.1518	0.105	0.0397
Std. Dev.	0.02921	0.008288	0.006696	0.01664	0.05384	0.01827	0.007947
Upper Lim.	0.129	0.059	0.0673	0.0789	0.1846	0.1174	0.04509
Lower Lim.	0.096	0.05074	0.0515	0.0554	0.1149	0.09261	0.03431

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 12/17/2022 9:24 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		
Mean	0.0004057	0.0009457	0.0009461	0.0009535	0.0003767	0.0007302
Std. Dev.	9.575E-05	0.0002102	0.0002089	0.00018	8.253E-05	0.0003441
Upper Lim.	0.000486	0.001	0.001	0.001	0.0004327	0.001
Lower Lim.	0.00034	0.000186	0.000191	0.000303	0.0003208	0.00034

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 12/17/2022 9:24 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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
Mean	0.001031
Std. Dev.	0.0003937
Upper Lim.	0.0022
Lower Lim.	0.000233

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 12/17/2022 9:24 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	
Mean	0.0021	0.002088	0.002029
Std. Dev.	0.000469	0.0004287	0.0001069
Upper Lim.	0.0021	0.0041	0.0024
Lower Lim.	0.002	0.002	0.002

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 12/17/2022 9:24 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			
Mean	0.002335	0.001476	0.001121	0.002289	0.002128	0.001402	0.001083
Std. Dev.	0.000785	0.0002806	0.0003616	0.000602	0.0006468	0.0003016	0.000181
Upper Lim.	0.00328	0.001666	0.00137	0.002697	0.002566	0.001606	0.001204
Lower Lim.	0.0016	0.001286	0.00088	0.001881	0.00169	0.001197	0.0009787

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 12/17/2022 9:24 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			
Mean	2.751	1.082	1.27	1.147	2.757	2.015	0.7882
Std. Dev.	1.045	0.32	0.3484	0.3089	1.477	0.3751	0.2271
Upper Lim.	3.459	1.299	1.506	1.356	3.569	2.269	0.9421
Lower Lim.	2.043	0.8649	1.034	0.9376	1.787	1.76	0.6343

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 12/17/2022 9:24 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			
Mean	0.09471	0.09036	0.07858	0.09368	0.09657
Std. Dev.	0.07972	0.02389	0.03058	0.01969	0.01536
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 12/17/2022 9:24 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			
Mean	0.0007126	0.0008385	0.0009163	0.0007369	0.000885	0.0008363
Std. Dev.	0.0003452	0.0003346	0.0002359	0.0003883	0.0003035	0.0003391
Upper Lim.	0.0009043	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0004706	0.000224	0.000592	0.00017	0.000147	0.000215

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 12/17/2022 9:24 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)			
Mean	0.004509	0.004579	0.004486	0.004521	0.004551	0.004429	0.00444
Std. Dev.	0.001248	0.001069	0.001307	0.001221	0.001142	0.001451	0.001424
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00168	0.00206	0.00142	0.00191	0.00192	0.00105	0.0011

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 12/17/2022 9:24 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
Mean	0.0001872	0.0001928	0.0002879
Std. Dev.	3.504E-05	2.822E-05	0.0003287
Upper Lim.	0.0002	0.00022	0.00143
Lower Lim.	0.00012	0.00012	0.0002

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 12/17/2022 9:24 AM View: Confidence Intervals
Plant Daniel Client: Southern Company Data: Plant Daniel Gypsum CCR

	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
Mean	0.00478
Std. Dev.	0.0008232
Upper Lim.	0.005
Lower Lim.	0.00192

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 12/17/2022 9:24 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	
Mean	0.005075	0.004975	0.004664	0.004336
Std. Dev.	0.0002691	0.0001225	0.001256	0.001687
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 12/17/2022 9:24 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
Mean	0.0009478	0.0009451
Std. Dev.	0.0001954	0.0002055
Upper Lim.	0.001	0.001
Lower Lim.	0.000269	0.000231